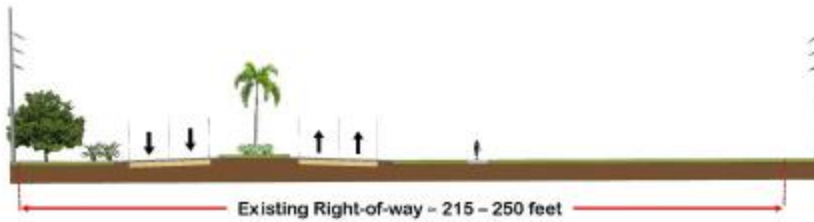


APPENDIX A
Proposed Typical Sections

North Alignment with Ramps



Noise walls are currently being evaluated and are shown for illustration purposes only.






APPENDIX B
Conceptual Plans

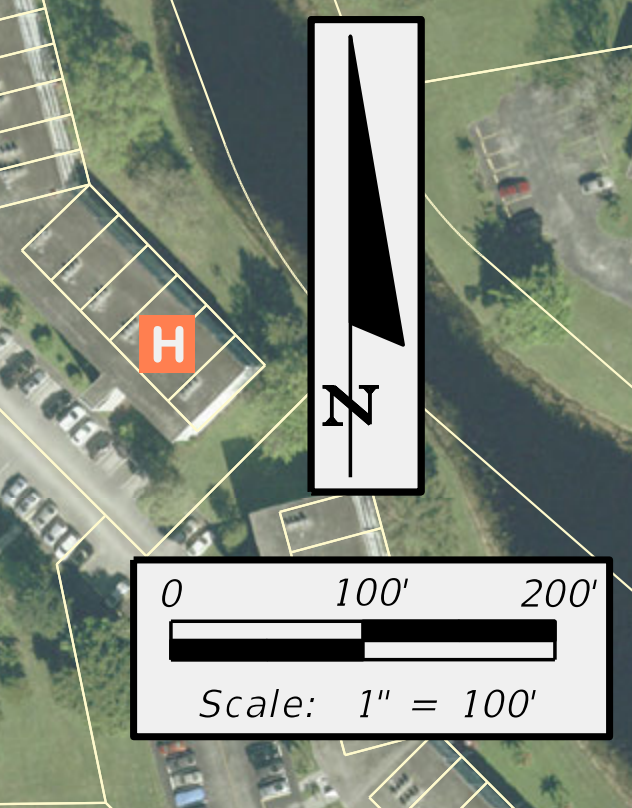


State Road 869 / SW 10th Street Connector PD&E Study
 from Florida's Turnpike / Sawgrass Expressway to I-95
 Broward County, Florida




LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING PARCEL LINES
- LIMITED ACCESS RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED DEPRESSED MANAGED LANES
- PROPOSED LOCAL SW 10TH ST
- PROPOSED 2ND LEVEL BRIDGE
- PROPOSED 3RD LEVEL BRIDGE
- PROPOSED 4TH LEVEL BRIDGE
-  PROPOSED TRAFFIC SIGNAL

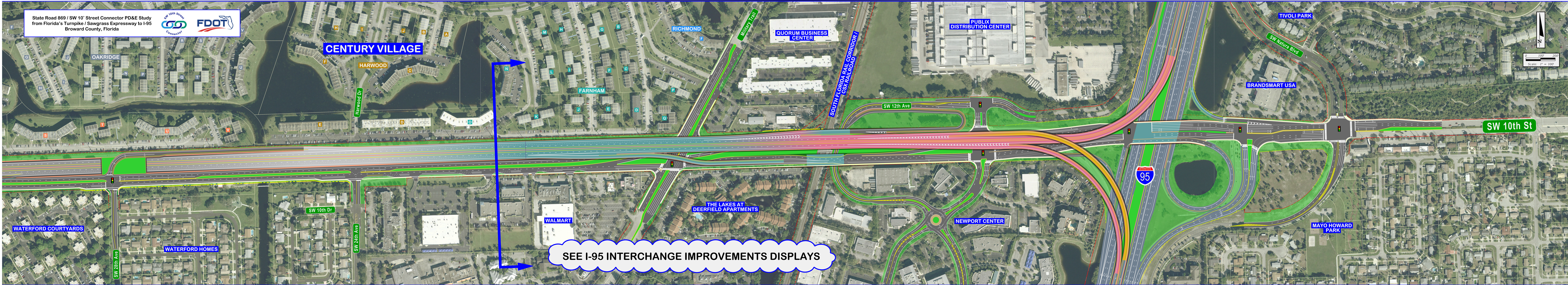


LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING PARCEL LINES
- LIMITED ACCESS RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED DEPRESSED MANAGED LANES
- PROPOSED LOCAL SW 10TH ST
- PROPOSED 2ND LEVEL BRIDGE
- PROPOSED 3RD LEVEL BRIDGE
- PROPOSED 4TH LEVEL BRIDGE
-  PROPOSED TRAFFIC SIGNAL

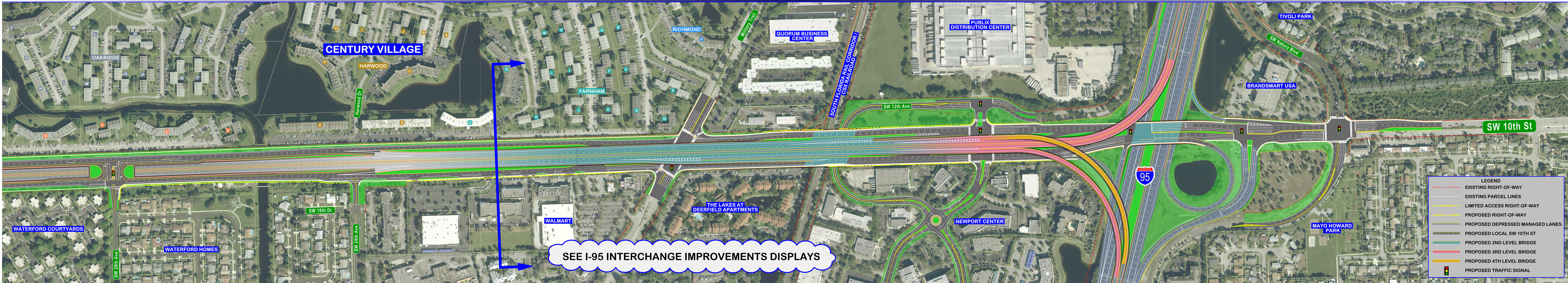
North Alignment Alternative

State Road 869 / SW 10th Street Connector PD&E Study
from Florida's Turnpike / Sawgrass Expressway to I-95
Broward County, Florida



SEE I-95 INTERCHANGE IMPROVEMENTS DISPLAYS

Center Alignment Alternative



SEE I-95 INTERCHANGE IMPROVEMENTS DISPLAYS

LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PARCEL LINES
	LIMITED ACCESS RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	PROPOSED DEPRESSED MANAGED LANES
	PROPOSED LOCAL SW 10TH ST
	PROPOSED 2ND LEVEL BRIDGE
	PROPOSED 3RD LEVEL BRIDGE
	PROPOSED 4TH LEVEL BRIDGE
	PROPOSED TRAFFIC SIGNAL

APPENDIX C

GeoSearch Reports – Radius Map, Aerials, Topographic Maps, City Directories,
Water Well Broward County Wellfield Map

Radius Report

[Satellite view](#)

Target Property:

SW 10th Street

**SW 10th Street between Military Trail and Florida Turnpike
Deerfield Beach, Palm Beach County, Florida 33442**

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 108386

Job #: 237814

Project #: 140504000

PO #: 140504000

Date: 05/16/2018

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<i>Unlocatable Report</i>	See Attachment
<i>Zip Report</i>	See Attachment

Disclaimer

This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR §312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal, state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR §312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

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Target Property Summary

Target Property Information

SW 10th Street

SW 10th Street between Military Trail and Florida Turnpike

Deerfield Beach, Florida 33442

Coordinates

Corridor

USGS Quadrangle

West Dixie Bend, FL

Geographic Coverage Information

County/Parish: Broward (FL)

ZipCode(s):

Pompano Beach FL: 33064, 33073

Deerfield Beach FL: 33441, 33442

Radon

* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

Database Summary

FEDERAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSFL	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	TP/AP
RCRA SITES WITH CONTROLS	RCRASC	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	RCRAGR04	8	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	RCRANGR04	5	0	0.1250
FEMA OWNED STORAGE TANKS	FEMAUST	0	0	0.2500
BROWNFIELDS MANAGEMENT SYSTEM	BF	1	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	SEMS	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	SEMSARCH	0	0	0.5000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	RCRASUBC	0	0	1.0000
SUB-TOTAL		14	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	BRS	0	0	TP/AP
CERCLIS LIENS	SFLIENS	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	TP/AP
EPA DOCKET DATA	DOCKETS	0	0	TP/AP
ENFORCEMENT AND COMPLIANCE HISTORY INFORMATION	ECHOR04	2	0	TP/AP

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
FACILITY REGISTRY SYSTEM	FRSFL	2	0	TP/AP
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR04	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	2	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDESR04	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	PCSR04	0	0	TP/AP
SEMS LIEN ON PROPERTY	SEMCLIENS	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	TP/AP
TOXICS RELEASE INVENTORY	TRI	0	0	TP/AP
ALTERNATIVE FUELING STATIONS	ALTFUELS	0	0	0.2500
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	ICISCLEANERS	0	0	0.2500
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	MSHA	0	0	0.2500
MINERAL RESOURCE DATA SYSTEM	MRDS	1	0	0.2500
OPEN DUMP INVENTORY	ODI	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	SMCRA	0	0	0.5000
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	USUMTRCA	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMER MILITARY NIKE MISSILE SITES	NMS	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.0000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	FUSRAP	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000
SUB-TOTAL		7	0	

Database Summary

STATE (FL) LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
ENGINEERING AND INSTITUTIONAL CONTROL SITES	ICEC	0	0	TP/AP
ABOVEGROUND STORAGE TANKS	AST	7	0	0.2500
UNDERGROUND STORAGE TANKS	UST	8	0	0.2500
BROWNFIELD AREAS	BF	1	0	0.5000
BROWNFIELDS SITE REHABILITATION AGREEMENT SITES	BSRA	0	0	0.5000
REGISTERED LEAKING STORAGE TANKS	LUAST	12	0	0.5000
SOLID WASTE FACILITIES	SWF	4	0	0.5000
VOLUNTARY CLEANUP SITES	VCS	0	0	0.5000
STATE HAZARDOUS WASTE SITES	SHWS	0	0	1.0000
SUB-TOTAL		32	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION CLEANUP SITES	DEPCLEANUP	0	0	TP/AP
GROUND WATER CONTAMINATION AREAS	GWCA	0	0	TP/AP
SPILLS LISTING	SPILLS	0	0	TP/AP
UNDERGROUND INJECTION CONTROL WELLS	UIC	0	0	TP/AP
CATTLE DIP VATS	CDV	0	0	0.1250
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM FACILITIES	NPDES	9	0	0.1250
DRY CLEANERS	CLEANERS	3	0	0.2500
HISTORICAL DRY CLEANERS	HISTCLEANERS	3	0	0.2500
DRYCLEANING SOLVENT PROGRAM CLEANUP SITES	CLEANUPS	2	0	0.5000
SUB-TOTAL		17	0	

Database Summary

LOCAL LISTING

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
BROWARD COUNTY HAZARDOUS MATERIAL SITES	BCHM	0	0	TP/AP
BROWARD COUNTY NOTICE OF VIOLATIONS	BCNOV	0	0	TP/AP
BROWARD COUNTY STORAGE TANKS	BCST	12	0	0.2500
BROWARD COUNTY CONTAMINATED SITES	BCBF	12	0	0.5000
BROWARD COUNTY SOLID WASTE LANDFILLS	BCSWF	1	0	0.5000
SUB-TOTAL		25	0	

Database Summary

TRIBAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR04	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR04	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
SUB-TOTAL		0	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	
TOTAL		95	0	

Database Radius Summary

FEDERAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
EC	0.0200	0	NS	NS	NS	NS	NS	0
ECHOR04	0.0200	2	NS	NS	NS	NS	NS	2
ERNSFL	0.0200	0	NS	NS	NS	NS	NS	0
FRSFL	0.0200	2	NS	NS	NS	NS	NS	2
HMIRSR04	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	0.0200	2	NS	NS	NS	NS	NS	2
LUCIS	0.0200	0	NS	NS	NS	NS	NS	0
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES04	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR04	0.0200	0	NS	NS	NS	NS	NS	0
RCRASC	0.0200	0	NS	NS	NS	NS	NS	0
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
RCRAGR04	0.1250	0	8	NS	NS	NS	NS	8
RCRANGR04	0.1250	0	5	NS	NS	NS	NS	5
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
HISTPST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
MRDS	0.2500	0	1	0	NS	NS	NS	1
MSHA	0.2500	0	0	0	NS	NS	NS	0
BF	0.5000	0	0	1	0	NS	NS	1
DNPL	0.5000	0	0	0	0	NS	NS	0
NLRRCRAT	0.5000	0	0	0	0	NS	NS	0
ODI	0.5000	0	0	0	0	NS	NS	0
RCRAT	0.5000	0	0	0	0	NS	NS	0

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
SEMS	0.5000	0	0	0	0	NS	NS	0
SEMSARCH	0.5000	0	0	0	0	NS	NS	0
SMCRA	0.5000	0	0	0	0	NS	NS	0
USUMTRCA	0.5000	0	0	0	0	NS	NS	0
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	0	NS	0
FUSRAP	1.0000	0	0	0	0	0	NS	0
NLRRCRAC	1.0000	0	0	0	0	0	NS	0
NMS	1.0000	0	0	0	0	0	NS	0
NPL	1.0000	0	0	0	0	0	NS	0
PNPL	1.0000	0	0	0	0	0	NS	0
RCRAC	1.0000	0	0	0	0	0	NS	0
RCRASUBC	1.0000	0	0	0	0	0	NS	0
RODS	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		6	14	1	0	0	0	21

Database Radius Summary

STATE (FL) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
DEPCLEANUP	0.0200	0	NS	NS	NS	NS	NS	0
GWCA	0.0200	0	NS	NS	NS	NS	NS	0
ICEC	0.0200	0	NS	NS	NS	NS	NS	0
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
UIC	0.0200	0	NS	NS	NS	NS	NS	0
CDV	0.1250	0	0	NS	NS	NS	NS	0
NPDES	0.1250	2	7	NS	NS	NS	NS	9
AST	0.2500	0	2	5	NS	NS	NS	7
CLEANERS	0.2500	0	0	3	NS	NS	NS	3
HISTCLEANERS	0.2500	0	1	2	NS	NS	NS	3
UST	0.2500	0	4	4	NS	NS	NS	8
BF	0.5000	0	1	0	0	NS	NS	1
BSRA	0.5000	0	0	0	0	NS	NS	0
CLEANUPS	0.5000	0	0	2	0	NS	NS	2
LUAST	0.5000	0	1	5	6	NS	NS	12
SWF	0.5000	0	2	1	1	NS	NS	4
VCS	0.5000	0	0	0	0	NS	NS	0
SHWS	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		2	18	22	7	0	0	49

Database Radius Summary

LOCAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
BCHM	0.0200	0	NS	NS	NS	NS	NS	0
BCNOV	0.0200	0	NS	NS	NS	NS	NS	0
BCST	0.2500	0	3	9	NS	NS	NS	12
BCBF	0.5000	0	1	5	6	NS	NS	12
BCSWF	0.5000	0	0	0	1	NS	NS	1
SUB-TOTAL		0	4	14	7	0	0	25

Database Radius Summary

TRIBAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
USTR04	0.2500	0	0	0	NS	NS	NS	0
LUSTR04	0.5000	0	0	0	0	NS	NS	0
ODINDIAN	0.5000	0	0	0	0	NS	NS	0
INDIANRES	1.0000	0	0	0	0	0	NS	0

SUB-TOTAL		0	0	0	0	0	0	0
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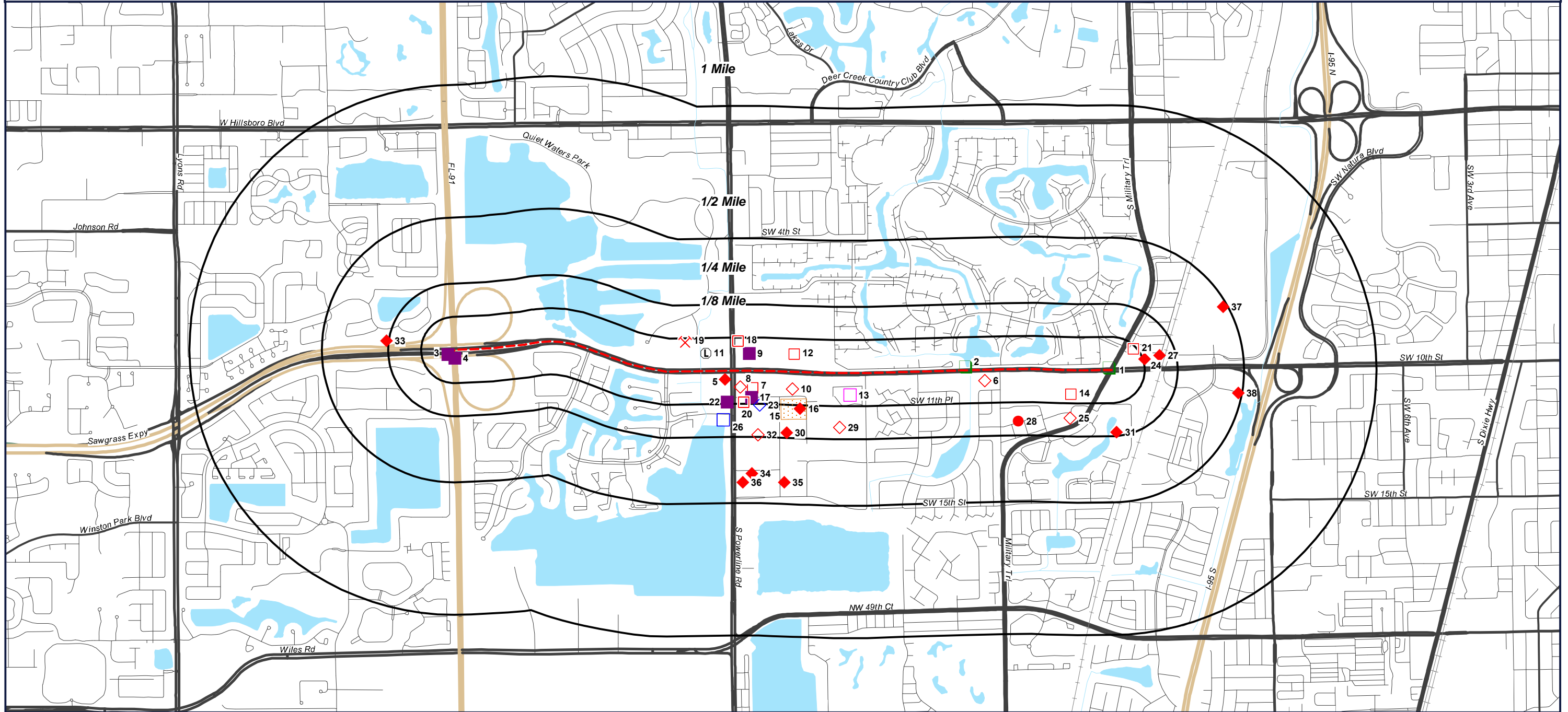
TOTAL		8	36	37	14	0	0	95
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NOTES:

NS = NOT SEARCHED

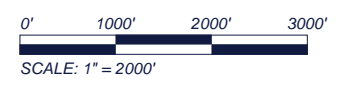
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

RADIUS MAP

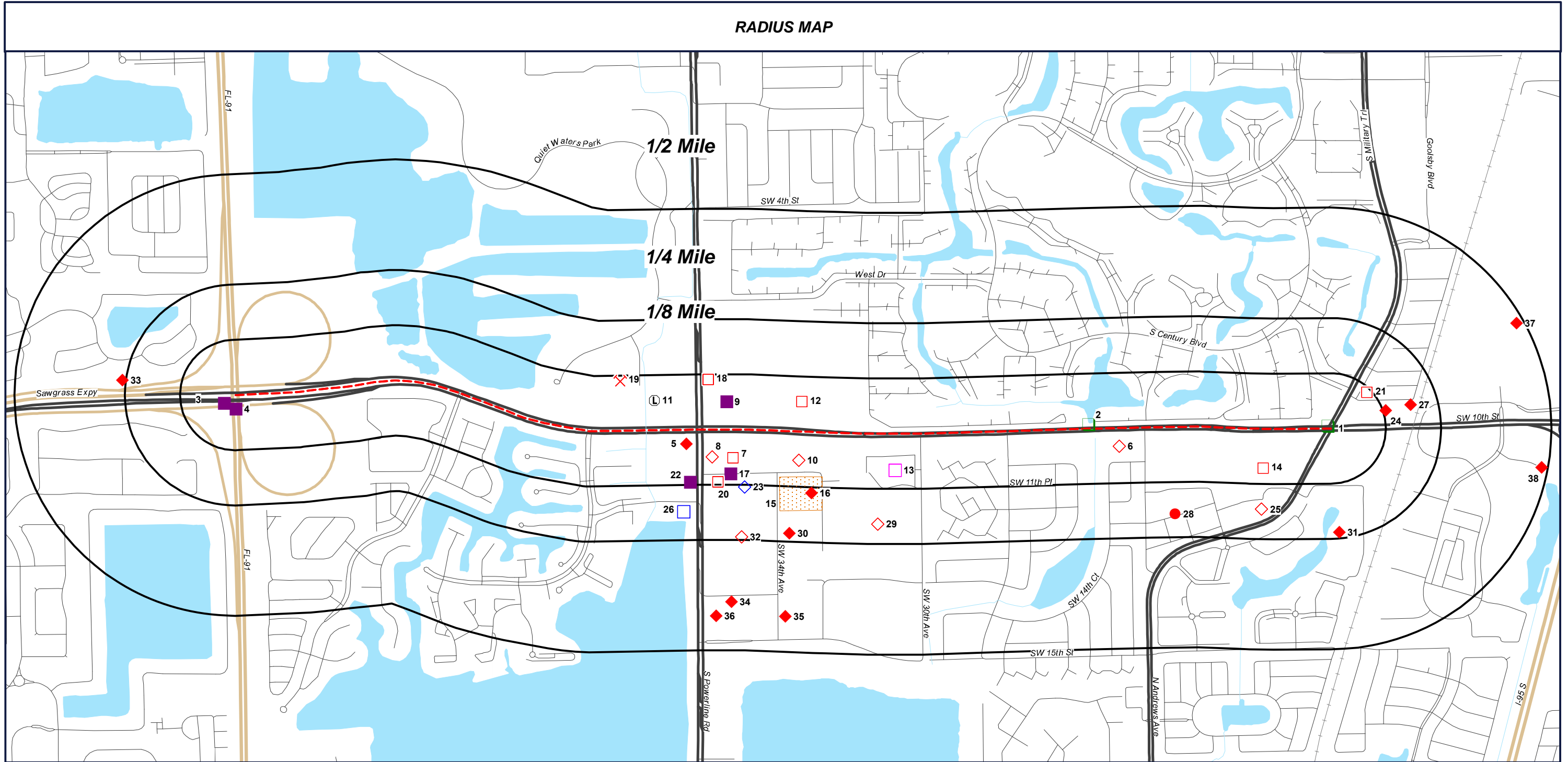


SW 10th Street
 SW 10th Street between
 Military Trail and Florida
 Turnpike
 Deerfield Beach, Florida
 33442

- - - Target Property (TP)
- FRSFL
- NPDES
- ◆ LUAST
- ◇ AST
- RCRAGR04
- ◇ UST
- SWF
- RCRANGR04
- BF
- ✕ MRDS
- CLEANERS
- BCBF

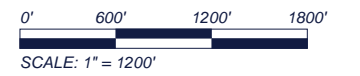


RADIUS MAP



**SW 10th Street
SW 10th Street between
Military Trail and Florida
Turnpike
Deerfield Beach, Florida
33442**

- - - Target Property (TP)
- FRSFL
- NPDES
- ◆ LUAST
- ◇ AST
- RCRA04
- ◇ UST
- L SWF
- RCRA04
- BF
- ✕ MRDS
- CLEANERS
- BCBF



ORTHOPHOTO MAP



- Target Property (TP)
- FRSFL
- NPDES
- ◆ LUAST
- AST
- RCRAGR04
- UST
- SWF
- RCRANGR04
- BF
- ✕ MRDS
- CLEANERS
- BCBF

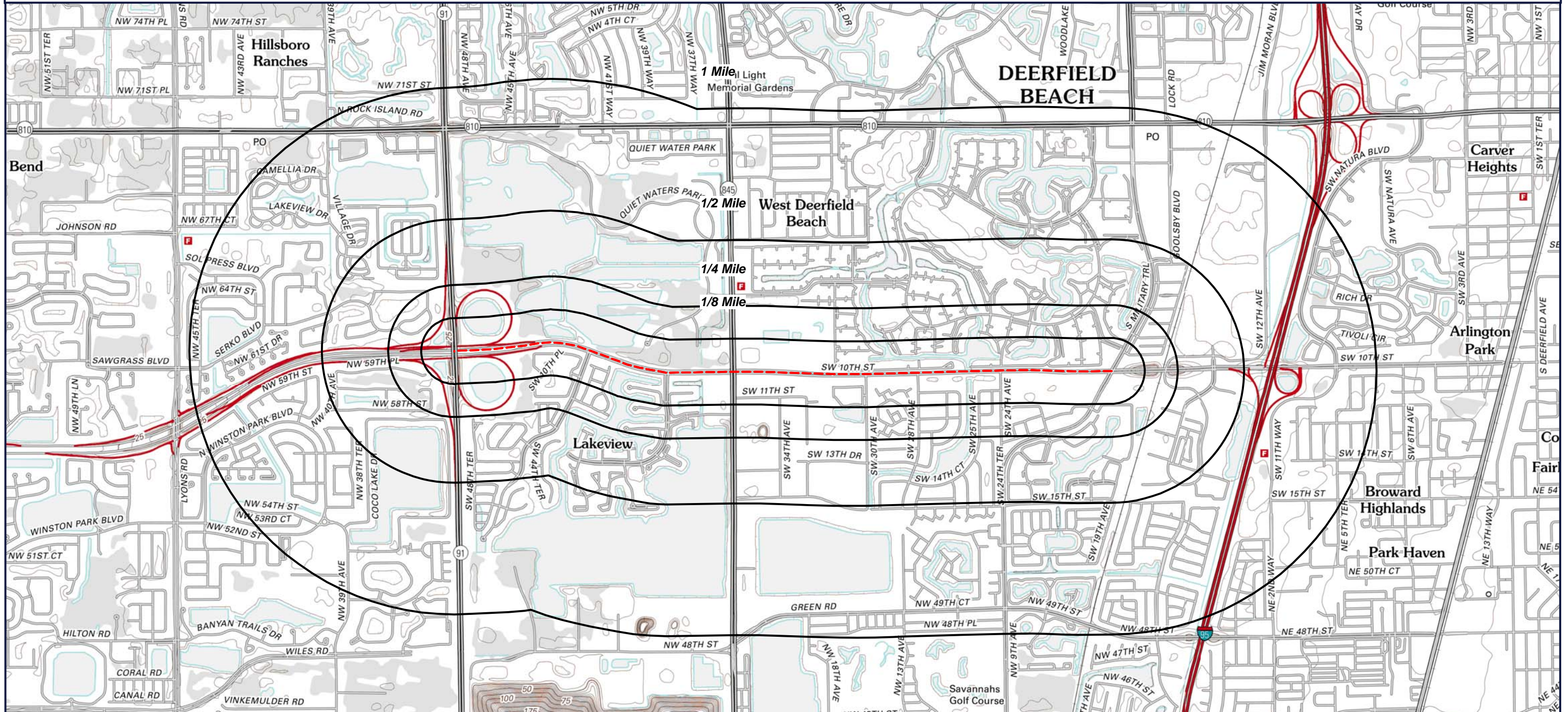
**Quadrangle(s): West Dixie Bend
SW 10th Street
SW 10th Street between
Military Trail and Florida
Turnpike
Deerfield Beach, Florida
33442**



0' 600' 1200' 1800'
SCALE: 1" = 1200'

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TOPOGRAPHIC MAP



Target Property (TP)

Quadrangle(s): West Dixie Bend
Source: USGS, 07/18/2012
SW 10th Street
SW 10th Street between
Military Trail and Florida
Turnpike
Deerfield Beach, Florida
33442



0' 1000' 2000' 3000'
SCALE: 1" = 2000'

Located Sites Summary

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
1	ECHOR04	110056996684	0.001 mi. S (5 ft.)	DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN	MILITARY TRL & SW 10TH ST, DEERFIELD BEACH, FL 33442	21
1	FRSFL	110056996684	0.001 mi. S (5 ft.)	DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN	MILITARY TRL & SW 10TH ST, DEERFIELD BEACH, FL 33442	22
1	ICISNPDES	FLR10IF87INPD ES	0.001 mi. S (5 ft.)	DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN	MILITARY TRL & SW 10TH ST, DEERFIELD BEACH, FL 33442	23
1	NPDES	FLR10IF87	0.001 mi. S (5 ft.)	DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN	MILITARY TRL & SW 10TH ST, DEERFIELD BEACH, FL	25
2	ECHOR04	110046327131	0.003 mi. N (16 ft.)	SR 869 (SW 10 STREET)	UNKNOWN, DEERFIELD BEACH, FL 33442	26
2	FRSFL	110046327131	0.003 mi. N (16 ft.)	SR 869 (SW 10 STREET)	UNKNOWN, DEERFIELD BEACH, FL 33442	27
2	ICISNPDES	FLR10LU90INP DES	0.003 mi. N (16 ft.)	SR 869 (SW 10 STREET)	DEERFIELD BEACH, FL 33442	28
2	NPDES	FLR10LU90	0.006 mi. N (32 ft.)	SR 869 (SW 10 STREET)	DEERFIELD BEACH, FL	30
3	NPDES	FLR20AV28	0.031 mi. SW (164 ft.)	LANTANA FARMS PUD	UNINCORPORATED, FL	31
4	NPDES	FLR10LI06	0.032 mi. S (169 ft.)	TPK MAINLINE MILLING & RESURFACING	COCONUT CREEK, FL 33442	32
5	BCBF	2049BCBF	0.034 mi. S (180 ft.)	FCE #1836	1011 S POWERLINE RD, DEERFIELD BEACH, FL 33442	33
5	BCST	03329BCST	0.034 mi. S (180 ft.)	FCE #1836	1011 S POWERLINE RD, DEERFIELD BEACH, FL 33442	34
5	LUAST	9800891LUAST	0.034 mi. S (180 ft.)	SHELL-FIRST COAST ENERGY #1836	1011 S POWERLINE RD, DEERFIELD BEACH, FL 33442	36
5	UST	9800891UST	0.034 mi. S (180 ft.)	SHELL-FIRST COAST ENERGY #1836	1011 S POWERLINE RD, DEERFIELD BEACH, FL 33442	38
6	AST	9812649AST	0.042 mi. S (222 ft.)	DEERFILED BEACH CITY-WELL FA-2	2450 SW 10TH ST, DEERFIELD BEACH, FL 33442	41
6	BCST	13247BCST	0.042 mi. S (222 ft.)	CITY OF DEERFIELD BEACH, WELL FA-2	2450 SW 10 ST, DEERFIELD BEACH, FL 33442	42
7	RCRAGR04	FLR000076695	0.062 mi. S (327 ft.)	KONICA GRAPHIC IMAGING INTL INC	1072 S POWERLINE RD, DEERFIELD BEACH, FL 33442	43
8	AST	9100756AST	0.063 mi. S (333 ft.)	MED-CARE PHARMACY INC	1052 S POWERLINE RD, DEERFIELD BEACH, FL 33442	44
8	BCST	02169BCST	0.063 mi. S (333 ft.)	DANA MEDICAL PROPERTIES	1052 S POWERLINE RD, DEERFIELD BEACH, FL 33442	45
8	UST	9100756UST	0.063 mi. S (333 ft.)	MED-CARE PHARMACY INC	1052 S POWERLINE RD, DEERFIELD BEACH, FL 33442	46
9	NPDES	FLR10Z523	0.063 mi. N (333 ft.)	DEERFIELD MOC	SW 15TH ST AND FAU BLVD, DEERFIELD BEACH, FL 33441	47
10	UST	8838386UST	0.066 mi. S (348 ft.)	FARMER & IRWIN CORP	3301 SW 11TH ST, DEERFIELD BEACH, FL 33442	48

Located Sites Summary

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
11	NPDES	FLR10JL61	0.067 mi. N (354 ft.)	QUIET WATERS PARK	401 S POWERLINE RD, DEERFIELD BEACH, FL	49
11	SWF	98074	0.067 mi. N (354 ft.)	QUIET WATERS PARK DEBRIS STAGING AREA	401 SOUTH POWERLINE ROAD, DEERFIELD BEACH, FL 33442	50
12	RCRAGR04	FLTMP9103109	0.07 mi. N (370 ft.)	DEVCON	3165 SW 10TH ST, DEERFIELD BEACH, FL 33442	51
13	RCRANGR04	FLD982139628	0.084 mi. S (444 ft.)	RYAN INC EASTERN SHOP	1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442	52
13	RCRANGR04	FLR000033134	0.084 mi. S (444 ft.)	UNITED WHOLESALE	1027 SW 30TH AVE, DEERFIELD BEACH, FL 33442	54
14	HISTCLEANER S	9800676HIST	0.087 mi. S (459 ft.)	BROTHERS DRY CLEANING INC	1141-1145 S MILITARY TRL, DEERFIELD BEACH, FL 33442	55
14	RCRAGR04	FLR000198986	0.087 mi. S (459 ft.)	WAL-MART NEIGHBORHOOD MARKET #3104	1101 S MILITARY TRL, DEERFIELD BEACH, FL 33442	56
14	RCRANGR04	FLR000063537	0.087 mi. S (459 ft.)	ONE PRICE DRY CLEANER	1145 S MILITARY TRL, DEERFIELD BEACH, FL 33442	59
14	SWF	97406	0.087 mi. S (459 ft.)	GLOBAL MEDIA GROUP, INC.	1121 S. MILITARY TRAIL #301, DEERFIELD BEACH, FL 33442	60
15	BF	BF060501000	0.1 mi. S (528 ft.)	TURNER ENVIROLOGIC AREA	BROWARD COUNTY, DEERFIELD BEACH, FL	61
16	BCBF	0762BCBF	0.139 mi. S (734 ft.)	EAST COAST ASPHALT CORPRN	3300 SW 11TH ST, DEERFIELD BEACH, FL 33442	62
16	BCBF	762BCBF	0.139 mi. S (734 ft.)	EAST COAST ASPHALT CORPRN	3300 SW 11TH ST, DEERFIELD BEACH, FL 33442	63
16	BCST	00954BCST	0.139 mi. S (734 ft.)	EAST COAST ASPHALT CORP.	3300 SW 11TH ST, DEERFIELD BEACH, FL 33442	64
16	BF	31481	0.139 mi. S (734 ft.)	FORMER EAST COAST ASPHALT	3300 SW 11TH STREET, DEERFIELD BEACH, FL 33442	65
16	LUAST	8944925LUAST	0.139 mi. S (734 ft.)	EAST COAST ASPHALT CORP	3300 SW 11TH ST, DEERFIELD BEACH, FL 33442	66
17	NPDES	FLR10LF09	0.1 mi. S (528 ft.)	POWERLINE INDUSTRIAL PARK DRAINAGE IMPROVEMENTS	DEERFIELD BEACH, FL 33442	68
18	NPDES	FLRNEE936	0.116 mi. N (612 ft.)	REAGAN WIRELESS	720 S POWERLINE RD STE D STE D, DEERFIELD BEACH, FL	69
18	RCRAGR04	FLR000215046	0.116 mi. N (612 ft.)	JKG GROUP INC	740 S POWERLINE RD, DEERFIELD BEACH, FL 33442	71
18	RCRAGR04	FLT080079486	0.116 mi. N (612 ft.)	DANA CLASSIC FRAGRANCES INC	720 S POWERLINE RD SUITE D, DEERFIELD BEACH, FL 33442	73
18	RCRANGR04	FLR000152777	0.116 mi. N (612 ft.)	DANA CLASSIC FRAGRANCES INC	720 S POWERLINE RD SUITE D, DEERFIELD BEACH, FL 33442	74
18	UST	8732025UST	0.116 mi. N (612 ft.)	KRAFT NURSERY INC	750 S POWERLINE RD, DEERFIELD BEACH, FL 33442	76
19	MRDS	10240603	0.116 mi. N (612 ft.)	DEERFIELD QUARRY	BROWARD COUNTY, DEERFIELD BEACH, FL 33442	77
20	RCRAGR04	FLR000091751	0.116 mi. S (612 ft.)	INTERIOR DESIGN CENTER	1100 S POWERLINE RD, DEERFIELD BEACH, FL 33062	78
21	RCRAGR04	FLTMP8901789	0.118 mi. NE (623 ft.)	ICL CORP	774 S MILITARY TRL, DEERFIELD BEACH, FL 33442	80

Located Sites Summary

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
21	RCRAGR04	FLTMP9304149	0.118 mi. NE (623 ft.)	METPATH	858 S MILITARY TRL, DEERFIELD BEACH, FL 33442	81
21	RCRANGR04	FLD984168575	0.118 mi. NE (623 ft.)	ICL CORP	774 S MILITARY TRL, DEERFIELD BEACH, FL 33442	82
22	NPDES	FLR10BK79	0.12 mi. S (634 ft.)	TOWNSEND SQUARE	1101 S POWERLINE RD, DEERFIELD BEACH, FL 33442	83
23	AST	9401000AST	0.131 mi. S (692 ft.)	MAN-CON INC	3460 SW 11TH ST, DEERFIELD BEACH, FL 33442	84
23	BCST	01022BCST	0.131 mi. S (692 ft.)	MAN-CON, INC.	3460 SW 11TH ST, DEERFIELD BEACH, FL 33442	85
23	SWF	54871	0.131 mi. S (692 ft.)	STAN FREITAG EQUIPMENT RENTAL, INC.	3460 SW 11TH STREET, DEERFIELD BEACH, FL 33442	86
24	BCBF	2768ABCBF	0.131 mi. ENE (692 ft.)	TROLLEY TOURS	998 S MILITARY TRL, DEERFIELD BEACH, FL 33442	87
24	BCST	13642BCST	0.131 mi. ENE (692 ft.)	NANAKS LANDSCAPING	998 S MILITARY TRL, DEERFIELD BEACH, FL 33442	88
24	LUAST	8840464LUAST	0.131 mi. ENE (692 ft.)	CEN-DEER MANAGEMENT INC	998 S MILITARY TRL, DEERFIELD BEACH, FL 33442	89
24	UST	8840464UST	0.131 mi. ENE (692 ft.)	CEN-DEER MANAGEMENT INC	998 S MILITARY TRL, DEERFIELD BEACH, FL 33442	91
25	BCST	03562BCST	0.183 mi. S (966 ft.)	DAYTIME GAS, INC	1201 S MILITARY TRL, DEERFIELD BEACH, FL 33442	92
25	UST	9801655UST	0.183 mi. S (966 ft.)	MILITARY PETROLEUM LLC DBA CHEVRON	1201 S MILITARY TRL, DEERFIELD BEACH, FL 33442	93
26	CLEANERS	9814593	0.186 mi. S (982 ft.)	CACHE CLEANERS	1151 S POWERLINE RD, DEERFIELD BEACH, FL 33442	95
27	AST	8622498AST	0.189 mi. ENE (998 ft.)	DEERFIELD BEACH CITY-WELL #17	994 S MILITARY TRL, DEERFIELD BEACH, FL 33442	96
27	LUAST	8622498LUAST	0.189 mi. ENE (998 ft.)	DEERFIELD BEACH CITY-WELL #17	994 S MILITARY TRL, DEERFIELD BEACH, FL 33442	97
27	UST	8622498UST	0.189 mi. ENE (998 ft.)	DEERFIELD BEACH CITY-WELL #17	994 S MILITARY TRL, DEERFIELD BEACH, FL 33442	99
28	AST	9809480AST	0.198 mi. S (1045 ft.)	PUBLIX SUPER MARKET #246	1337 S MILITARY TRL, DEERFIELD BEACH, FL 33442	100
28	BCBF	3544BCBF	0.198 mi. S (1045 ft.)	DRY CLEAN USA	1379 S MILITARY TRL, DEERFIELD BEACH, FL 33442	101
28	BCBF	3665BCBF	0.198 mi. S (1045 ft.)	ONE STOP DRY CLEANERS	1323 S MILITARY TRL, DEERFIELD BEACH, FL 33442	102
28	BCST	11230BCST	0.198 mi. S (1045 ft.)	PUBLIX SUPER MARKETS, INC. #0246	1337 S MILITARY TRL, DEERFIELD BEACH, FL 33442	103
28	CLEANERS	9500804	0.198 mi. S (1045 ft.)	ONE STOP DRY CLEANER	1323 S MILITARY TRL, DEERFIELD BEACH, FL 33442	104

Located Sites Summary

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
28	CLEANERS	9800735	0.198 mi. S (1045 ft.)	ONE STEP DRY CLEANERS	1323 S MILITARY TRAIL, DEERFIELD BEACH, FL 33442	105
28	CLEANUPS	000069500804	0.198 mi. S (1045 ft.)	DRYCLEAN USA	1379 S MILITARY TRL, DEERFIELD BEACH, FL 33442	106
28	CLEANUPS	000069800735	0.198 mi. S (1045 ft.)	ONE STOP DRY CLEANERS & SHOE REPAIR	1323 S MILITARY TRL, DEERFIELD BEACH, FL 33442	107
28	HISTCLEANER S	9500804HIST	0.198 mi. S (1045 ft.)	ONE STOP DRY CLEANER	1323 S MILITARY TRL, DEERFIELD BEACH, FL 33442	108
28	HISTCLEANER S	9800735HIST	0.198 mi. S (1045 ft.)	ONE STEP DRY CLEANERS	1323 S MILITARY TRAIL, DEERFIELD BEACH, FL 33442	109
29	AST	9803298AST	0.206 mi. S (1088 ft.)	REXALL SUNDOWN	1111 SW 30TH AVE, DEERFIELD BEACH, FL 33442	110
29	BCST	03057BCST	0.206 mi. S (1088 ft.)	REXALL SUNDOWN, INC.	1111 SW 30TH AVE, DEERFIELD BEACH, FL 33442	111
30	BCST	01033BCST	0.232 mi. S (1225 ft.)	HANSON ROOF TILE	1340 SW 34TH AVE, DEERFIELD BEACH, FL 33442	112
30	LUAST	8627909LUAST	0.232 mi. S (1225 ft.)	HANSON ROOF TILE	1340 SW 34TH AVE, DEERFIELD BEACH, FL 33442	113
31	BCST	02858BCST	0.238 mi. S (1257 ft.)	THE HORIZON CLUB	1208 S MILITARY TRL, DEERFIELD BEACH, FL 33442	115
31	LUAST	8733265LUAST	0.238 mi. S (1257 ft.)	MARRIOTT HORIZON CLUB	1208 S MILITARY TRL, DEERFIELD BEACH, FL 32442	116
31	UST	8733265UST	0.238 mi. S (1257 ft.)	MARRIOTT HORIZON CLUB	1208 S MILITARY TRL, DEERFIELD BEACH, FL 32442	118
32	AST	8944976AST	0.243 mi. S (1283 ft.)	HARDRIVES ASPHALT CO	1200 S POWERLINE RD, DEERFIELD BEACH, FL 33441	119
32	BCST	01802BCST	0.243 mi. S (1283 ft.)	HARDRIVES ASPHALT COMPANY	1200 S POWERLINE RD, DEERFIELD BEACH, FL 33442	120
33	LUAST	9807332LUAST	0.257 mi. W (1357 ft.)	MCFARLANE TRUCKING 03-21-0279	DEERFIELD TOLL PLAZA E BOUND ON SAWGRASS, DEERFIELD BEACH, FL 33073	121
34	LUAST	8735765LUAST	0.39 mi. S (2059 ft.)	POWERMIX INDUSTRIES INC	3500 SW 14TH ST, DEERFIELD BEACH, FL 33442	123
35	BCBF	1733BCBF	0.421 mi. S (2223 ft.)	POWERMIX INDUSTRIES	1450 SW 34TH AVE, DEERFIELD BEACH, FL 33442	125
35	LUAST	9200314LUAST	0.421 mi. S (2223 ft.)	POWERMIX INDUSTRIES INC	1450 SW 34TH AVE, DEERFIELD BEACH, FL 33442	126
36	BCBF	1709ABCBF	0.422 mi. S (2228 ft.)	SAVAGE CONSTRUCTION	1410 S POWERLINE RD, DEERFIELD BEACH, FL 33442	128
36	BCBF	1709BBCBF	0.422 mi. S (2228 ft.)	SAVAGE CONSTRUCTION	1410 S POWERLINE RD, DEERFIELD BEACH, FL 33442	129
36	BCBF	1709BCBF	0.422 mi. S (2228 ft.)	SAVAGE CONSTRUCTION	1410 S POWERLINE RD, DEERFIELD BEACH, FL 33442	130
36	BCSWF	000013	0.422 mi. S (2228 ft.)	SUN RECYCLING LLC #8	1410 S POWERLINERD, DEERFIELD BEACH, FL 33442	131
36	LUAST	8625891LUAST	0.422 mi. S (2228 ft.)	RICHS LANDSCAPING	1410 S POWERLINE RD, DEERFIELD BEACH, FL 33442	132
36	SWF	55469	0.422 mi. S (2228 ft.)	SUN RECYCLING #8	1410 S. POWERLINE RD., DEERFIELD BEACH, FL 33442	135

Located Sites Summary

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
37	BCBF	0849BBCBF	0.484 mi. ENE (2556 ft.)	PUBLIX DISTRIBUTION CTR	777 SW 12TH AVE, DEERFIELD BEACH, FL 33442	136
37	BCBF	0849CBCBF	0.484 mi. ENE (2556 ft.)	PUBLIX DISTRIBUTION CTR	777 SW 12TH AVE, DEERFIELD BEACH, FL 33442	137
37	LUAST	8945000LUAST	0.484 mi. ENE (2556 ft.)	PUBLIX SUPER MARKET DISTRIBUTION CTR	777 SW 12TH AVE, DEERFIELD BEACH, FL 33442	138
38	LUAST	9807870LUAST	0.487 mi. E (2571 ft.)	BEST WESTERN	1050 E NEWPORT CENTER DR, DEERFIELD BEACH, FL 33442	144

Enforcement and Compliance History Information (ECHOR04)

[MAP ID# 1](#)

Distance from Property: 0.001 mi. (5 ft.) S

FACILITY INFORMATION

UNIQUE ID: 110056996684

REGISTRY ID: 110056996684

NAME: DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN

ADDRESS: MILITARY TRL & SW 10TH ST
DEERFIELD BEACH, FL 33442

COUNTY: BROWARD

FACILITY LINK: [Facility Detail Report](#)

[Back to Report Summary](#)

Facility Registry System (FRSFL)

[MAP ID# 1](#)

Distance from Property: 0.001 mi. (5 ft.) S

FACILITY INFORMATION

REGISTRY ID: 110056996684

NAME: DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN

LOCATION ADDRESS: MILITARY TRL & SW 10TH ST
DEERFIELD BEACH, FL 33442

COUNTY: BROWARD

EPA REGION: 04

FEDERAL FACILITY: NOT REPORTED

TRIBAL LAND: NOT REPORTED

ALTERNATIVE NAME/S:

DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN

PROGRAM/S LISTED FOR THIS FACILITY

NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

NO NAICS DATA REPORTED

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Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 1

Distance from Property: 0.001 mi. (5 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: FLR10IF87INPDES

NPDES ID: FLR10IF87 FACILITY #: 110056996684

NAME: DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN

PHYSICAL ADDRESS: MILITARY TRL & SW 10TH ST
DEERFIELD BEACH FL 33442

COUNTY: BROWARD

FACILITY TYPE: MUNICIPAL OR WATER DISTRICT

IMPAIRED WATERS: NOT REPORTED

STANDARD INDUSTRIAL CLASSIFICATION

- NOT REPORTED -

PERMITS

FACILITY TYPE INDICATOR: NON-POTABLE WATER

PERMIT TYPE: GENERAL PERMIT COVERED FACILITY

MAJOR MINOR FACILITY: MINOR DISCHARGER

PERMIT STATUS: TERMINATED

WATER BODY: NOT REPORTED

PERMIT NAME: DOWNRITE ENGINEERING

AGENCY TYPE: STATE

ORIGINAL ISSUE DATE: 4/30/2009

ISSUE DATE: 4/30/2009

ISSUING AGENCY: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

EFFECTIVE DATE: 4/30/2009

EXPIRATION DATE: 4/29/2014

RETIREMENT DATE: NOT REPORTED

TERMINATION DATE: 12/11/2015

PERMIT COMPLIANCE STATUS: YES

PERMIT SUBJECT TO DMR RUN: NOT REPORTED

REPORTABLE NONCOMPLIANCE TRACKING IS ON: YES

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): 20162

HISTORIC NON-COMPLIANCE: UNDETERMINED QNCR STATUS - INSUFFICIENT DATA, OR PERMITEE IS A MINOR DISCHARGER NOT SUBJECT TO MANDATORY REPORTING

NUMBER OF E90 VIOLATIONS: 0

NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: 0

NUMBER OF SINGLE EVENT VIOLATIONS: 0

NUMBER OF PERMIT SCHEDULE VIOLATIONS: 0

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): 20161

HISTORIC NON-COMPLIANCE: UNDETERMINED QNCR STATUS - INSUFFICIENT DATA, OR PERMITEE IS A MINOR DISCHARGER NOT SUBJECT TO MANDATORY REPORTING

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

NUMBER OF E90 VIOLATIONS: 0

NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: 0

NUMBER OF SINGLE EVENT VIOLATIONS: 0

NUMBER OF PERMIT SCHEDULE VIOLATIONS: 0

SINGLE EVENT VIOLATIONS

- NO SINGLE EVENT VIOLATIONS REPORTED -

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

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National Pollutant Discharge Elimination System Facilities (NPDES)

[MAP ID# 1](#)

Distance from Property: 0.001 mi. (5 ft.) S

FACILITY INFORMATION

FACILITY ID: **FLR10IF87**

FACILITY NAME: **DEERFIELD BEACH, CITY OF - WEST WELLFIELD WATER SUPPLY EXPAN**

ADDRESS: **MILITARY TRL & SW 10TH ST**

DEERFIELD BEACH , FL

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION STORMWATER GP**

STATUS: **ACTIVE**

OWNERSHIP: **MUNICIPAL**

COMPANY NAME: **DOWNRITE ENGINEERING**

RELATED PARTY NAME: **SAM LO BUE, PMTE**

RELATED PARTY ADDRESS: **14241 SW 143RD CT**

MIAMI FL 33186

RELATED PARTY PHONE: **3052322340**

RELATED PARTY EMAIL: **NOT REPORTED**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **4/30/2009**

DATE OF EXPIRATION: **4/29/2014**

NATURE OF BUSINESS: **NOT REPORTED**

TREATMENT: **NOT REPORTED**

CAPACITY: **NOT REPORTED**

DOMESTIC WASTEWATER FACILITY CLASS: **NOT REPORTED**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

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Enforcement and Compliance History Information (ECHOR04)

MAP ID# 2

Distance from Property: 0.003 mi. (16 ft.) N

FACILITY INFORMATION

UNIQUE ID: 110046327131

REGISTRY ID: 110046327131

NAME: SR 869 (SW 10 STREET)

ADDRESS: UNKNOWN

DEERFIELD BEACH, FL 33442

COUNTY: BROWARD

FACILITY LINK: [Facility Detail Report](#)

[Back to Report Summary](#)

Facility Registry System (FRSFL)

[MAP ID# 2](#)

Distance from Property: 0.003 mi. (16 ft.) N

FACILITY INFORMATION

REGISTRY ID: 110046327131

NAME: SR 869 (SW 10 STREET)

LOCATION ADDRESS: UNKNOWN

DEERFIELD BEACH, FL 33442

COUNTY: BROWARD

EPA REGION: 04

FEDERAL FACILITY: NOT REPORTED

TRIBAL LAND: NOT REPORTED

ALTERNATIVE NAME/S:

SR 869 (SW 10 STREET)

PROGRAM/S LISTED FOR THIS FACILITY

NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

NO NAICS DATA REPORTED

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Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 2

Distance from Property: 0.003 mi. (16 ft.) N

FACILITY INFORMATION

GEOSEARCH ID: FLR10LU90INPDES

NPDES ID: FLR10LU90 FACILITY #: 110046327131

NAME: SR 869 (SW 10 STREET)

PHYSICAL ADDRESS: NOT REPORTED

DEERFIELD BEACH FL 33442

COUNTY: BROWARD

FACILITY TYPE: NOT REPORTED

IMPAIRED WATERS: NOT REPORTED

STANDARD INDUSTRIAL CLASSIFICATION

- NOT REPORTED -

PERMITS

FACILITY TYPE INDICATOR: NON-POTABLE WATER

PERMIT TYPE: GENERAL PERMIT COVERED FACILITY

MAJOR MINOR FACILITY: MINOR DISCHARGER

PERMIT STATUS: EFFECTIVE

WATER BODY: NOT REPORTED

PERMIT NAME: COMMUNITY ASPHALT CORP

AGENCY TYPE: STATE

ORIGINAL ISSUE DATE: 7/13/2012

ISSUE DATE: 7/13/2012

ISSUING AGENCY: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

EFFECTIVE DATE: 7/13/2012

EXPIRATION DATE: 7/12/2017

RETIREMENT DATE: NOT REPORTED

TERMINATION DATE: NOT REPORTED

PERMIT COMPLIANCE STATUS: YES

PERMIT SUBJECT TO DMR RUN: NOT REPORTED

REPORTABLE NONCOMPLIANCE TRACKING IS ON: YES

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

- NO HISTORIC COMPLIANCE REPORTED -

SINGLE EVENT VIOLATIONS

- NO SINGLE EVENT VIOLATIONS REPORTED -

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

**Integrated Compliance Information System National Pollutant Discharge
Elimination System (ICISNPDES)**

- NOT REPORTED -

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 2

Distance from Property: 0.006 mi. (32 ft.) N

FACILITY INFORMATION

FACILITY ID: FLR10LU90

FACILITY NAME: SR 869 (SW 10 STREET)

ADDRESS: NOT REPORTED

DEERFIELD BEACH , FL

COUNTY: BROWARD

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: CONSTRUCTION STORMWATER GP

STATUS: ACTIVE

OWNERSHIP: UNKNOWN

COMPANY NAME: COMMUNITY ASPHALT CORP

RELATED PARTY NAME: MANUEL AGUIAR, PMTE

RELATED PARTY ADDRESS: 14005 NW 186TH ST

MIAMI FL 33018

RELATED PARTY PHONE: 3058290700

RELATED PARTY EMAIL: MAGUIAR@CACORP.NET

PERMIT TYPE: GENERIC PERMIT

DATE OF ISSUE: 7/13/2012

DATE OF EXPIRATION: 7/12/2017

NATURE OF BUSINESS: NOT REPORTED

TREATMENT: NOT REPORTED

CAPACITY: NOT REPORTED

DOMESTIC WASTEWATER FACILITY CLASS: NOT REPORTED

OFFICE: TALLAHASSEE NPDES STORMWATER

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 3

Distance from Property: 0.031 mi. (164 ft.) SW

FACILITY INFORMATION

FACILITY ID: **FLR20AV28**

FACILITY NAME: **LANTANA FARMS PUD**

ADDRESS: **NOT REPORTED**

UNINCORPORATED , FL

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION GENERIC DEWATERING**

STATUS: **ACTIVE**

OWNERSHIP: **UNKNOWN**

COMPANY NAME: **JACKSON LAND DEVELOPMENT LLC**

RELATED PARTY NAME: **ED FOSS, PMTE**

RELATED PARTY ADDRESS: **1888 NW 21ST ST
POMPANO BEACH FL 33069-1334**

RELATED PARTY PHONE: **9549733060**

RELATED PARTY EMAIL: **ED.FOSS@JACKSONLD.COM**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **7/14/2016**

DATE OF EXPIRATION: **7/13/2021**

NATURE OF BUSINESS: **NOT REPORTED**

TREATMENT: **NOT REPORTED**

CAPACITY: **NOT REPORTED**

DOMESTIC WASTEWATER FACILITY CLASS: **NOT REPORTED**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 4

Distance from Property: 0.032 mi. (169 ft.) S

FACILITY INFORMATION

FACILITY ID: **FLR10LI06**

FACILITY NAME: **TPK MAINLINE MILLING & RESURFACING**

ADDRESS: **NOT REPORTED**

COCONUT CREEK , FL 33442

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION STORMWATER GP**

STATUS: **ACTIVE**

OWNERSHIP: **PRIVATE**

COMPANY NAME: **COMMUNITY ASPHALT CORP**

RELATED PARTY NAME: **MANUEL AGUIAR, PMTE**

RELATED PARTY ADDRESS: **14005 NW 186TH ST**

MIAMI FL 33018

RELATED PARTY PHONE: **3058290700**

RELATED PARTY EMAIL: **MAGUIAR@CACORP.NET**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **2/16/2012**

DATE OF EXPIRATION: **2/15/2017**

NATURE OF BUSINESS: **N/A**

TREATMENT: **N/A**

CAPACITY: **N/A**

DOMESTIC WASTEWATER FACILITY CLASS: **N/A**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

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Broward County Contaminated Sites (BCBF)

MAP ID# 5

Distance from Property: 0.034 mi. (180 ft.) S

FACILITY INFORMATION

SITE ID: **2049BCBF**

FACILITY NAME: **FCE #1836**

ADDRESS: **1011 S POWERLINE RD
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **069800891**

SITE PROGRAM TYPE: **NON FUNDED (BROWARD COUNTY LICENSING PROGRAM OR FDEP LED SITES)**

FACILITY TYPE: **GAS STATION**

POLLUTANT: **GASOLINE**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Storage Tanks (BCST)

MAP ID# 5

Distance from Property: 0.034 mi. (180 ft.) S

FACILITY INFORMATION

FACILITY ID: 03329BCST

DEP ID: 069800891

FACILITY NAME: FCE #1836

ADDRESS: 1011 S POWERLINE RD
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 03329-01

TANK LOCATION: UNDERGROUND

STATUS: 1. INSTALLATION / MODIFICATION; OUT-OF-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 10000

INSTALLED DATE: 12/8/1998

CONSTRUCTION: F. FIBERGLASS-CLAD STEEL

TANK NUMBER: 03329-02

TANK LOCATION: UNDERGROUND

STATUS: 1. INSTALLATION / MODIFICATION; OUT-OF-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 10000

INSTALLED DATE: 12/8/1998

CONSTRUCTION: F. FIBERGLASS-CLAD STEEL

TANK NUMBER: 03329-03

TANK LOCATION: UNDERGROUND

STATUS: 1. INSTALLATION / MODIFICATION; OUT-OF-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 10000

INSTALLED DATE: 12/8/1998

CONSTRUCTION: F. FIBERGLASS-CLAD STEEL

TANK NUMBER: 03329-04

TANK LOCATION: UNDERGROUND

STATUS: 1. INSTALLATION / MODIFICATION; OUT-OF-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 10000

INSTALLED DATE: 12/8/1998

CONSTRUCTION: F. FIBERGLASS-CLAD STEEL

TANK NUMBER: 03329-05

TANK LOCATION: UNDERGROUND

STATUS: 1. INSTALLATION / MODIFICATION; OUT-OF-SERVICE

Broward County Storage Tanks (BCST)

CONTENT: **D. VEHICULAR DIESEL**

TANK SIZE: **8000**

INSTALLED DATE: **12/8/1998**

CONSTRUCTION: **F. FIBERGLASS-CLAD STEEL**

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 5

Distance from Property: 0.034 mi. (180 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: **9800891LUAST**
FACILITY ID: **9800891**
FACILITY NAME: **SHELL-FIRST COAST ENERGY #1836**
ADDRESS: **1011 S POWERLINE RD**
DEERFIELD BEACH , FL 33442 BROWARD COUNTY
FACILITY STATUS: **OPEN**
FACILITY TYPE: **A - RETAIL STATION**
FACILITY PHONE: **(904)596-3200**
FACILITY CLEANUP RANK: **NOT REPORTED**
DISTRICT: **SOUTHEAST DISTRICT**
SCORE: **6**
SCORE EFFECTIVE DATE: **06/29/2015**
SCORE WHEN RANKED: **NOT REPORTED**
OPERATOR: **ENVIRONMENTAL DIRECTOR**
NAME CHANGED: **04/11/2014**
ADDRESS CHANGED: **05/12/2011**

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Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: **FIRST COAST ENERGY LLP**
ADDRESS: **7014 A C SKINNER PKWY STE 290**
JACKSONVILLE , FL 32256
CONTACT: **ENVIRONMENTAL DEPARTMENT**
PHONE: **(904)596-3200**

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: **03/10/2015**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
SITE MANAGER: **MOORE_JJ**
SCORE: **6**
RANK: **NOT REPORTED**
CONTAMINATED DRINKING WELLS: **NOT REPORTED**
CONTAMINATED MONITORING WELLS: **NO**
CONTAMINATED SOIL: **YES**
CONTAMINATED SURFACE WATER: **NO**
CONTAMINATED GROUND WATER: **NO**
POLLUTANT: **B - UNLEADED GAS**
OTHER DESCRIPTION: **NOT REPORTED**
GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **09/25/2017**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER END DATE: **09/26/2017**
SCORE EFFECTIVE DATE: **06/29/2015**

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **92374**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE:
SRCR - SITE REHABILITATION COMPLETION REPORT
SRC SUBMIT DATE: **04-13-2017**
SRC REVIEW DATE: **04-17-2017**
SRC ISSUE DATE: **09-25-2017**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **07-25-2017**
SRC COMMENTS: **NOT REPORTED**

REMEDIATION ACTION PLAN (RAP) TASK ID: **NOT REPORTED**
RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**
REMEDIATION ACTION (RA) TASK ID: **92931**
RA CLEANUP RESPONSIBLE: **RP - RESPONSIBLE PARTY**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **03/10/2015**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **SRCR - SRCR COMPLETE**
DISCHARGE CLEANUP DATE: **09/25/2017**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SCORE: **6**
SCORE EFFECTIVE DATE: **06/29/2015**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Underground Storage Tanks (UST)

MAP ID# 5

Distance from Property: 0.034 mi. (180 ft.) S

FACILITY INFORMATION

FACILITY ID: 9800891

FACILITY NAME: SHELL-FIRST COAST ENERGY #1836

ADDRESS: 1011 S POWERLINE RD

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: A-RETAIL STATION

STATUS: OPEN

CONTACT: ENVIRONMENTAL DEPARTMENT

PHONE: (904) 596-3200

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	10000	UNLEADED GAS	01-OCT-1998	UNDERGROUND	IN SERVICE/01-JUN-2000
2	10000	UNLEADED GAS	01-OCT-1998	UNDERGROUND	IN SERVICE/01-JUN-2000
3	10000	UNLEADED GAS	01-OCT-1998	UNDERGROUND	IN SERVICE/01-JUN-2000
4	10000	UNLEADED GAS	01-OCT-1998	UNDERGROUND	IN SERVICE/01-JUN-2000
5	8000	VEHICULAR DIESEL	01-OCT-1998	UNDERGROUND	IN SERVICE/01-JUN-2000

TANK CONSTRUCTION INFORMATION

TANK #:	CONSTRUCTION:
1	A - BALL CHECK VALVE
1	F - FIBERGLASS CLAD STEEL
1	M - SPILL CONTAINMENT BUCKET
1	N - FLOW SHUT-OFF
1	P - LEVEL GAUGES/ALARMS
1	R - DOUBLE WALL - TANK JACKET
2	A - BALL CHECK VALVE
2	F - FIBERGLASS CLAD STEEL
2	M - SPILL CONTAINMENT BUCKET
2	N - FLOW SHUT-OFF
2	P - LEVEL GAUGES/ALARMS
2	R - DOUBLE WALL - TANK JACKET
3	A - BALL CHECK VALVE
3	F - FIBERGLASS CLAD STEEL
3	M - SPILL CONTAINMENT BUCKET
3	N - FLOW SHUT-OFF
3	P - LEVEL GAUGES/ALARMS
3	R - DOUBLE WALL - TANK JACKET
4	A - BALL CHECK VALVE
4	F - FIBERGLASS CLAD STEEL
4	M - SPILL CONTAINMENT BUCKET
4	N - FLOW SHUT-OFF

Underground Storage Tanks (UST)

4	P - LEVEL GAUGES/ALARMS
4	R - DOUBLE WALL - TANK JACKET
5	A - BALL CHECK VALVE
5	F - FIBERGLASS CLAD STEEL
5	M - SPILL CONTAINMENT BUCKET
5	N - FLOW SHUT-OFF
5	P - LEVEL GAUGES/ALARMS
5	R - DOUBLE WALL - TANK JACKET

TANK PIPING INFORMATION

TANK #:	PIPING:
1	C - FIBERGLASS
1	F - DOUBLE WALL
1	J - PRESSURIZED PIPING SYSTEM
1	K - DISPENSER LINERS
2	C - FIBERGLASS
2	F - DOUBLE WALL
2	J - PRESSURIZED PIPING SYSTEM
2	K - DISPENSER LINERS
3	C - FIBERGLASS
3	F - DOUBLE WALL
3	J - PRESSURIZED PIPING SYSTEM
3	K - DISPENSER LINERS
4	C - FIBERGLASS
4	F - DOUBLE WALL
4	J - PRESSURIZED PIPING SYSTEM
4	K - DISPENSER LINERS
5	C - FIBERGLASS
5	F - DOUBLE WALL
5	J - PRESSURIZED PIPING SYSTEM
5	K - DISPENSER LINERS

TANK MONITORING INFORMATION

TANK #:	MONITORING:
1	G - ELECTRONIC LINE LEAK DETECTOR
1	J - MONITOR PIPING/LINER SPACE
1	K - MONITOR DBL WALL PIPE SPACE
1	L - AUTOMATIC TANK GAUGING - USTS
2	G - ELECTRONIC LINE LEAK DETECTOR
2	J - MONITOR PIPING/LINER SPACE
2	K - MONITOR DBL WALL PIPE SPACE
2	L - AUTOMATIC TANK GAUGING - USTS
3	G - ELECTRONIC LINE LEAK DETECTOR
3	J - MONITOR PIPING/LINER SPACE
3	K - MONITOR DBL WALL PIPE SPACE
3	L - AUTOMATIC TANK GAUGING - USTS
4	G - ELECTRONIC LINE LEAK DETECTOR

Underground Storage Tanks (UST)

4 J - MONITOR PIPING/LINER SPACE
4 K - MONITOR DBL WALL PIPE SPACE
4 L - AUTOMATIC TANK GAUGING - USTS
5 G - ELECTRONIC LINE LEAK DETECTOR
5 J - MONITOR PIPING/LINER SPACE
5 K - MONITOR DBL WALL PIPE SPACE
5 L - AUTOMATIC TANK GAUGING - USTS

OWNER INFORMATION

OWNER NAME: **FIRST COAST ENERGY LLP**
OWNER ADDRESS: **7014 A C SKINNER PKWY STE 290**
JACKSONVILLE FL 32256

REGULATED MINERAL ACID TANKS INFORMATION - NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

DATE:	DESCRIPTION:	SCORE:	SCORE DATE:	STATUS DESCRIPTION:	STATUS DATE:
3/10/2015	CLEANUP REQUIRED	00006	29-JUN-2015	SRCR COMPLETE	9/25/2017
3/10/2015	CLEANUP REQUIRED	00006	29-JUN-2015	RA ONGOING	3/28/2016
3/10/2015	CLEANUP REQUIRED	00006	29-JUN-2015	RA ONGOING	NOT REPORTED

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Aboveground Storage Tanks (AST)

MAP ID# 6

Distance from Property: 0.042 mi. (222 ft.) S

FACILITY INFORMATION

FACILITY ID: 9812649

FACILITY NAME: DEERFILED BEACH CITY-WELL FA-2

ADDRESS: 2450 SW 10TH ST

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: H-LOCAL GOVERNMENT

STATUS: OPEN

CONTACT: DAVID BRISBANE

PHONE: (954) 480-4370

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Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	1000	EMERG GENERATOR DIESEL	01-APR-2011	ABOVEGROUND	IN SERVICE/01-APR-2011

TANK CONSTRUCTION INFORMATION

TANK #: CONSTRUCTION:

1 M - SPILL CONTAINMENT BUCKET

1 R - DOUBLE WALL - TANK JACKET

TANK PIPING INFORMATION

TANK #: PIPING:

1 A - ABV, NO SOIL CONTACT

1 B - STEEL/GALVANIZED METAL

TANK MONITORING INFORMATION

TANK #: MONITORING:

1 F - MONITOR DBL WALL TANK SPACE

OWNER INFORMATION

OWNER NAME: DEERFIELD BEACH CITY

OWNER ADDRESS: 290 GOOLSBY BLVD

DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Broward County Storage Tanks (BCST)

MAP ID# 6

Distance from Property: 0.042 mi. (222 ft.) S

FACILITY INFORMATION

FACILITY ID: 13247BCST

DEP ID: 069812649

FACILITY NAME: CITY OF DEERFIELD BEACH, WELL FA-2

ADDRESS: 2450 SW 10 ST
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 13247-01

TANK LOCATION: ABOVE GROUND

STATUS: U. IN-SERVICE

CONTENT: G. DIESEL; EMERGENCY GENERATOR

TANK SIZE: 1000

INSTALLED DATE: 7/18/2011

CONSTRUCTION: C. STEEL

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 7

Distance from Property: 0.062 mi. (327 ft.) S

FACILITY INFORMATION

EPA ID#: FLR000076695

OWNER TYPE: PRIVATE

NAME: KONICA GRAPHIC IMAGING INTL INC

OWNER NAME: KONICA GRAPHIC IMAGING INTL INC

ADDRESS: 1072 S POWERLINE RD

OPERATOR TYPE: NOT REPORTED

DEERFIELD BEACH, FL 33442-8119

OPERATOR NAME: NOT REPORTED

CONTACT NAME: JEAN HOLBROOK

CONTACT ADDRESS: 1072 S POWERLINE RD

DEERFIELD BEACH FL 33442-8119

CONTACT PHONE: 954-480-9800

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 05/16/2001

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Aboveground Storage Tanks (AST)

MAP ID# 8

Distance from Property: 0.063 mi. (333 ft.) S

FACILITY INFORMATION

FACILITY ID: 9100756

FACILITY NAME: MED-CARE PHARMACY INC

ADDRESS: 1052 S POWERLINE RD

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: OPEN

CONTACT: JORGE MEJIA

PHONE: (954) 354-0530

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
2	1000	EMERG GENERATOR DIESEL	01-MAR-1998	ABOVEGROUND	IN SERVICE/28-JAN-2009

TANK CONSTRUCTION INFORMATION

TANK #: CONSTRUCTION:

2 C - STEEL

2 M - SPILL CONTAINMENT BUCKET

2 R - DOUBLE WALL - TANK JACKET

TANK PIPING INFORMATION

TANK #: PIPING:

2 A - ABV, NO SOIL CONTACT

TANK MONITORING INFORMATION

TANK #: MONITORING:

2 F - MONITOR DBL WALL TANK SPACE

OWNER INFORMATION

OWNER NAME: DANA MEDICAL CENTER

OWNER ADDRESS: 1052 S POWERLINE RD

DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Broward County Storage Tanks (BCST)

MAP ID# 8

Distance from Property: 0.063 mi. (333 ft.) S

FACILITY INFORMATION

FACILITY ID: **02169BCST**

DEP ID: **069100756**

FACILITY NAME: **DANA MEDICAL PROPERTIES**

ADDRESS: **1052 S POWERLINE RD
DEERFIELD BEACH, 33442**

FACILITY DETAILS

TANK NUMBER: **02169-01**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **G. DIESEL; EMERGENCY GENERATOR**

TANK SIZE: **1000**

INSTALLED DATE: **2/24/1998**

CONSTRUCTION: **E. FIBERGLASS**

TANK NUMBER: **02169-02**

TANK LOCATION: **UNDERGROUND**

STATUS: **B. REMOVED FROM SITE**

CONTENT: **G. DIESEL; EMERGENCY GENERATOR**

TANK SIZE: **550**

INSTALLED DATE: **5/1/1989**

CONSTRUCTION: **E. FIBERGLASS**

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Underground Storage Tanks (UST)

MAP ID# 8

Distance from Property: 0.063 mi. (333 ft.) S

FACILITY INFORMATION

FACILITY ID: 9100756

FACILITY NAME: MED-CARE PHARMACY INC

ADDRESS: 1052 S POWERLINE RD

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: OPEN

CONTACT: JORGE MEJIA

PHONE: (954) 354-0530

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	550	EMERG GENERATOR DIESEL	01-MAY-1989	UNDERGROUND	REMOVED FROM SITE/01-FEB-1998

TANK CONSTRUCTION INFORMATION

TANK #: CONSTRUCTION:

2 C - STEEL

2 M - SPILL CONTAINMENT BUCKET

2 R - DOUBLE WALL - TANK JACKET

TANK PIPING INFORMATION

TANK #: PIPING:

2 A - ABV, NO SOIL CONTACT

TANK MONITORING INFORMATION

TANK #: MONITORING:

2 F - MONITOR DBL WALL TANK SPACE

OWNER INFORMATION

OWNER NAME: DANA MEDICAL CENTER

OWNER ADDRESS: 1052 S POWERLINE RD

DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 9

Distance from Property: 0.063 mi. (333 ft.) N

FACILITY INFORMATION

FACILITY ID: **FLR10Z523**

FACILITY NAME: **DEERFIELD MOC**

ADDRESS: **SW 15TH ST AND FAU BLVD
DEERFIELD BEACH , FL 33441**

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION STORMWATER GP**

STATUS: **ACTIVE**

OWNERSHIP: **PRIVATE**

COMPANY NAME: **CITY OF DEERFIELD**

RELATED PARTY NAME: **LARRY R DEETJEN, CITY MANAGER**

RELATED PARTY ADDRESS: **150 NE 2ND AVE
DEERFIELD BEACH FL 33441-3506**

RELATED PARTY PHONE: **9544804263**

RELATED PARTY EMAIL: **NOT REPORTED**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **2/18/2005**

DATE OF EXPIRATION: **2/17/2010**

NATURE OF BUSINESS: **N/A**

TREATMENT: **N/A**

CAPACITY: **N/A**

DOMESTIC WASTEWATER FACILITY CLASS: **N/A**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

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Underground Storage Tanks (UST)

MAP ID# 10

Distance from Property: 0.066 mi. (348 ft.) S

FACILITY INFORMATION

FACILITY ID: 8838386

FACILITY NAME: FARMER & IRWIN CORP

ADDRESS: 3301 SW 11TH ST

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: CLOSED

CONTACT: ALAN LONG

PHONE: (305) 421-6465

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	3000	UNLEADED GAS	01-SEP-1973	UNDERGROUND	REMOVED FROM SITE/31-AUG-1992
2	1000	VEHICULAR DIESEL	01-SEP-1973	UNDERGROUND	REMOVED FROM SITE/31-AUG-1992

TANK CONSTRUCTION INFORMATION

- NO CONSTRUCTION INFORMATION REPORTED

TANK PIPING INFORMATION

- NO PIPING INFORMATION REPORTED

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: FARMER & IRWIN CORP

OWNER ADDRESS: PO BOX 10117

RIVIERA BEACH FL 33419

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 11

Distance from Property: 0.067 mi. (354 ft.) N

FACILITY INFORMATION

FACILITY ID: **FLR10JL61**

FACILITY NAME: **QUIET WATERS PARK**

ADDRESS: **401 S POWERLINE RD
DEERFIELD BEACH , FL**

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION STORMWATER GP**

STATUS: **ACTIVE**

OWNERSHIP: **UNKNOWN**

COMPANY NAME: **MBR CONSTRUCTION INC**

RELATED PARTY NAME: **MICHAEL R BOSS, PMTE**

RELATED PARTY ADDRESS: **1020 NW 51ST STREET
FORT LAUDERDALE FL 33309**

RELATED PARTY PHONE: **9544868404**

RELATED PARTY EMAIL: **NOT REPORTED**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **5/20/2010**

DATE OF EXPIRATION: **5/19/2015**

NATURE OF BUSINESS: **NOT REPORTED**

TREATMENT: **NOT REPORTED**

CAPACITY: **NOT REPORTED**

DOMESTIC WASTEWATER FACILITY CLASS: **NOT REPORTED**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

[Back to Report Summary](#)

Solid Waste Facilities (SWF)

MAP ID# 11

Distance from Property: 0.067 mi. (354 ft.) N

INCIDENT INFORMATION

FACILITY ID: 98074

FACILITY NAME: QUIET WATERS PARK DEBRIS STAGING AREA

ADDRESS: 401 SOUTH POWERLINE ROAD

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

RESPONSIBLE NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

SUPERVISOR INFORMATION

SUPERVISOR NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

OWNER INFORMATION

OWNER NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

FACILITY STATUS:

CLASS:

CLASS STATUS:

INACTIVE

DISASTER DEBRIS MANAGEMENT SITE INACTIVE (I)

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 12

Distance from Property: 0.07 mi. (370 ft.) N

FACILITY INFORMATION

EPA ID#: FLTMP9103109

NAME: DEVCON

ADDRESS: 3165 SW 10TH ST

DEERFIELD BEACH, FL 33442-5946

OWNER TYPE: NOT REPORTED

OWNER NAME: NOT REPORTED

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

CONTACT NAME: NOT REPORTED

CONTACT ADDRESS: NOT REPORTED

CONTACT PHONE: NOT REPORTED

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 08/21/1991

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

MAP ID# 13

Distance from Property: 0.084 mi. (444 ft.) S

FACILITY INFORMATION

EPA ID#: FLD982139628

OWNER TYPE: PRIVATE

NAME: RYAN INC EASTERN SHOP

OWNER NAME: JERRY STEWART

ADDRESS: 1071 SW 30TH AVE

OPERATOR TYPE: NOT REPORTED

DEERFIELD BEACH, FL 33442-8104

OPERATOR NAME: NOT REPORTED

CONTACT NAME: JERRY STEWART

CONTACT ADDRESS: 786 S MILITARY TRL

DEERFIELD BEACH FL 33442-3025

CONTACT PHONE: 305-427-5599

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 11/30/2011

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: NON-GENERATOR LAST UPDATED DATE: 05/14/2012

SUBJECT TO CORRECTIVE ACTION UNIVERSE: NO

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: NO

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: NO

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: NO

CORRECTIVE ACTION WORKLOAD UNIVERSE: NO

IMPORTER: NO

UNDERGROUND INJECTION: NO

MIXED WASTE GENERATOR: NO

UNIVERSAL WASTE DESTINATION FACILITY: NO

RECYCLER: NO

TRANSFER FACILITY: NO

TRANSPORTER: NO

USED OIL FUEL BURNER: NO

ONSITE BURNER EXEMPTION: NO

USED OIL PROCESSOR: NO

FURNACE EXEMPTION: NO

USED OIL FUEL MARKETER TO BURNER: NO

USED OIL REFINER: NO

SPECIFICATION USED OIL MARKETER: NO

USED OIL TRANSFER FACILITY: NO

USED OIL TRANSPORTER: NO

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

11/18/2011 CEI COMPLIANCE EVALUATION INSPECTION ON-SITE

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

F002 THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

F004 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

MAP ID# 13

Distance from Property: 0.084 mi. (444 ft.) S

FACILITY INFORMATION

EPA ID#: FLR000033134

NAME: UNITED WHOLESALE

ADDRESS: 1027 SW 30TH AVE

DEERFIELD BEACH, FL 33442-8104

CONTACT NAME: ROSEMARY PAPEO

CONTACT ADDRESS: 1027 SW 30TH AVE

DEERFIELD BEACH FL 33442-8104

CONTACT PHONE: 954-360-7500

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 01/07/1998

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Historical Dry Cleaners (HISTCLEANERS)

[MAP ID# 14](#)

Distance from Property: 0.087 mi. (459 ft.) S

FACILITY INFORMATION

GS ID: 9800676HIST

FACILITY ID: 9800676

FACILITY NAME: BROTHERS DRY CLEANING INC

ADDRESS: 1141-1145 S MILITARY TRL
DEERFIELD BEACH , FL 33442

TANK VESSEL INDICATOR: DRUM

FACILITY DETAILS

PLACEMENT: ABOVEGROUND

TANK STATUS: REMOVED FROM SITE

SUBSTANCES: DRYCLEAN PETROLEUM

QUANTITY (GALLONS): NOT REPORTED

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 14

Distance from Property: 0.087 mi. (459 ft.) S

FACILITY INFORMATION

EPA ID#: FLR000198986

NAME: WAL-MART NEIGHBORHOOD MARKET #3104

ADDRESS: 1101 S MILITARY TRL

DEERFIELD BEACH, FL 33442-7645

CONTACT NAME: REBECCA HAYNIE

CONTACT ADDRESS: 1101 S MILITARY TRAIL

DEERFIELD BEACH FL 33442-0000

CONTACT PHONE: 850-245-8707

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 04/08/2013

OWNER TYPE: PRIVATE

OWNER NAME: WAL MART STORES EAST LP

OPERATOR TYPE: PRIVATE

OPERATOR NAME: WAL MART STORES EAST LP

CERTIFICATION

CERTIFICATION NAME:

CERTIFICATION TITLE:

CERTIFICATION SIGNED DATE:

REBECCA HAYNIE

SENIOR MGR

03/28/2013

INDUSTRY CLASSIFICATION (NAICS)

452311 -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **02/23/2018**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - **NO EVALUATIONS REPORTED -**

VIOLATIONS - **NO VIOLATIONS REPORTED -**

ENFORCEMENTS - **NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

D001 IGNITABLE WASTE

D002 CORROSIVE WASTE

D003 REACTIVE WASTE

D004 ARSENIC

D005 BARIUM

Resource Conservation & Recovery Act - Generator (RCRAGR04)

D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D016	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
D018	BENZENE
D022	CHLOROFORM
D024	M-CRESOL
D026	CRESOL
D027	1,4-DICHLOROBENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D043	VINYL CHLORIDE
P001	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
P001	WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
P075	NICOTINE, & SALTS
P075	PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
U002	2-PROPANONE (I)
U002	ACETONE (I)
U034	ACETALDEHYDE, TRICHLORO-
U034	CHLORAL
U035	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
U035	CHLORAMBUCIL
U058	2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,NBIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE
U058	CYCLOPHOSPHAMIDE
U072	BENZENE, 1,4-DICHLORO-
U072	P-DICHLOROBENZENE
U080	METHANE, DICHLORO-
U080	METHYLENE CHLORIDE
U089	DIETHYLSTILBESTEROL
U089	PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-
U122	FORMALDEHYDE
U129	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)-
U129	LINDANE
U132	HEXACHLOROPHENE
U132	PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
U134	HYDROFLUORIC ACID (C,T)
U134	HYDROGEN FLUORIDE (C,T)
U150	L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]-
U150	MELPHALAN
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)
U159	2-BUTANONE (I,T)

Resource Conservation & Recovery Act - Generator (RCRAGR04)

U159 METHYL ETHYL KETONE (MEK) (I,T)
U165 NAPHTHALENE
U182 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL-
U182 PARALDEHYDE
U188 PHENOL
U200 RESERPINE
U200 YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
U205 SELENIUM SULFIDE
U205 SELENIUM SULFIDE SES2 (R,T)
U210 ETHENE, TETRACHLORO-
U240 2,4-D, SALTS & ESTERS
U240 ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS
U249 ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS
U279
U409 CARBAMIC ACID, [1,2-PHENYLENE BIS(IMINOCARBONOTHIOL)]BIS-, DIMETHYL ESTER
U409 THIOPHANATE-METHYL

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

MAP ID# 14

Distance from Property: 0.087 mi. (459 ft.) S

FACILITY INFORMATION

EPA ID#: FLR000063537

NAME: ONE PRICE DRY CLEANER

ADDRESS: 1145 S MILITARY TRL
DEERFIELD BEACH, FL 33442-7645

CONTACT NAME: KOUROSH ALIPOUR

CONTACT ADDRESS: 1145 S MILITARY TRL
DEERFIELD BEACH FL 33442-7645

CONTACT PHONE: 954-481-1720

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 11/18/2011

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **01/07/2013**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

11/18/2011 CEI COMPLIANCE EVALUATION INSPECTION ON-SITE

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Solid Waste Facilities (SWF)

MAP ID# 14

Distance from Property: 0.087 mi. (459 ft.) S

INCIDENT INFORMATION

FACILITY ID: 97406

FACILITY NAME: GLOBAL MEDIA GROUP, INC.

ADDRESS: 1121 S. MILITARY TRAIL #301

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

RESPONSIBLE NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

SUPERVISOR INFORMATION

SUPERVISOR NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

OWNER INFORMATION

OWNER NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

FACILITY STATUS:

INACTIVE

CLASS:

WASTE TIRE COLLECTOR

CLASS STATUS:

INACTIVE (I)

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Brownfield Areas (BF)

[MAP ID# 15](#)

Distance from Property: 0.1 mi. (528 ft.) S

FACILITY INFORMATION

AREA ID: **BF060501000**

AREA NAME: **TURNER ENVIROLOGIC AREA**

CITY: **DEERFIELD BEACH**

COUNTY: **BROWARD**

DEP DISTRICT: **SOUTHEAST**

RESOLUTION NUMBER: **2005-179**

ORIGINAL RESOLUTION DATE: **2005-10-18T00:00:00.000Z**

ACREAGE: **4.68307**

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Some records may not have additional documentation available from the Oculus Website

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Broward County Contaminated Sites (BCBF)

MAP ID# 16

Distance from Property: 0.139 mi. (734 ft.) S

FACILITY INFORMATION

SITE ID: **0762BCBF**

FACILITY NAME: **EAST COAST ASPHALT CORPRN**

ADDRESS: **3300 SW 11TH ST**

DEERFIELD BEACH , FL 33442

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **068944925**

SITE PROGRAM TYPE: **STATE PETROLEUM CLEANUP PROGRAM**

FACILITY TYPE: **FUEL FACILITY**

POLLUTANT: **DIESEL**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Contaminated Sites (BCBF)

MAP ID# 16

Distance from Property: 0.139 mi. (734 ft.) S

FACILITY INFORMATION

SITE ID: **762BCBF**

FACILITY NAME: **EAST COAST ASPHALT CORPRN**

ADDRESS: **3300 SW 11TH ST**

DEERFIELD BEACH , FL 33442

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **68944925**

SITE PROGRAM TYPE: **STATE PETROLEUM CLEANUP PROGRAM**

FACILITY TYPE: **FUEL FACILITY**

POLLUTANT: **DIESEL**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Storage Tanks (BCST)

MAP ID# 16

Distance from Property: 0.139 mi. (734 ft.) S

FACILITY INFORMATION

FACILITY ID: **00954BCST**

DEP ID: **068944925**

FACILITY NAME: **EAST COAST ASPHALT CORP.**

ADDRESS: **3300 SW 11TH ST**

DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: **00954-01**

TANK LOCATION: **ABOVE GROUND**

STATUS: **B. REMOVED FROM SITE**

CONTENT: **D. VEHICULAR DIESEL**

TANK SIZE: **4000**

INSTALLED DATE: **12/31/1969**

CONSTRUCTION: **C. STEEL**

TANK NUMBER: **00954-02**

TANK LOCATION: **ABOVE GROUND**

STATUS: **B. REMOVED FROM SITE**

CONTENT: **M. FUEL OIL: ON-SITE HEATING O**

TANK SIZE: **12000**

INSTALLED DATE: **12/31/1969**

CONSTRUCTION: **C. STEEL**

TANK NUMBER: **00954-03**

TANK LOCATION: **ABOVE GROUND**

STATUS: **B. REMOVED FROM SITE**

CONTENT: **CLOSURE**

TANK SIZE: **25000**

INSTALLED DATE: **12/31/1969**

CONSTRUCTION: **C. STEEL**

[Back to Report Summary](#)

Brownfields Management System (BF)

MAP ID# 16

Distance from Property: 0.139 mi. (734 ft.) S

SITE INFORMATION

ID#: 31481

NAME: FORMER EAST COAST ASPHALT

ADDRESS: 3300 SW 11TH STREET
DEERFIELD BEACH, FL 33442

TYPE FUNDING: N/A

PREDOMINANT PAST USE (ACREAGE):

GREENSPACE:
NOT REPORTED

RESIDENTIAL:
NOT REPORTED

COMMERCIAL:
NOT REPORTED

INDUSTRIAL:
NOT REPORTED

FUTURE USE (ACREAGE):

GREENSPACE:
NOT REPORTED

RESIDENTIAL:
NOT REPORTED

COMMERCIAL:
NOT REPORTED

INDUSTRIAL:
NOT REPORTED

PROPERTY HIGHLIGHT:

NOT REPORTED

PROPERTY SIZE (Acres): 4.7

CURRENT OWNER: TURNER ENVIROLOGIC

PROPERTY DESCRIPTION/ FORMER USE:

FORMER ASPHALT PLANT WITH ASTS & MAINTENANCE SHOP AND OTHER BLDGS

CONTAMINATE(S): PETROLEUM, , OTHER

CONTAMINATE(S) CLEANED UP: PETROLEUM, , OTHER

MEDIA(S) AFFECTED: SOIL, GROUND WATER

MEDIA(S) CLEANED UP: SOIL, GROUND WATER

TYPE OF BROWNFIELD GRANT: SECTION 128(A) STATE/TRIBAL

ENVIRONMENTAL ASSESSMENT ACTIVITY: PHASE II ENVIRONMENTAL ASSESSMENT

ASSESSMENT START DATE: 9/1/2005 0:00

ASSESSMENT COMPLETION DATE: 9/1/2005 0:00

CLEANUP REQUIRED: UNKNOWN

STATE & TRIBAL ENROLLMENT ID: NOT REPORTED

STATE & TRIBAL ENROLLMENT DATE: NOT REPORTED

PROPERTY ENROLLED IN A STATE & TRIBAL PROGRAM?: NOT REPORTED

ARE INSTITUTIONAL CONTROLS REQUIRED?: NOT REPORTED

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 16

Distance from Property: 0.139 mi. (734 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: 8944925LUAST

FACILITY ID: 8944925

FACILITY NAME: EAST COAST ASPHALT CORP

ADDRESS: 3300 SW 11TH ST

DEERFIELD BEACH , FL 33442-8145 BROWARD COUNTY

FACILITY STATUS: **CLOSED**

FACILITY TYPE: **E - INDUSTRIAL PLANT**

FACILITY PHONE: (954)731-3133

FACILITY CLEANUP RANK: 8533

DISTRICT: **SOUTHEAST DISTRICT**

SCORE: 25

SCORE EFFECTIVE DATE: 02/23/2010

SCORE WHEN RANKED: 10

OPERATOR: **LESLIE ARMBRUSTER**

NAME CHANGED: **NOT REPORTED**

ADDRESS CHANGED: **NOT REPORTED**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: EAST COAST ASPHALT CORP

ADDRESS: PO BOX 5066

FORT LAUDERDALE , FL 33310

CONTACT: **JERRY ARGENIO**

PHONE: (305)731-3133

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: 08/31/1989

CLEANUP REQUIRED: **R - CLEANUP REQUIRED**

CLEANUP WORK STATUS: **INACTIVE**

INFORMATION SOURCE: **Z - OTHER**

SITE MANAGER: **ADAK_P**

SCORE: 25

RANK: 8533

CONTAMINATED DRINKING WELLS: **NOT REPORTED**

CONTAMINATED MONITORING WELLS: **YES**

CONTAMINATED SOIL: **YES**

CONTAMINATED SURFACE WATER: **NO**

CONTAMINATED GROUND WATER: **YES**

POLLUTANT: **D - VEHICULAR DIESEL**

OTHER DESCRIPTION: **NOT REPORTED**

GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **PNTD - PARTIAL ELIGIBILITY - NO TASK LEVEL DATA**

CLEANUP STATUS DATE: 05/14/1997

TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

OTHER SOURCE: **IRA REP**

SITE MANAGER END DATE: 06/15/2016

SCORE EFFECTIVE DATE: 02/23/2010

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **25257**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **RP - RESPONSIBLE PARTY**
SR SOIL REMOVAL: **YES**
SR FREE PRODUCT REMOVAL: **YES**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **92832**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NOT REPORTED** REMEDIATION ACTION PLAN (RAP) TASK ID: **NOT REPORTED**
SRC SUBMIT DATE: **NOT REPORTED** RAP COMPLETION DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED** RAP CLEANUP RESPONSIBLE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**
SRC COMPLETION STATUS: **NOT REPORTED** REMEDIATION ACTION (RA) TASK ID: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED** RA CLEANUP RESPONSIBLE: **NOT REPORTED**
SRC COMMENTS: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **08/31/1989**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **PNTD - PARTIAL ELIGIBILITY - NO TASK LEVEL DATA**
DISCHARGE CLEANUP DATE: **05/14/1997**
CLEANUP WORK STATUS: **INACTIVE**
INFORMATION SOURCE: **Z - OTHER**
OTHER SOURCE: **IRA REP**
SCORE: **25**
SCORE EFFECTIVE DATE: **02/23/2010**
RANK: **8533**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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National Pollutant Discharge Elimination System Facilities (NPDES)

[MAP ID# 17](#)

Distance from Property: 0.1 mi. (528 ft.) S

FACILITY INFORMATION

FACILITY ID: **FLR10LF09**

FACILITY NAME: **POWERLINE INDUSTRIAL PARK DRAINAGE IMPROVEMENTS**

ADDRESS: **NOT REPORTED**

DEERFIELD BEACH , FL 33442

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION STORMWATER GP**

STATUS: **ACTIVE**

OWNERSHIP: **PRIVATE**

COMPANY NAME: **JMS CONSTRUCTION SERVICES INC.**

RELATED PARTY NAME: **FREDDY PEREZ, PMTE**

RELATED PARTY ADDRESS: **4420 PETERS RD**

PLANTATION FL 33317-4545

RELATED PARTY PHONE: **NOT REPORTED**

RELATED PARTY EMAIL: **FREDDY.PEREZ@JMSPAVING.COM**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **12/31/2011**

DATE OF EXPIRATION: **12/30/2016**

NATURE OF BUSINESS: **N/A**

TREATMENT: **N/A**

CAPACITY: **N/A**

DOMESTIC WASTEWATER FACILITY CLASS: **N/A**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 18

Distance from Property: 0.116 mi. (612 ft.) N

FACILITY INFORMATION

FACILITY ID: FLRNEE936

FACILITY NAME: REAGAN WIRELESS

ADDRESS: 720 S POWERLINE RD STE D STE D
DEERFIELD BEACH , FL

COUNTY: BROWARD

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: STORMWATER NO EXPOSURE CERTIFICATION

STATUS: ACTIVE

OWNERSHIP: PRIVATE

COMPANY NAME: REAGAN WIRELESS

RELATED PARTY NAME: DANIEL KAUFMAN, PRESIDENT

RELATED PARTY ADDRESS: 720 S POWERLINE RD STE D
DEERFIELD BEACH FL 33442-8156

RELATED PARTY PHONE: 9545962355

RELATED PARTY EMAIL: NC@REAGANWIRELESS.COM

PERMIT TYPE: GENERIC PERMIT

DATE OF ISSUE: 11/6/2016

DATE OF EXPIRATION: 11/5/2021

NATURE OF BUSINESS: NOT REPORTED

TREATMENT: NOT REPORTED

CAPACITY: NOT REPORTED

DOMESTIC WASTEWATER FACILITY CLASS: NOT REPORTED

OFFICE: TALLAHASSEE NPDES STORMWATER

FACILITY TYPE: STORMWATER NO EXPOSURE CERTIFICATION

STATUS: ACTIVE

OWNERSHIP: PRIVATE

COMPANY NAME: REAGAN WIRELESS

RELATED PARTY NAME: DANIEL KAUFMAN, PMTE

RELATED PARTY ADDRESS: 720 S POWERLINE RD STE D STE D
DEERFIELD BEACH FL 33442

RELATED PARTY PHONE: 9545962355

RELATED PARTY EMAIL: TOM@REAGANWIRELESS.COM

PERMIT TYPE: GENERIC PERMIT

DATE OF ISSUE: 4/14/2011

DATE OF EXPIRATION: 4/13/2016

NATURE OF BUSINESS: NOT REPORTED

TREATMENT: NOT REPORTED

CAPACITY: NOT REPORTED

DOMESTIC WASTEWATER FACILITY CLASS: NOT REPORTED

National Pollutant Discharge Elimination System Facilities (NPDES)

OFFICE: TALLAHASSEE NPDES STORMWATER

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 18

Distance from Property: 0.116 mi. (612 ft.) N

FACILITY INFORMATION

EPA ID#: FLR000215046

NAME: JKG GROUP INC

ADDRESS: 740 S POWERLINE RD
DEERFIELD BEACH, FL 33442-8113

CONTACT NAME: GARRETT MCKENZIE

CONTACT ADDRESS: 740 S POWERLINE RD
DEERFIELD BEACH FL 33442-8113

CONTACT PHONE: 561-702-5515

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 04/06/2015

OWNER TYPE: PRIVATE

OWNER NAME: QUIET WATERS BUSINESS PARK

OPERATOR TYPE: PRIVATE

OPERATOR NAME: BRUCE GITTLIN

CERTIFICATION

CERTIFICATION NAME: ROBERT WOODWARD
CERTIFICATION TITLE: PLANT MAINT MGR
CERTIFICATION SIGNED DATE: 04/02/2015

INDUSTRY CLASSIFICATION (NAICS)

323111 - COMMERCIAL GRAVURE PRINTING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: SMALL QUANTITY GENERATOR LAST UPDATED DATE: 12/14/2016

SUBJECT TO CORRECTIVE ACTION UNIVERSE: NO

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: NO

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: NO

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: NO

CORRECTIVE ACTION WORKLOAD UNIVERSE: NO

IMPORTER: NO

UNDERGROUND INJECTION: NO

MIXED WASTE GENERATOR: NO

UNIVERSAL WASTE DESTINATION FACILITY: NO

RECYCLER: NO

TRANSFER FACILITY: NO

TRANSPORTER: NO

USED OIL FUEL BURNER: NO

ONSITE BURNER EXEMPTION: NO

USED OIL PROCESSOR: NO

FURNACE EXEMPTION: NO

USED OIL FUEL MARKETER TO BURNER: NO

USED OIL REFINER: NO

SPECIFICATION USED OIL MARKETER: NO

USED OIL TRANSFER FACILITY: NO

USED OIL TRANSPORTER: NO

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Generator (RCRAGR04)

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 18

Distance from Property: 0.116 mi. (612 ft.) N

FACILITY INFORMATION

EPA ID#: FLT080079486

NAME: DANA CLASSIC FRAGRANCES INC

ADDRESS: 720 S POWERLINE RD SUITE D

DEERFIELD BEACH, FL 33442-8156

CONTACT NAME: JEFFREY B MCGOVERN

CONTACT ADDRESS: 720 SOUTH POWERLINE ROAD SUITE D

DEERFIELD BEACH FL 33442

CONTACT PHONE: 954-725-6812

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 02/11/2008

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

MAP ID# 18

Distance from Property: 0.116 mi. (612 ft.) N

FACILITY INFORMATION

EPA ID#: FLR000152777

NAME: DANA CLASSIC FRAGRANCES INC

ADDRESS: 720 S POWERLINE RD SUITE D
DEERFIELD BEACH, FL 33442-8156

CONTACT NAME: JOSEPH C SIENKIEWICZ

CONTACT ADDRESS: 720 S POWERLINE RD SUITE D
DEERFIELD BEACH FL 33442-8156

CONTACT PHONE: 954-547-6922

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 03/26/2010

OWNER TYPE: PRIVATE

OWNER NAME: QUIET WATERS BUSINESS PARK

OPERATOR TYPE: PRIVATE

OPERATOR NAME: JOSEPH SIENKIEWICZ

CERTIFICATION

CERTIFICATION NAME:

CERTIFICATION TITLE:

CERTIFICATION SIGNED DATE:

JOSEPH C SIENKIEWICZ

CFO

03/25/2010

JOSEPH C SIENKEWICZ

CHIEF FINANCIAL OFFICER

01/22/2010

INDUSTRY CLASSIFICATION (NAICS)

44612 - COSMETICS, BEAUTY SUPPLIES, AND PERFUME STORES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

03/12/2009 CEI COMPLIANCE EVALUATION INSPECTION ON-SITE

VIOLATIONS

03/12/2009 262.C GENERATORS - PRE-TRANSPORT

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Underground Storage Tanks (UST)

MAP ID# 18

Distance from Property: 0.116 mi. (612 ft.) N

FACILITY INFORMATION

FACILITY ID: 8732025

FACILITY NAME: KRAFT NURSERY INC

ADDRESS: 750 S POWERLINE RD
DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: CLOSED

CONTACT: ALBERT H. KRAFT JR.

PHONE: (305) 421-6960

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	1000	LEADED GAS	01-JUN-1976	UNDERGROUND	CLOSED IN PLACE/NR

TANK CONSTRUCTION INFORMATION

- NO CONSTRUCTION INFORMATION REPORTED

TANK PIPING INFORMATION

- NO PIPING INFORMATION REPORTED

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: KRAFT NURSERY INC

OWNER ADDRESS: 750 S POWERLINE RD
DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Mineral Resource Data System (MRDS)

MAP ID# 19

Distance from Property: 0.116 mi. (612 ft.) N

FACILITY INFORMATION

GEOSEARCH ID: 10240603

DEP ID: 10240603

MINE NAME: DEERFIELD QUARRY

ADDRESS: BROWARD COUNTY
DEERFIELD BEACH, FL 33442

DEVELOPMENT STATUS: PRODUCER

COMMODITY DETAILS

COMMODITY: STONE, CRUSHED/BROKEN

COMMODITY TYPE: NON-METALLIC

COMMODITY GROUP: STONE, CRUSHED

IMPORTANCE: PRIMARY

MATERIAL DETAILS NO MATERIAL DETAILS REPORTED

NAME DETAILS

SITE NAME: DEERFIELD QUARRY

STATUS: CURRENT

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 20

Distance from Property: 0.116 mi. (612 ft.) S

FACILITY INFORMATION

EPA ID#: FLR000091751

NAME: INTERIOR DESIGN CENTER

ADDRESS: 1100 S POWERLINE RD

DEERFIELD BEACH, FL 33062

CONTACT NAME: URI GAVISH

CONTACT ADDRESS: 12366 CASCADES POINTE DR

BOCA RATON FL 33428-4852

CONTACT PHONE: 954-520-0806

NON-NOTIFIER: NON-NOTIFIER

DATE RECEIVED BY AGENCY: 08/16/2002

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

08/16/2002 CEI COMPLIANCE EVALUATION INSPECTION ON-SITE

VIOLATIONS

08/16/2002 261.A LISTING - GENERAL

ENFORCEMENTS

08/16/2002 105 NOT REPORTED

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Generator (RCRAGR04)

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 21

Distance from Property: 0.118 mi. (623 ft.) NE

FACILITY INFORMATION

EPA ID#: FLTMP8901789

NAME: ICL CORP

ADDRESS: 774 S MILITARY TRL

DEERFIELD BEACH, FL 33442-3025

OWNER TYPE: NOT REPORTED

OWNER NAME: NOT REPORTED

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

CONTACT NAME: NOT REPORTED

CONTACT ADDRESS: NOT REPORTED

CONTACT PHONE: NOT REPORTED

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 01/18/1989

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 21

Distance from Property: 0.118 mi. (623 ft.) NE

FACILITY INFORMATION

EPA ID#: FLTMP9304149

NAME: METPATH

ADDRESS: 858 S MILITARY TRL

DEERFIELD BEACH, FL 33442-2985

OWNER TYPE: NOT REPORTED

OWNER NAME: NOT REPORTED

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

CONTACT NAME: NOT REPORTED

CONTACT ADDRESS: NOT REPORTED

CONTACT PHONE: NOT REPORTED

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 03/24/1993

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

[Back to Report Summary](#)

Resource Conservation & Recovery Act - Non-Generator (RCRANGR04)

MAP ID# 21

Distance from Property: 0.118 mi. (623 ft.) NE

FACILITY INFORMATION

EPA ID#: FLD984168575

NAME: ICL CORP

ADDRESS: 774 S MILITARY TRL

DEERFIELD BEACH, FL 33442-3025

OWNER TYPE: PRIVATE

OWNER NAME: ROBERT FARRELL

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

CONTACT NAME: ROBERT FARRELL

CONTACT ADDRESS: 774 S MILITARY TRL

DEERFIELD BEACH FL 33442-3025

CONTACT PHONE: 305-481-2442

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 10/04/1995

CERTIFICATION - NO CERTIFICATION REPORTED -

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED -

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/23/2011**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

10/04/1995 CEI COMPLIANCE EVALUATION INSPECTION ON-SITE

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 22

Distance from Property: 0.12 mi. (634 ft.) S

FACILITY INFORMATION

FACILITY ID: **FLR10BK79**

FACILITY NAME: **TOWNSEND SQUARE**

ADDRESS: **1101 S POWERLINE RD
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

FACILITY DETAILS

FACILITY TYPE: **CONSTRUCTION STORMWATER GP**

STATUS: **ACTIVE**

OWNERSHIP: **PRIVATE**

COMPANY NAME: **HEAD, INC**

RELATED PARTY NAME: **JIM ADAMS, PRESIDENT**

RELATED PARTY ADDRESS: **3701 FAU BLVD SUITE 205
BOCA RATON FL 33431**

RELATED PARTY PHONE: **5613507827**

RELATED PARTY EMAIL: **NOT REPORTED**

PERMIT TYPE: **GENERIC PERMIT**

DATE OF ISSUE: **9/14/2005**

DATE OF EXPIRATION: **9/13/2010**

NATURE OF BUSINESS: **N/A**

TREATMENT: **N/A**

CAPACITY: **N/A**

DOMESTIC WASTEWATER FACILITY CLASS: **N/A**

OFFICE: **TALLAHASSEE NPDES STORMWATER**

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Aboveground Storage Tanks (AST)

MAP ID# 23

Distance from Property: 0.131 mi. (692 ft.) S

FACILITY INFORMATION

FACILITY ID: 9401000

FACILITY NAME: MAN-CON INC

ADDRESS: 3460 SW 11TH ST

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: OPEN

CONTACT: GUY A MANCINI

PHONE: (954) 983-9806

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	1000	VEHICULAR DIESEL	01-MAR-1994	ABOVEGROUND	IN SERVICE/NR

TANK CONSTRUCTION INFORMATION

TANK #: CONSTRUCTION:

1 A - BALL CHECK VALVE

1 C - STEEL

1 R - DOUBLE WALL - TANK JACKET

TANK PIPING INFORMATION

TANK #: PIPING:

1 A - ABV, NO SOIL CONTACT

1 B - STEEL/GALVANIZED METAL

1 D - EXTERNAL PROTECTIVE COATING

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: MAN-CON INC

OWNER ADDRESS: 3460 SW 11TH

DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Broward County Storage Tanks (BCST)

MAP ID# 23

Distance from Property: 0.131 mi. (692 ft.) S

FACILITY INFORMATION

FACILITY ID: **01022BCST**

DEP ID: **069401000**

FACILITY NAME: **MAN-CON, INC.**

ADDRESS: **3460 SW 11TH ST
DEERFIELD BEACH, 33442**

FACILITY DETAILS

TANK NUMBER: **01022-01**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **D. VEHICULAR DIESEL**

TANK SIZE: **1000**

INSTALLED DATE: **7/9/1994**

CONSTRUCTION: **C. STEEL**

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Solid Waste Facilities (SWF)

MAP ID# 23

Distance from Property: 0.131 mi. (692 ft.) S

INCIDENT INFORMATION

FACILITY ID: 54871

FACILITY NAME: STAN FREITAG EQUIPMENT RENTAL, INC.

ADDRESS: 3460 SW 11TH STREET

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

RESPONSIBLE NAME: STAN FREITAG EQUIPMENT RENTAL

ADDRESS: 3460 SW 11TH STREET

DEERFIELD BCH, FL 33442

PHONE: 9546989354

SUPERVISOR INFORMATION

SUPERVISOR NAME: STAN FREITAG

ADDRESS: STREET NOT REPORTED

PHONE: 9546989354

OWNER INFORMATION

OWNER NAME: NOT REPORTED

ADDRESS: STREET NOT REPORTED

PHONE: NOT REPORTED

FACILITY STATUS:

NFA,NO FURTHER ACTION

CLASS:

MATERIAL RECOVERY FACILITY -
CLASS I & III

CLASS STATUS:

NFA,NO FURTHER ACTION (F)

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Broward County Contaminated Sites (BCBF)

MAP ID# 24

Distance from Property: 0.131 mi. (692 ft.) ENE

FACILITY INFORMATION

SITE ID: **2768ABCBF**

FACILITY NAME: **TROLLEY TOURS**

ADDRESS: **998 S MILITARY TRL
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **068840464**

SITE PROGRAM TYPE: **STATE PETROLEUM CLEANUP PROGRAM**

FACILITY TYPE: **NOT REPORTED**

POLLUTANT: **PETROLEUM**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Storage Tanks (BCST)

MAP ID# 24

Distance from Property: 0.131 mi. (692 ft.) ENE

FACILITY INFORMATION

FACILITY ID: 13642BCST

DEP ID: NOT REPORTED

FACILITY NAME: NANAKS LANDSCAPING

ADDRESS: 998 S MILITARY TRL
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 13642-01

TANK LOCATION: ABOVE GROUND

STATUS: Z. TANK NO LONGER CONTAINS REGULATED SUBSTANCE

CONTENT: D. VEHICULAR DIESEL

TANK SIZE: 300

INSTALLED DATE: NOT REPORTED

CONSTRUCTION: C. STEEL

TANK NUMBER: 13642-02

TANK LOCATION: ABOVE GROUND

STATUS: Z. TANK NO LONGER CONTAINS REGULATED SUBSTANCE

CONTENT: D. VEHICULAR DIESEL

TANK SIZE: 300

INSTALLED DATE: NOT REPORTED

CONSTRUCTION: C. STEEL

TANK NUMBER: 13642-03

TANK LOCATION: ABOVE GROUND

STATUS: Z. TANK NO LONGER CONTAINS REGULATED SUBSTANCE

CONTENT: G. DIESEL; EMERGENCY GENERATOR

TANK SIZE: 250

INSTALLED DATE: NOT REPORTED

CONSTRUCTION: C. STEEL

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 24

Distance from Property: 0.131 mi. (692 ft.) ENE

FACILITY INFORMATION

GEOSEARCH ID: **8840464LUAST**

FACILITY ID: **8840464**

FACILITY NAME: **CEN-DEER MANAGEMENT INC**

ADDRESS: **998 S MILITARY TRL**

DEERFIELD BEACH , FL 33442-2987 BROWARD COUNTY

FACILITY STATUS: **CLOSED**

FACILITY TYPE: **C - FUEL USER/NON-RETAIL**

FACILITY PHONE: **(305)358-3000**

FACILITY CLEANUP RANK: **936**

DISTRICT: **SOUTHEAST DISTRICT**

SCORE: **75**

SCORE EFFECTIVE DATE: **05/18/2007**

SCORE WHEN RANKED: **74**

OPERATOR: **CEN-DEER MANAGEMENT, INC.**

NAME CHANGED: **05/31/2005**

ADDRESS CHANGED: **NOT REPORTED**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: **CEN DEER MANAGEMENT, INC**

ADDRESS: **998 S MILITARY TRL**

DEERFIELD BEACH , FL 33442

CONTACT: **DENNIS STOTTS**

PHONE: **(305)358-3000**

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: **10/01/1985**

CLEANUP REQUIRED: **R - CLEANUP REQUIRED**

CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **E - EDI**

SITE MANAGER: **SINGLETON_D**

SCORE: **75**

RANK: **936**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**

CONTAMINATED MONITORING WELLS: **YES**

CONTAMINATED SOIL: **YES**

CONTAMINATED SURFACE WATER: **NO**

CONTAMINATED GROUND WATER: **YES**

POLLUTANT: **Z - OTHER NON REGULATED**

OTHER DESCRIPTION: **NOT REPORTED**

GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **NFA - NFA COMPLETE**

CLEANUP STATUS DATE: **11/18/2011**

TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

OTHER SOURCE: **NOT REPORTED**

SITE MANAGER END DATE: **11/18/2011**

SCORE EFFECTIVE DATE: **05/18/2007**

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **78744**
SR COMPLETION DATE: **08-21-1986**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **265 GALS WASTE OIL**

SITE ASSESSMENT (SA) TASK ID: **78743**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NFA - REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED**
NO FURTHER ACTION

SRC SUBMIT DATE: **12-06-2010**
SRC REVIEW DATE: **06-27-2011**
SRC ISSUE DATE: **11-18-2011**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **06-27-2011**
SRC COMMENTS: **NOT REPORTED**

RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **88306**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **10/01/1985**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **NFA - NFA COMPLETE**
DISCHARGE CLEANUP DATE: **11/18/2011**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **E - EDI**
OTHER SOURCE: **NOT REPORTED**
SCORE: **75**
SCORE EFFECTIVE DATE: **05/18/2007**
RANK: **936**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Underground Storage Tanks (UST)

MAP ID# 24

Distance from Property: 0.131 mi. (692 ft.) ENE

FACILITY INFORMATION

FACILITY ID: 8840464

FACILITY NAME: CEN-DEER MANAGEMENT INC

ADDRESS: 998 S MILITARY TRL

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: CLOSED

CONTACT: DENNIS STOTTS

PHONE: (305) 358-3000

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	888	LEADED GAS	NOT REPORTED UNDERGROUND		REMOVED FROM SITE/31-AUG-1986
2	888	UNLEADED GAS	NOT REPORTED UNDERGROUND		REMOVED FROM SITE/31-AUG-1986
3	888	VEHICULAR DIESEL	NOT REPORTED UNDERGROUND		REMOVED FROM SITE/31-AUG-1986
4	888	UNLEADED GAS	NOT REPORTED UNDERGROUND		REMOVED FROM SITE/31-AUG-1986

TANK CONSTRUCTION INFORMATION

- NO CONSTRUCTION INFORMATION REPORTED

TANK PIPING INFORMATION

- NO PIPING INFORMATION REPORTED

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: CEN DEER MANAGEMENT, INC

OWNER ADDRESS: 998 S MILITARY TRL

DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

DATE:	DESCRIPTION:	SCORE:	SCORE DATE:	STATUS DESCRIPTION:	STATUS DATE:
10/1/1985	CLEANUP REQUIRED	00075	18-MAY-2007	NFA COMPLETE	11/18/2011

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Broward County Storage Tanks (BCST)

MAP ID# 25

Distance from Property: 0.183 mi. (966 ft.) S

FACILITY INFORMATION

FACILITY ID: 03562BCST

DEP ID: 069801655

FACILITY NAME: DAYTIME GAS, INC

ADDRESS: 1201 S MILITARY TRL
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 03562-01

TANK LOCATION: UNDERGROUND

STATUS: U. IN-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 12000

INSTALLED DATE: 5/14/1999

CONSTRUCTION: E. FIBERGLASS

TANK NUMBER: 03562-02

TANK LOCATION: UNDERGROUND

STATUS: U. IN-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 10000

INSTALLED DATE: 5/14/1999

CONSTRUCTION: E. FIBERGLASS

TANK NUMBER: 03562-03

TANK LOCATION: UNDERGROUND

STATUS: U. IN-SERVICE

CONTENT: B. UNLEADED GASOLINE

TANK SIZE: 10000

INSTALLED DATE: 5/14/1999

CONSTRUCTION: E. FIBERGLASS

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Underground Storage Tanks (UST)

MAP ID# 25

Distance from Property: 0.183 mi. (966 ft.) S

FACILITY INFORMATION

FACILITY ID: 9801655

FACILITY NAME: MILITARY PETROLEUM LLC DBA CHEVRON

ADDRESS: 1201 S MILITARY TRL
DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: A-RETAIL STATION

STATUS: OPEN

CONTACT: MASSAYUKI ALVES

PHONE: (954) 421-1735

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	12000	VEHICULAR DIESEL	01-APR-1999	UNDERGROUND	IN SERVICE/01-APR-1999
2	10000	UNLEADED GAS	01-APR-1999	UNDERGROUND	IN SERVICE/01-APR-1999
3	10000	UNLEADED GAS	01-APR-1999	UNDERGROUND	IN SERVICE/01-APR-1999

TANK CONSTRUCTION INFORMATION

TANK #:	CONSTRUCTION:
1	A - BALL CHECK VALVE
1	F - FIBERGLASS CLAD STEEL
1	I - DOUBLE WALL
1	M - SPILL CONTAINMENT BUCKET
2	A - BALL CHECK VALVE
2	F - FIBERGLASS CLAD STEEL
2	I - DOUBLE WALL
2	M - SPILL CONTAINMENT BUCKET
3	A - BALL CHECK VALVE
3	F - FIBERGLASS CLAD STEEL
3	I - DOUBLE WALL
3	M - SPILL CONTAINMENT BUCKET

TANK PIPING INFORMATION

TANK #:	PIPING:
1	C - FIBERGLASS
1	F - DOUBLE WALL
1	J - PRESSURIZED PIPING SYSTEM
1	K - DISPENSER LINERS
2	C - FIBERGLASS
2	F - DOUBLE WALL
2	J - PRESSURIZED PIPING SYSTEM
2	K - DISPENSER LINERS
3	C - FIBERGLASS
3	F - DOUBLE WALL

Underground Storage Tanks (UST)

3 J - PRESSURIZED PIPING SYSTEM

3 K - DISPENSER LINERS

TANK MONITORING INFORMATION

TANK #:	MONITORING:
1	3 - ELECTRONIC MONITOR PIPE SUMPS
1	5 - ELECTRONIC MONITOR DISPENSER LINERS
1	E - MONITOR UST/LINER SPACE
1	F - MONITOR DBL WALL TANK SPACE
1	H - MECHANICAL LINE LEAK DETECTOR
1	J - MONITOR PIPING/LINER SPACE
1	L - AUTOMATIC TANK GAUGING - USTS
2	3 - ELECTRONIC MONITOR PIPE SUMPS
2	5 - ELECTRONIC MONITOR DISPENSER LINERS
2	E - MONITOR UST/LINER SPACE
2	F - MONITOR DBL WALL TANK SPACE
2	H - MECHANICAL LINE LEAK DETECTOR
2	J - MONITOR PIPING/LINER SPACE
2	L - AUTOMATIC TANK GAUGING - USTS
3	3 - ELECTRONIC MONITOR PIPE SUMPS
3	5 - ELECTRONIC MONITOR DISPENSER LINERS
3	E - MONITOR UST/LINER SPACE
3	F - MONITOR DBL WALL TANK SPACE
3	H - MECHANICAL LINE LEAK DETECTOR
3	J - MONITOR PIPING/LINER SPACE
3	L - AUTOMATIC TANK GAUGING - USTS

OWNER INFORMATION

OWNER NAME: K20 OIL LLC

OWNER ADDRESS: 1201 S MILITARY TRAIL
DEERFIELD BEACH FL 33442

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Dry Cleaners (CLEANERS)

MAP ID# 26

Distance from Property: 0.186 mi. (982 ft.) S

FACILITY INFORMATION

FACILITY ID: 9814593

FACILITY NAME: CACHE CLEANERS

ADDRESS: 1151 S POWERLINE RD
DEERFIELD BEACH , FL 33442

COUNTY: NOT REPORTED

CONTACT NAME: NOT REPORTED

CONTACT PHONE: (954)868-1213

FACILITY STATUS: OPEN

RELATED PARTY

RELATED PARTY ID: 70906

PRIMARY RELATED PARTY ROLE: FACILITY OWNER

RELATED PARTY NAME: DRYCLEAN & LAUNDRY EXPRESS INC

RELATED PARTY ADDRESS: 1151 S POWERLINE RD , DEERFIELD BCH , FL 33442

RELATED PHONE: (954)868-1213

START DATE: 03-JUN-15

RELATED PARTY ID: 70906

PRIMARY RELATED PARTY ROLE: ACCOUNT OWNER

RELATED PARTY NAME: DRYCLEAN & LAUNDRY EXPRESS INC

RELATED PARTY ADDRESS: 1151 S POWERLINE RD , DEERFIELD BCH , FL 33442

RELATED PHONE: (954)868-1213

START DATE: 03-JUN-15

RELATED PARTY ID: 45385

PRIMARY RELATED PARTY ROLE: TANK OPERATOR

RELATED PARTY NAME: AJZ PROPERTIES LLC

RELATED PARTY ADDRESS: 10288 NW 63RD DR , DEERFIELD BCH , FL 33442

RELATED PHONE: (954)868-1213

START DATE: 03-JUN-15

RELATED PARTY ID: 45385

PRIMARY RELATED PARTY ROLE: PROPERTY OWNER

RELATED PARTY NAME: AJZ PROPERTIES LLC

RELATED PARTY ADDRESS: 10288 NW 63RD DR , DEERFIELD BCH , FL 33442

RELATED PHONE: (954)868-1213

START DATE: 03-JUN-15

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Aboveground Storage Tanks (AST)

MAP ID# 27

Distance from Property: 0.189 mi. (998 ft.) ENE

FACILITY INFORMATION

FACILITY ID: 8622498

FACILITY NAME: DEERFIELD BEACH CITY-WELL #17

ADDRESS: 994 S MILITARY TRL

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: H-LOCAL GOVERNMENT

STATUS: OPEN

CONTACT: FRANK CRISTIANO

PHONE: (954) 480-4370

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
17R	550	GENERATOR/PUMP DIESEL	01-OCT-1987	ABOVEGROUND	IN SERVICE/NR

TANK CONSTRUCTION INFORMATION

- NO CONSTRUCTION INFORMATION REPORTED

TANK PIPING INFORMATION

- NO PIPING INFORMATION REPORTED

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: DEERFIELD BCH CITY

OWNER ADDRESS: 401 SW 4TH ST

DEERFIELD BEACH FL 33441

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

DATE:	DESCRIPTION:	SCORE:	SCORE DATE:	STATUS DESCRIPTION:	STATUS DATE:
10/1/1985	CLEANUP REQUIRED	00074	03-AUG-2001	NFA COMPLETE	3/5/2007

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Registered Leaking Storage Tanks (LUAST)

[MAP ID# 27](#)

Distance from Property: 0.189 mi. (998 ft.) ENE

FACILITY INFORMATION

GEOSEARCH ID: 8622498LUAST

FACILITY ID: 8622498

FACILITY NAME: DEERFIELD BEACH CITY-WELL #17

ADDRESS: 994 S MILITARY TRL

DEERFIELD BEACH , FL 33442-2987 BROWARD COUNTY

FACILITY STATUS: OPEN

FACILITY TYPE: H - LOCAL GOVERNMENT

FACILITY PHONE: (954)480-4370

FACILITY CLEANUP RANK: 936

DISTRICT: SOUTHEAST DISTRICT

SCORE: 74

SCORE EFFECTIVE DATE: 08/03/2001

SCORE WHEN RANKED: 74

OPERATOR: DEERFIELD BEACH,CITY

NAME CHANGED: 06/02/2005

ADDRESS CHANGED: NOT REPORTED

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: DEERFIELD BCH CITY

ADDRESS: 401 SW 4TH ST

DEERFIELD BEACH , FL 33441

CONTACT: FRANK CRISTIANO

PHONE: (954)691-7260

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: 10/01/1985

CLEANUP REQUIRED: R - CLEANUP REQUIRED

CLEANUP WORK STATUS: COMPLETED

INFORMATION SOURCE: E - EDI

SITE MANAGER: THEISEN_MM

SCORE: 74

RANK: 936

CONTAMINATED DRINKING WELLS: NOT REPORTED

CONTAMINATED MONITORING WELLS: YES

CONTAMINATED SOIL: YES

CONTAMINATED SURFACE WATER: NO

CONTAMINATED GROUND WATER: YES

POLLUTANT: Z - OTHER NON REGULATED

OTHER DESCRIPTION: NOT REPORTED

GALLONS DISCHARGED: NOT REPORTED

CLEANUP STATUS: NFA - NFA COMPLETE

CLEANUP STATUS DATE: 03/05/2007

TANK OFFICE: PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT

OTHER SOURCE: NOT REPORTED

SITE MANAGER END DATE: 03/05/2007

SCORE EFFECTIVE DATE: 08/03/2001

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **80280**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NFA - REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED**
NO FURTHER ACTION

SRC SUBMIT DATE: **11-06-2006**
SRC REVIEW DATE: **12-20-2006**
SRC ISSUE DATE: **03-05-2007**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **02-01-2007**
SRC COMMENTS: **NOT REPORTED**

RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **80283**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **10/01/1985**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **NFA - NFA COMPLETE**
DISCHARGE CLEANUP DATE: **03/05/2007**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **E - EDI**
OTHER SOURCE: **NOT REPORTED**
SCORE: **74**
SCORE EFFECTIVE DATE: **08/03/2001**
RANK: **936**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Underground Storage Tanks (UST)

MAP ID# 27

Distance from Property: 0.189 mi. (998 ft.) ENE

FACILITY INFORMATION

FACILITY ID: 8622498

FACILITY NAME: DEERFIELD BEACH CITY-WELL #17

ADDRESS: 994 S MILITARY TRL

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: H-LOCAL GOVERNMENT

STATUS: OPEN

CONTACT: FRANK CRISTIANO

PHONE: (954) 480-4370

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
17	600	GENERATOR/PUMP DIESEL	01-JUL-1978	UNDERGROUND	REMOVED FROM SITE/31-OCT-1987

TANK CONSTRUCTION INFORMATION

- NO CONSTRUCTION INFORMATION REPORTED

TANK PIPING INFORMATION

- NO PIPING INFORMATION REPORTED

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: DEERFIELD BCH CITY

OWNER ADDRESS: 401 SW 4TH ST

DEERFIELD BEACH FL 33441

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

DATE:	DESCRIPTION:	SCORE:	SCORE DATE:	STATUS DESCRIPTION:	STATUS DATE:
10/1/1985	CLEANUP REQUIRED	00074	03-AUG-2001	NFA COMPLETE	3/5/2007

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Aboveground Storage Tanks (AST)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

FACILITY ID: 9809480

FACILITY NAME: PUBLIX SUPER MARKET #246

ADDRESS: 1337 S MILITARY TRL
DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: OPEN

CONTACT: MICHAEL HEWETT

PHONE: (954) 427-5828

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	1000	EMERG GENERATOR DIESEL	01-JUL-2007	ABOVEGROUND	IN SERVICE/01-JUL-2007

TANK CONSTRUCTION INFORMATION

TANK #:	CONSTRUCTION:
1	C - STEEL
1	I - DOUBLE WALL
1	M - SPILL CONTAINMENT BUCKET
1	P - LEVEL GAUGES/ALARMS

TANK PIPING INFORMATION

TANK #:	PIPING:
1	A - ABV, NO SOIL CONTACT
1	I - SUCTION PIPING SYSTEM

TANK MONITORING INFORMATION

TANK #:	MONITORING:
1	1 - CONTINUOUS ELECTRONIC SENSING
1	F - MONITOR DBL WALL TANK SPACE
1	Q - VISUAL INSPECTION OF ASTS

OWNER INFORMATION

OWNER NAME: PUBLIX SUPER MARKETS INC - ENVIRONMENTAL

OWNER ADDRESS: PO BOX 407
LAKELAND FL 33802

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Broward County Contaminated Sites (BCBF)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

SITE ID: **3544BCBF**

FACILITY NAME: **DRY CLEAN USA**

ADDRESS: **1379 S MILITARY TRL
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **069500804**

SITE PROGRAM TYPE: **STATE DRY CLEANING SOLVENT CLEANUP PROGRAM**

FACILITY TYPE: **DRY CLEANER**

POLLUTANT: **CHLORINATED**

LEAD AGENCY NAME: **DEPARTMENT OF ENVIRONMENTAL PROTECTION**

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Broward County Contaminated Sites (BCBF)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

SITE ID: **3665BCBF**

FACILITY NAME: **ONE STOP DRY CLEANERS**

ADDRESS: **1323 S MILITARY TRL**

DEERFIELD BEACH , FL 33442

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **069800735**

SITE PROGRAM TYPE: **STATE DRY CLEANING SOLVENT CLEANUP PROGRAM**

FACILITY TYPE: **DRY CLEANER**

POLLUTANT: **CHLORINATED**

LEAD AGENCY NAME: **DEPARTMENT OF ENVIRONMENTAL PROTECTION**

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Broward County Storage Tanks (BCST)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

FACILITY ID: 11230BCST

DEP ID: 069809480

FACILITY NAME: PUBLIX SUPER MARKETS, INC. #0246

ADDRESS: 1337 S MILITARY TRL
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 11230-01

TANK LOCATION: ABOVE GROUND

STATUS: U. IN-SERVICE

CONTENT: G. DIESEL; EMERGENCY GENERATOR

TANK SIZE: 1000

INSTALLED DATE: 8/16/2007

CONSTRUCTION: C. STEEL

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Dry Cleaners (CLEANERS)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

FACILITY ID: **9500804**

FACILITY NAME: **ONE STOP DRY CLEANER**

ADDRESS: **1323 S MILITARY TRL
DEERFIELD BEACH , FL 33442**

COUNTY: **NOT REPORTED**

CONTACT NAME: **YONG RYE KIM**

CONTACT PHONE: **(954)426-8573**

FACILITY STATUS: **OPEN**

RELATED PARTY

RELATED PARTY ID: **61083**

PRIMARY RELATED PARTY ROLE: **TANK OPERATOR**

RELATED PARTY NAME: **KIM YONG RYE**

RELATED PARTY ADDRESS: **143 RIVERWALK CIR , SUNRISE , FL 33326**

RELATED PHONE: **(954)384-4871**

START DATE: **27-FEB-09**

RELATED PARTY ID: **61083**

PRIMARY RELATED PARTY ROLE: **TANK OWNER**

RELATED PARTY NAME: **KIM YONG RYE**

RELATED PARTY ADDRESS: **143 RIVERWALK CIR , SUNRISE , FL 33326**

RELATED PHONE: **(954)384-4871**

START DATE: **16-APR-07**

RELATED PARTY ID: **61083**

PRIMARY RELATED PARTY ROLE: **FACILITY OWNER**

RELATED PARTY NAME: **KIM YONG RYE**

RELATED PARTY ADDRESS: **143 RIVERWALK CIR , SUNRISE , FL 33326**

RELATED PHONE: **(954)384-4871**

START DATE: **16-APR-07**

RELATED PARTY ID: **61083**

PRIMARY RELATED PARTY ROLE: **ACCOUNT OWNER**

RELATED PARTY NAME: **KIM YONG RYE**

RELATED PARTY ADDRESS: **143 RIVERWALK CIR , SUNRISE , FL 33326**

RELATED PHONE: **(954)384-4871**

START DATE: **16-APR-07**

RELATED PARTY ID: **46924**

PRIMARY RELATED PARTY ROLE: **PROPERTY OWNER**

RELATED PARTY NAME: **SAWGRASS PROMENADE INC**

RELATED PARTY ADDRESS: **2401 PGA BLVD , SUNRISE , FL 33326**

RELATED PHONE: **(561)624-9500**

START DATE: **29-JAN-98**

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Dry Cleaners (CLEANERS)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

FACILITY ID: 9800735

FACILITY NAME: ONE STEP DRY CLEANERS

ADDRESS: 1323 S MILITARY TRAIL
DEERFIELD BEACH , FL 33442

COUNTY: NOT REPORTED

CONTACT NAME: OK KIM

CONTACT PHONE: (954)426-8573

FACILITY STATUS: OPEN

RELATED PARTY

RELATED PARTY ID: 62363

PRIMARY RELATED PARTY ROLE: TANK OWNER

RELATED PARTY NAME: SELIM CORP

RELATED PARTY ADDRESS: 1323 S MILITARY TRAIL , DEERFIELD BEACH , FL 33442

RELATED PHONE: NOT REPORTED

START DATE: 19-FEB-08

RELATED PARTY ID: 62363

PRIMARY RELATED PARTY ROLE: FACILITY OWNER

RELATED PARTY NAME: SELIM CORP

RELATED PARTY ADDRESS: 1323 S MILITARY TRAIL , DEERFIELD BEACH , FL 33442

RELATED PHONE: NOT REPORTED

START DATE: 19-FEB-08

RELATED PARTY ID: 62363

PRIMARY RELATED PARTY ROLE: ACCOUNT OWNER

RELATED PARTY NAME: SELIM CORP

RELATED PARTY ADDRESS: 1323 S MILITARY TRAIL , DEERFIELD BEACH , FL 33442

RELATED PHONE: NOT REPORTED

START DATE: 19-FEB-08

RELATED PARTY ID: 46924

PRIMARY RELATED PARTY ROLE: PROPERTY OWNER

RELATED PARTY NAME: SAWGRASS PROMENADE INC

RELATED PARTY ADDRESS: 2401 PGA BLVD , DEERFIELD BEACH , FL 33442

RELATED PHONE: (561)624-9500

START DATE: 15-SEP-98

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Drycleaning Solvent Program Cleanup Sites (CLEANUPS)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

SITE ID: **000069500804** EPA ID: **FLR000161976**

FACILITY NAME: **DRYCLEAN USA**

ADDRESS: **1379 S MILITARY TRL
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DISTRICT: **SED**

PROGRAM: **DRYCLEANING**

STATUS: **CLEANEDUP**

MANAGER: **NOT REPORTED**

OPERATION: **DRYCLEANER CLEANUP SITE**

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Drycleaning Solvent Program Cleanup Sites (CLEANUPS)

MAP ID# 28

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

SITE ID: **000069800735** EPA ID: **FLR000048579**
FACILITY NAME: **ONE STOP DRY CLEANERS & SHOE REPAIR**
ADDRESS: **1323 S MILITARY TRL**
DEERFIELD BEACH , FL 33442
COUNTY: **BROWARD**
DISTRICT: **SED**
PROGRAM: **DRYCLEANING**
STATUS: **ACTIVE**
MANAGER: **BILLY HESSMAN**
OPERATION: **DRYCLEANER CLEANUP SITE**

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Historical Dry Cleaners (HISTCLEANERS)

[MAP ID# 28](#)

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

GS ID: 9500804HIST

FACILITY ID: 9500804

FACILITY NAME: ONE STOP DRY CLEANER

ADDRESS: 1323 S MILITARY TRL
DEERFIELD BEACH , FL 33442

TANK VESSEL INDICATOR: DRUM

FACILITY DETAILS

PLACEMENT: ABOVEGROUND

TANK STATUS: IN SERVICE

SUBSTANCES: TETRACHLOROETHYLENE

QUANTITY (GALLONS): NOT REPORTED

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Historical Dry Cleaners (HISTCLEANERS)

[MAP ID# 28](#)

Distance from Property: 0.198 mi. (1,045 ft.) S

FACILITY INFORMATION

GS ID: 9800735HIST

FACILITY ID: 9800735

FACILITY NAME: ONE STEP DRY CLEANERS

ADDRESS: 1323 S MILITARY TRAIL
DEERFIELD BEACH , FL 33442

TANK VESSEL INDICATOR: DRUM

FACILITY DETAILS

PLACEMENT: ABOVEGROUND

TANK STATUS: IN SERVICE

SUBSTANCES: TETRACHLOROETHYLENE

QUANTITY (GALLONS): NOT REPORTED

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Aboveground Storage Tanks (AST)

MAP ID# 29

Distance from Property: 0.206 mi. (1,088 ft.) S

FACILITY INFORMATION

FACILITY ID: 9803298

FACILITY NAME: REXALL SUNDOWN

ADDRESS: 1111 SW 30TH AVE

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: OPEN

CONTACT: ROY BIZJACK

PHONE: (954) 428-1193

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Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
EG-1	1000	EMERG GENERATOR DIESEL	01-FEB-1998	ABOVEGROUND	IN SERVICE/01-FEB-1998

TANK CONSTRUCTION INFORMATION

TANK #: CONSTRUCTION:

EG-1 C - STEEL

EG-1 I - DOUBLE WALL

EG-1 P - LEVEL GAUGES/ALARMS

TANK PIPING INFORMATION

TANK #: PIPING:

EG-1 A - ABV, NO SOIL CONTACT

EG-1 B - STEEL/GALVANIZED METAL

EG-1 D - EXTERNAL PROTECTIVE COATING

TANK MONITORING INFORMATION

TANK #: MONITORING:

EG-1 F - MONITOR DBL WALL TANK SPACE

EG-1 Q - VISUAL INSPECTION OF ASTS

OWNER INFORMATION

OWNER NAME: REXALL SUNDOWN CORP

OWNER ADDRESS: 901 BROKEN SOUND PKWY

BOCA RATON FL 33487

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Broward County Storage Tanks (BCST)

MAP ID# 29

Distance from Property: 0.206 mi. (1,088 ft.) S

FACILITY INFORMATION

FACILITY ID: **03057BCST**

DEP ID: **069803298**

FACILITY NAME: **REXALL SUNDOWN, INC.**

ADDRESS: **1111 SW 30TH AVE**

DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: **03057-01**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **G. DIESEL; EMERGENCY GENERATOR**

TANK SIZE: **1000**

INSTALLED DATE: **NOT REPORTED**

CONSTRUCTION: **C. STEEL**

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Broward County Storage Tanks (BCST)

MAP ID# 30

Distance from Property: 0.232 mi. (1,225 ft.) S

FACILITY INFORMATION

FACILITY ID: 01033BCST

DEP ID: 068627909

FACILITY NAME: HANSON ROOF TILE

ADDRESS: 1340 SW 34TH AVE
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 01033-01

TANK LOCATION: ABOVE GROUND

STATUS: B. REMOVED FROM SITE

CONTENT: W. PETROLEUM-BASE ADDITIVE PRO

TANK SIZE: 1500

INSTALLED DATE: 12/31/1981

CONSTRUCTION: E. FIBERGLASS

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 30

Distance from Property: 0.232 mi. (1,225 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: 8627909LUAST

FACILITY ID: 8627909

FACILITY NAME: HANSON ROOF TILE

ADDRESS: 1340 SW 34TH AVE

DEERFIELD BEACH , FL 33442-8141 BROWARD COUNTY

FACILITY STATUS: CLOSED

FACILITY TYPE: E - INDUSTRIAL PLANT

FACILITY PHONE: (954)421-2077

FACILITY CLEANUP RANK: 6077

DISTRICT: SOUTHEAST DISTRICT

SCORE: 29

SCORE EFFECTIVE DATE: 11/12/2001

SCORE WHEN RANKED: 29

OPERATOR: DAVE NEWTON

NAME CHANGED: 04/04/2002

ADDRESS CHANGED: NOT REPORTED

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: NEWTON, DAVE

ADDRESS: 1340 SW 34TH AVE

DEERFIELD BEACH , FL 33442

CONTACT: DAVE NEWTON

PHONE: (954)421-2077

CONTAMINATED MEDIA INFORMATION

- NO CONTAMINATED INFORMATION REPORTED

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: 93639

SR COMPLETION DATE: 07-19-1990

SR CLEANUP RESPONSIBLE: NOT REPORTED

SR SOIL REMOVAL: YES

SR FREE PRODUCT REMOVAL: NOT REPORTED

SR SOIL TREATMENT: NOT REPORTED

SR SOIL TONNAGE REMOVED: 289

SR SOIL TREATMENT: NOT REPORTED

SR OTHER TREATMENT: NOT REPORTED

SITE ASSESSMENT (SA) TASK ID: NOT REPORTED

SA COMPLETION DATE: NOT REPORTED

SA CLEANUP RESPONSIBLE: NOT REPORTED

SA FUNDING ELIGIBILITY TYPE: NOT REPORTED

SA ACTUAL COST: NOT REPORTED

SA PAYMENT DATE: NOT REPORTED

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: NOT REPORTED REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED

SRC SUBMIT DATE: NOT REPORTED

RAP COMPLETION DATE: NOT REPORTED

SRC REVIEW DATE: NOT REPORTED

RAP CLEANUP RESPONSIBLE: NOT REPORTED

SRC ISSUE DATE: NOT REPORTED

Registered Leaking Storage Tanks (LUAST)

SRC COMPLETION STATUS: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **NOT REPORTED**

SRC COMPLETION STATUS DATE: **NOT REPORTED**

RA CLEANUP RESPONSIBLE: **NOT REPORTED**

SRC COMMENTS: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **03/26/1990**

CLEANUP REQUIRED: **N - NO CLEANUP REQUIRED**

DISCHARGE CLEANUP STATUS: **NREQ - CLEANUP NOT REQUIRED**

DISCHARGE CLEANUP DATE: **08/02/2007**

CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**

OTHER SOURCE: **NOT REPORTED**

SCORE: **29**

SCORE EFFECTIVE DATE: **11/12/2001**

RANK: **6077**

TANK OFFICE: **-**

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Broward County Storage Tanks (BCST)

[MAP ID# 31](#)

Distance from Property: 0.238 mi. (1,257 ft.) S

FACILITY INFORMATION

FACILITY ID: 02858BCST

DEP ID: 068733265

FACILITY NAME: THE HORIZON CLUB

ADDRESS: 1208 S MILITARY TRL
DEERFIELD BEACH, 33442

FACILITY DETAILS

TANK NUMBER: 02858-01

TANK LOCATION: UNDERGROUND

STATUS: B. REMOVED FROM SITE

CONTENT: G. DIESEL; EMERGENCY GENERATOR

TANK SIZE: 250

INSTALLED DATE: 12/31/1988

CONSTRUCTION: NOT REPORTED

TANK NUMBER: 02858-02

TANK LOCATION: UNDERGROUND

STATUS: B. REMOVED FROM SITE

CONTENT: G. DIESEL; EMERGENCY GENERATOR

TANK SIZE: 250

INSTALLED DATE: 12/31/1988

CONSTRUCTION: NOT REPORTED

TANK NUMBER: 02858-03

TANK LOCATION: UNDERGROUND

STATUS: B. REMOVED FROM SITE

CONTENT: G. DIESEL; EMERGENCY GENERATOR

TANK SIZE: 250

INSTALLED DATE: 12/31/1987

CONSTRUCTION: NOT REPORTED

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 31

Distance from Property: 0.238 mi. (1,257 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: 8733265LUAST

FACILITY ID: 8733265

FACILITY NAME: MARRIOTT HORIZON CLUB

ADDRESS: 1208 S MILITARY TRL

DEERFIELD BEACH , FL 32442 BROWARD COUNTY

FACILITY STATUS: CLOSED

FACILITY TYPE: C - FUEL USER/NON-RETAIL

FACILITY PHONE: (954)351-1171

FACILITY CLEANUP RANK: 2150

DISTRICT: SOUTHEAST DISTRICT

SCORE: 59

SCORE EFFECTIVE DATE: 09/04/2002

SCORE WHEN RANKED: 59

OPERATOR: KEVIN KOENIG

NAME CHANGED: 02/24/1997

ADDRESS CHANGED: NOT REPORTED

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RESPONSIBLE PARTY

NAME: MARRIOTT CORP

ADDRESS: MARRIOTT DR

WASHINGTON , DC 20058

CONTACT: DENISE KISSANE

PHONE: (305)481-2304

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: 06/09/1998

CLEANUP REQUIRED: R - CLEANUP REQUIRED

CLEANUP WORK STATUS: COMPLETED

INFORMATION SOURCE: D - DISCHARGE NOTIFICATION

SITE MANAGER: THEISEN_MM

SCORE: 59

RANK: 2150

CONTAMINATED DRINKING WELLS: NOT REPORTED

CONTAMINATED MONITORING WELLS: NO

CONTAMINATED SOIL: YES

CONTAMINATED SURFACE WATER: NO

CONTAMINATED GROUND WATER: NO

POLLUTANT: G - EMERG GENERATOR DIESEL

OTHER DESCRIPTION: AMOUNT UNKNOWN

GALLONS DISCHARGED: NOT REPORTED

CLEANUP STATUS: SRCR - SRCR COMPLETE

CLEANUP STATUS DATE: 11/13/2006

TANK OFFICE: PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT

OTHER SOURCE: FROM OVA SOILS.

SITE MANAGER END DATE: 11/13/2006

SCORE EFFECTIVE DATE: 09/04/2002

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **66406**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE:
SRCR - SITE REHABILITATION COMPLETION REPORT
SRC SUBMIT DATE: **08-09-2006**
SRC REVIEW DATE: **09-06-2006**
SRC ISSUE DATE: **11-13-2006**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **10-25-2006**
SRC COMMENTS: **NOT REPORTED**

REMEDIATION ACTION PLAN (RAP) TASK ID: **62113**
RAP COMPLETION DATE: **10-04-2000**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**
REMEDIATION ACTION (RA) TASK ID: **65023**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **06/09/1998**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **SRCR - SRCR COMPLETE**
DISCHARGE CLEANUP DATE: **11/13/2006**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **FROM OVA SOILS.**
SCORE: **59**
SCORE EFFECTIVE DATE: **09/04/2002**
RANK: **2150**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Underground Storage Tanks (UST)

MAP ID# 31

Distance from Property: 0.238 mi. (1,257 ft.) S

FACILITY INFORMATION

FACILITY ID: 8733265

FACILITY NAME: MARRIOTT HORIZON CLUB

ADDRESS: 1208 S MILITARY TRL

DEERFIELD BEACH , FL 32442

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: CLOSED

CONTACT: DENISE KISSANE

PHONE: (954) 351-1171

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	250	EMERG GENERATOR DIESEL	01-DEC-1988	UNDERGROUND	REMOVED FROM SITE/29-JUN-1998
2	250	EMERG GENERATOR DIESEL	01-DEC-1985	UNDERGROUND	REMOVED FROM SITE/29-JUN-1998
3	250	EMERG GENERATOR DIESEL	01-DEC-1987	UNDERGROUND	REMOVED FROM SITE/29-JUN-1998

TANK CONSTRUCTION INFORMATION

- NO CONSTRUCTION INFORMATION REPORTED

TANK PIPING INFORMATION

- NO PIPING INFORMATION REPORTED

TANK MONITORING INFORMATION

- NO MONITORING INFORMATION REPORTED

OWNER INFORMATION

OWNER NAME: MARRIOTT CORP

OWNER ADDRESS: MARRIOTT DR

WASHINGTON DC 20058

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

DATE:	DESCRIPTION:	SCORE:	SCORE DATE:	STATUS DESCRIPTION:	STATUS DATE:
6/9/1998	CLEANUP REQUIRED	00059	04-SEP-2002	SRCR COMPLETE	11/13/2006

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Aboveground Storage Tanks (AST)

MAP ID# 32

Distance from Property: 0.243 mi. (1,283 ft.) S

FACILITY INFORMATION

FACILITY ID: 8944976

FACILITY NAME: HARDRIVES ASPHALT CO

ADDRESS: 1200 S POWERLINE RD

DEERFIELD BEACH , FL 33441

COUNTY: BROWARD

TYPE: C-FUEL USER/NON-RETAIL

STATUS: OPEN

CONTACT: NORMAN SURBER

PHONE: (561) 278-0456

Florida Oculus

Some records may not have additional documentation available from the Oculus Website

TANK INFORMATION (NOTE: CONSTRUCTION, PIPING, AND MONITORING INFO NOT SHOWN FOR CLOSED TANKS)

TANK #:	SIZE:	CONTENT:	INSTALLED:	PLACEMENT:	STATUS/DATE:
1	6500	VEHICULAR DIESEL	01-DEC-1974	ABOVEGROUND	IN SERVICE/NR
2	15000	OTHER NON REGULATED	01-DEC-1974	ABOVEGROUND	IN SERVICE/NR
3	12000	FUEL OIL - ONSITE HEAT	01-DEC-1974	ABOVEGROUND	IN SERVICE/NR
4	15000	OTHER NON REGULATED	01-DEC-1986	ABOVEGROUND	IN SERVICE/NR

TANK CONSTRUCTION INFORMATION

TANK #: CONSTRUCTION:

1 C - STEEL

1 K - AST CONTAINMENT

TANK PIPING INFORMATION

TANK #: PIPING:

1 A - ABV, NO SOIL CONTACT

TANK MONITORING INFORMATION

TANK #: MONITORING:

1 Q - VISUAL INSPECTION OF ASTS

OWNER INFORMATION

OWNER NAME: HARDRIVES ASPHALT CO

OWNER ADDRESS: 2101 S CONGRESS AVE

DELRAY BEACH FL 33445

REGULATED MINERAL ACID TANKS INFORMATION

- NO MINERAL ACID TANKS INFORMATION REPORTED

DISCHARGE INFORMATION

- NO DISCHARGE INFORMATION REPORTED

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Broward County Storage Tanks (BCST)

MAP ID# 32

Distance from Property: 0.243 mi. (1,283 ft.) S

FACILITY INFORMATION

FACILITY ID: **01802BCST**

DEP ID: **068944976**

FACILITY NAME: **HARDRIVES ASPHALT COMPANY**

ADDRESS: **1200 S POWERLINE RD
DEERFIELD BEACH, 33442**

FACILITY DETAILS

TANK NUMBER: **01802-01**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **NOT REPORTED**

TANK SIZE: **12000**

INSTALLED DATE: **12/31/1974**

CONSTRUCTION: **C. STEEL**

TANK NUMBER: **01802-02**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **NOT REPORTED**

TANK SIZE: **15000**

INSTALLED DATE: **12/31/1974**

CONSTRUCTION: **C. STEEL**

TANK NUMBER: **01802-03**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **D. VEHICULAR DIESEL**

TANK SIZE: **6500**

INSTALLED DATE: **12/31/1974**

CONSTRUCTION: **C. STEEL**

TANK NUMBER: **01802-04**

TANK LOCATION: **ABOVE GROUND**

STATUS: **U. IN-SERVICE**

CONTENT: **NOT REPORTED**

TANK SIZE: **30000**

INSTALLED DATE: **12/31/1986**

CONSTRUCTION: **C. STEEL**

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 33

Distance from Property: 0.257 mi. (1,357 ft.) W

FACILITY INFORMATION

GEOSEARCH ID: 9807332LUAST

FACILITY ID: 9807332

FACILITY NAME: MCFARLANE TRUCKING 03-21-0279

ADDRESS: DEERFIELD TOLL PLAZA E BOUND ON SAWGRASS
DEERFIELD BEACH , FL 33073 BROWARD COUNTY

FACILITY STATUS: CLOSED

FACILITY TYPE: Q - EMERGENCY RESPONSE SPILL SITE

FACILITY PHONE: NOT REPORTED

FACILITY CLEANUP RANK: NOT REPORTED

DISTRICT: SOUTHEAST DISTRICT

SCORE: NOT REPORTED

SCORE EFFECTIVE DATE: 01/11/2006

SCORE WHEN RANKED: NOT REPORTED

OPERATOR: NOT REPORTED

NAME CHANGED: NOT REPORTED

ADDRESS CHANGED: NOT REPORTED

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: MCFARLANE TRUCKING

ADDRESS: 2375 OAK CREEK CIR
MELBOURNE , FL 32935

CONTACT: JOSE MCFARLANE

PHONE: (321)299-0393

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: 09/26/2003

CLEANUP REQUIRED: N - NO CLEANUP REQUIRED

CLEANUP WORK STATUS: COMPLETED

INFORMATION SOURCE: R - EMERGENCY RESPONSE REPORT

SITE MANAGER: MELLACHERUVU_SX

SCORE: NOT REPORTED

RANK: NOT REPORTED

CONTAMINATED DRINKING WELLS: NOT REPORTED

CONTAMINATED MONITORING WELLS: NOT REPORTED

CONTAMINATED SOIL: YES

CONTAMINATED SURFACE WATER: NO

CONTAMINATED GROUND WATER: NOT REPORTED

POLLUTANT: D - VEHICULAR DIESEL

OTHER DESCRIPTION: DUMP TRUCK CLIPPED A CONCRETE ABUTMENT/TOLL PLAZA

GALLONS DISCHARGED: 40

CLEANUP STATUS: NREQ - CLEANUP NOT REQUIRED

CLEANUP STATUS DATE: 01/25/2011

TANK OFFICE: PCLP6 - BROWARD CNTY ENVIRONMENTAL
PROTECTION DEPT

OTHER SOURCE: BER

SITE MANAGER END DATE: 01/25/2011

SCORE EFFECTIVE DATE: 01/11/2006

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **NOT REPORTED**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NOT REPORTED** REMEDIATION ACTION PLAN (RAP) TASK ID: **NOT REPORTED**
SRC SUBMIT DATE: **NOT REPORTED** RAP COMPLETION DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED** RAP CLEANUP RESPONSIBLE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**
SRC COMPLETION STATUS: **NOT REPORTED** REMEDIATION ACTION (RA) TASK ID: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED** RA CLEANUP RESPONSIBLE: **NOT REPORTED**
SRC COMMENTS: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **09/26/2003**
CLEANUP REQUIRED: **N - NO CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **NREQ - CLEANUP NOT REQUIRED**
DISCHARGE CLEANUP DATE: **01/25/2011**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **R - EMERGENCY RESPONSE REPORT**
OTHER SOURCE: **BER**
SCORE: **NOT REPORTED**
SCORE EFFECTIVE DATE: **01/11/2006**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 34

Distance from Property: 0.39 mi. (2,059 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: 8735765LUAST

FACILITY ID: 8735765

FACILITY NAME: POWERMIX INDUSTRIES INC

ADDRESS: 3500 SW 14TH ST

DEERFIELD BEACH , FL 33442-8139 BROWARD COUNTY

FACILITY STATUS: OPEN

FACILITY TYPE: C - FUEL USER/NON-RETAIL

FACILITY PHONE: (954)421-1700

FACILITY CLEANUP RANK: 6077

DISTRICT: SOUTHEAST DISTRICT

SCORE: NOT REPORTED

SCORE EFFECTIVE DATE: 11/29/2001

SCORE WHEN RANKED: 29

OPERATOR: ALAN NEULANDER

NAME CHANGED: 12/01/2000

ADDRESS CHANGED: 08/22/2011

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: POWERMIX INDUSTRIES INC

ADDRESS: 3500 SW 14TH ST

DEERFIELD BEACH , FL 33442

CONTACT: GERARD PERRY

PHONE: (305)421-1700

CONTAMINATED MEDIA INFORMATION

- NO CONTAMINATED INFORMATION REPORTED

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: NOT REPORTED

SR COMPLETION DATE: NOT REPORTED

SR CLEANUP RESPONSIBLE: NOT REPORTED

SR SOIL REMOVAL: NOT REPORTED

SR FREE PRODUCT REMOVAL: NOT REPORTED

SR SOIL TREATMENT: NOT REPORTED

SR SOIL TONNAGE REMOVED: NOT REPORTED

SR SOIL TREATMENT: NOT REPORTED

SR OTHER TREATMENT: NOT REPORTED

SITE ASSESSMENT (SA) TASK ID: NOT REPORTED

SA COMPLETION DATE: NOT REPORTED

SA CLEANUP RESPONSIBLE: NOT REPORTED

SA FUNDING ELIGIBILITY TYPE: NOT REPORTED

SA ACTUAL COST: NOT REPORTED

SA PAYMENT DATE: NOT REPORTED

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: NOT REPORTED REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED

SRC SUBMIT DATE: NOT REPORTED

RAP COMPLETION DATE: NOT REPORTED

SRC REVIEW DATE: NOT REPORTED

RAP CLEANUP RESPONSIBLE: NOT REPORTED

SRC ISSUE DATE: NOT REPORTED

Registered Leaking Storage Tanks (LUAST)

SRC COMPLETION STATUS: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **NOT REPORTED**

SRC COMPLETION STATUS DATE: **NOT REPORTED**

RA CLEANUP RESPONSIBLE: **NOT REPORTED**

SRC COMMENTS: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **08/09/1991**

CLEANUP REQUIRED: **N - NO CLEANUP REQUIRED**

DISCHARGE CLEANUP STATUS: **NREQ - CLEANUP NOT REQUIRED**

DISCHARGE CLEANUP DATE: **08/08/2007**

CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**

OTHER SOURCE: **NOT REPORTED**

SCORE: **NOT REPORTED**

SCORE EFFECTIVE DATE: **11/29/2001**

RANK: **6077**

TANK OFFICE: -

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Broward County Contaminated Sites (BCBF)

MAP ID# 35

Distance from Property: 0.421 mi. (2,223 ft.) S

FACILITY INFORMATION

SITE ID: 1733BCBF

FACILITY NAME: POWERMIX INDUSTRIES

ADDRESS: 1450 SW 34TH AVE

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

DPEP FACILITY NUMBER: 069200314

SITE PROGRAM TYPE: STATE PETROLEUM CLEANUP PROGRAM

FACILITY TYPE: JUNK YARD

POLLUTANT: PETROLEUM

LEAD AGENCY NAME: BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 35

Distance from Property: 0.421 mi. (2,223 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: 9200314LUAST

FACILITY ID: 9200314

FACILITY NAME: POWERMIX INDUSTRIES INC

ADDRESS: 1450 SW 34TH AVE

DEERFIELD BEACH , FL 33442 BROWARD COUNTY

FACILITY STATUS: CLOSED

FACILITY TYPE: C - FUEL USER/NON-RETAIL

FACILITY PHONE: (305)421-1700

FACILITY CLEANUP RANK: 11086

DISTRICT: SOUTHEAST DISTRICT

SCORE: 29

SCORE EFFECTIVE DATE: 02/04/2008

SCORE WHEN RANKED: 9

OPERATOR: POWERMIX INDUSTRIES INC

NAME CHANGED: 06/16/2005

ADDRESS CHANGED: 08/08/2007

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: POWERMIX INDUSTRIES INC

ADDRESS: 3500 SW 14TH ST

DEERFIELD BEACH , FL 33442

CONTACT: GERARD PERRY

PHONE: (305)421-1700

CONTAMINATED MEDIA INFORMATION

- NO CONTAMINATED INFORMATION REPORTED

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: NOT REPORTED

SR COMPLETION DATE: NOT REPORTED

SR CLEANUP RESPONSIBLE: NOT REPORTED

SR SOIL REMOVAL: NOT REPORTED

SR FREE PRODUCT REMOVAL: NOT REPORTED

SR SOIL TREATMENT: NOT REPORTED

SR SOIL TONNAGE REMOVED: NOT REPORTED

SR SOIL TREATMENT: NOT REPORTED

SR OTHER TREATMENT: NOT REPORTED

SITE ASSESSMENT (SA) TASK ID: NOT REPORTED

SA COMPLETION DATE: NOT REPORTED

SA CLEANUP RESPONSIBLE: NOT REPORTED

SA FUNDING ELIGIBILITY TYPE: NOT REPORTED

SA ACTUAL COST: NOT REPORTED

SA PAYMENT DATE: NOT REPORTED

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: NOT REPORTED REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED

SRC SUBMIT DATE: NOT REPORTED

RAP COMPLETION DATE: NOT REPORTED

SRC REVIEW DATE: NOT REPORTED

RAP CLEANUP RESPONSIBLE: NOT REPORTED

SRC ISSUE DATE: NOT REPORTED

Registered Leaking Storage Tanks (LUAST)

SRC COMPLETION STATUS: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **NOT REPORTED**

SRC COMPLETION STATUS DATE: **NOT REPORTED**

RA CLEANUP RESPONSIBLE: **NOT REPORTED**

SRC COMMENTS: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **08/09/1991**

CLEANUP REQUIRED: **R - CLEANUP REQUIRED**

DISCHARGE CLEANUP STATUS: **ENTD - ELIGIBLE - NO TASK LEVEL DATA**

DISCHARGE CLEANUP DATE: **09/17/1993**

CLEANUP WORK STATUS: **INACTIVE**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**

OTHER SOURCE: **NOT REPORTED**

SCORE: **29**

SCORE EFFECTIVE DATE: **02/04/2008**

RANK: **11086**

TANK OFFICE: **-**

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Broward County Contaminated Sites (BCBF)

MAP ID# 36

Distance from Property: 0.422 mi. (2,228 ft.) S

FACILITY INFORMATION

SITE ID: **1709ABCBF**

FACILITY NAME: **SAVAGE CONSTRUCTION**

ADDRESS: **1410 S POWERLINE RD
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **068625891**

SITE PROGRAM TYPE: **STATE PETROLEUM CLEANUP PROGRAM**

FACILITY TYPE: **WAREHOUSE**

POLLUTANT: **PETROLEUM**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Contaminated Sites (BCBF)

MAP ID# 36

Distance from Property: 0.422 mi. (2,228 ft.) S

FACILITY INFORMATION

SITE ID: **1709BBCBF**

FACILITY NAME: **SAVAGE CONSTRUCTION**

ADDRESS: **1410 S POWERLINE RD
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **NOT REPORTED**

SITE PROGRAM TYPE: **NON FUNDED (BROWARD COUNTY LICENSING PROGRAM OR FDEP LED SITES)**

FACILITY TYPE: **JUNK YARD**

POLLUTANT: **METALS**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Contaminated Sites (BCBF)

MAP ID# 36

Distance from Property: 0.422 mi. (2,228 ft.) S

FACILITY INFORMATION

SITE ID: **1709BCBF**

FACILITY NAME: **SAVAGE CONSTRUCTION**

ADDRESS: **1410 S POWERLINE RD
DEERFIELD BEACH , FL 33442**

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **068625891**

SITE PROGRAM TYPE: **STATE PETROLEUM CLEANUP PROGRAM**

FACILITY TYPE: **WAREHOUSE**

POLLUTANT: **PETROLEUM**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Solid Waste Landfills (BCSWF)

MAP ID# 36

Distance from Property: 0.422 mi. (2,228 ft.) S

FACILITY INFORMATION

UNIQUEID: 000013

FACILITY NAME: SUN RECYCLING LLC #8

ADDRESS: 1410 S POWERLINERD
DEERFIELD BEACH, FL

COUNTY: BROWARD

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 36

Distance from Property: 0.422 mi. (2,228 ft.) S

FACILITY INFORMATION

GEOSEARCH ID: 8625891LUAST
FACILITY ID: 8625891
FACILITY NAME: RICHS LANDSCAPING
ADDRESS: 1410 S POWERLINE RD
DEERFIELD BEACH , FL 33442-8127 BROWARD COUNTY
FACILITY STATUS: CLOSED
FACILITY TYPE: C - FUEL USER/NON-RETAIL
FACILITY PHONE: NOT REPORTED
FACILITY CLEANUP RANK: 8060
DISTRICT: SOUTHEAST DISTRICT
SCORE: 10
SCORE EFFECTIVE DATE: 04/20/2012
SCORE WHEN RANKED: 11
OPERATOR: NOT REPORTED
NAME CHANGED: 04/08/1997
ADDRESS CHANGED: NOT REPORTED

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: POWER INDUSTRIES
ADDRESS: 3500 SW 14TH ST
DEERFIELD BEACH , FL 33442
CONTACT: RUBY OR VIVIAN
PHONE: (305)426-3000

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: 08/06/1991
CLEANUP REQUIRED: R - CLEANUP REQUIRED
CLEANUP WORK STATUS: INACTIVE
INFORMATION SOURCE: D - DISCHARGE NOTIFICATION
SITE MANAGER: SINGLETON_D
SCORE: 10
RANK: 8060
CONTAMINATED DRINKING WELLS: NOT REPORTED
CONTAMINATED MONITORING WELLS: NO
CONTAMINATED SOIL: YES
CONTAMINATED SURFACE WATER: NO
CONTAMINATED GROUND WATER: NO
POLLUTANT: A - LEADED GAS
OTHER DESCRIPTION: NOT REPORTED
GALLONS DISCHARGED: NOT REPORTED

CLEANUP STATUS: SA - SA ONGOING
CLEANUP STATUS DATE: 07/14/2006
TANK OFFICE: PCLP6 - BROWARD CNTY ENVIRONMENTAL
PROTECTION DEPT
OTHER SOURCE: NOT REPORTED
SITE MANAGER END DATE: 01/17/2007
SCORE EFFECTIVE DATE: 04/20/2012

Registered Leaking Storage Tanks (LUAST)

DISCHARGE DATE: **08/06/1991**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **INACTIVE**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
SITE MANAGER: **SINGLETON_D**
SCORE: **10**
RANK: **8060**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**
CONTAMINATED MONITORING WELLS: **NO**
CONTAMINATED SOIL: **YES**
CONTAMINATED SURFACE WATER: **NO**
CONTAMINATED GROUND WATER: **NO**
POLLUTANT: **B - UNLEADED GAS**
OTHER DESCRIPTION: **NOT REPORTED**
GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **SA - SA ONGOING**
CLEANUP STATUS DATE: **07/14/2006**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER END DATE: **01/17/2007**
SCORE EFFECTIVE DATE: **04/20/2012**

DISCHARGE DATE: **08/06/1991**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **INACTIVE**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
SITE MANAGER: **SINGLETON_D**
SCORE: **10**
RANK: **8060**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**
CONTAMINATED MONITORING WELLS: **NO**
CONTAMINATED SOIL: **YES**
CONTAMINATED SURFACE WATER: **NO**
CONTAMINATED GROUND WATER: **NO**
POLLUTANT: **D - VEHICULAR DIESEL**
OTHER DESCRIPTION: **NOT REPORTED**
GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **SA - SA ONGOING**
CLEANUP STATUS DATE: **07/14/2006**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER END DATE: **01/17/2007**
SCORE EFFECTIVE DATE: **04/20/2012**

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **78716**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

Registered Leaking Storage Tanks (LUAST)

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NOT REPORTED** REMEDIATION ACTION PLAN (RAP) TASK ID: **NOT REPORTED**

SRC SUBMIT DATE: **NOT REPORTED**

RAP COMPLETION DATE: **NOT REPORTED**

SRC REVIEW DATE: **NOT REPORTED**

RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

SRC ISSUE DATE: **NOT REPORTED**

SRC COMPLETION STATUS: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **NOT REPORTED**

SRC COMPLETION STATUS DATE: **NOT REPORTED**

RA CLEANUP RESPONSIBLE: **NOT REPORTED**

SRC COMMENTS: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **08/06/1991**

CLEANUP REQUIRED: **R - CLEANUP REQUIRED**

DISCHARGE CLEANUP STATUS: **SA - SA ONGOING**

DISCHARGE CLEANUP DATE: **07/14/2006**

CLEANUP WORK STATUS: **INACTIVE**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**

OTHER SOURCE: **NOT REPORTED**

SCORE: **10**

SCORE EFFECTIVE DATE: **04/20/2012**

RANK: **8060**

TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Solid Waste Facilities (SWF)

MAP ID# 36

Distance from Property: 0.422 mi. (2,228 ft.) S

INCIDENT INFORMATION

FACILITY ID: 55469

FACILITY NAME: SUN RECYCLING #8

ADDRESS: 1410 S. POWERLINE RD.

DEERFIELD BEACH , FL 33442

COUNTY: BROWARD

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Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

RESPONSIBLE NAME: SUN RECYCLING LLC

ADDRESS: 2380 COLLEGE AVENUE

FORT LAUDERDALE, FL 33317

PHONE: NOT REPORTED

SUPERVISOR INFORMATION

SUPERVISOR NAME: CHARLES GUSMANO

ADDRESS: STREET NOT REPORTED

PHONE: 9546154050

OWNER INFORMATION

OWNER NAME: JERRY PERRY, PERRY & PERRY

ADDRESS: 3500 SW 14 ST.

DEERFIELD BEACH, FL 33442

PHONE: NOT REPORTED

FACILITY STATUS:

INACTIVE

NFA,NO FURTHER ACTION

CLASS:

MATERIAL RECOVERY FACILITY -
CLASS I & III

DISASTER DEBRIS MANAGEMENT SITE

CLASS STATUS:

INACTIVE (I)

NFA,NO FURTHER ACTION (F)

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Broward County Contaminated Sites (BCBF)

MAP ID# 37

Distance from Property: 0.484 mi. (2,556 ft.) ENE

FACILITY INFORMATION

SITE ID: **0849BBCBF**

FACILITY NAME: **PUBLIX DISTRIBUTION CTR**

ADDRESS: **777 SW 12TH AVE**

DEERFIELD BEACH , FL 33442

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **068945000**

SITE PROGRAM TYPE: **NON FUNDED (BROWARD COUNTY LICENSING PROGRAM OR FDEP LED SITES)**

FACILITY TYPE: **NOT REPORTED**

POLLUTANT: **NOT REPORTED**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Broward County Contaminated Sites (BCBF)

MAP ID# 37

Distance from Property: 0.484 mi. (2,556 ft.) ENE

FACILITY INFORMATION

SITE ID: **0849CBCBF**

FACILITY NAME: **PUBLIX DISTRIBUTION CTR**

ADDRESS: **777 SW 12TH AVE**

DEERFIELD BEACH , FL 33442

COUNTY: **BROWARD**

DPEP FACILITY NUMBER: **068945000**

SITE PROGRAM TYPE: **NON FUNDED (BROWARD COUNTY LICENSING PROGRAM OR FDEP LED SITES)**

FACILITY TYPE: **WAREHOUSE**

POLLUTANT: **GASOLINE**

LEAD AGENCY NAME: **BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT**

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 37

Distance from Property: 0.484 mi. (2,556 ft.) ENE

FACILITY INFORMATION

GEOSEARCH ID: **8945000LUAST**

FACILITY ID: **8945000**

FACILITY NAME: **PUBLIX SUPER MARKET DISTRIBUTION CTR**

ADDRESS: **777 SW 12TH AVE**

DEERFIELD BEACH , FL 33442-3116 BROWARD COUNTY

FACILITY STATUS: **OPEN**

FACILITY TYPE: **C - FUEL USER/NON-RETAIL**

FACILITY PHONE: **(954)429-0122**

FACILITY CLEANUP RANK: **NOT REPORTED**

DISTRICT: **SOUTHEAST DISTRICT**

SCORE: **74**

SCORE EFFECTIVE DATE: **07/11/2014**

SCORE WHEN RANKED: **NOT REPORTED**

OPERATOR: **TOM JONES**

NAME CHANGED: **03/12/2007**

ADDRESS CHANGED: **NOT REPORTED**

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: **PUBLIX SUPER MARKETS INC - ENVIRONMENTAL**

ADDRESS: **PO BOX 407**

LAKELAND , FL 33802

CONTACT: **MICHAEL HEWETT**

PHONE: **(863)499-5418**

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: **01/28/2013**

CLEANUP REQUIRED: **R - CLEANUP REQUIRED**

CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**

SITE MANAGER: **JAIRAM_S**

SCORE: **74**

RANK: **NOT REPORTED**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**

CONTAMINATED MONITORING WELLS: **NO**

CONTAMINATED SOIL: **NO**

CONTAMINATED SURFACE WATER: **NO**

CONTAMINATED GROUND WATER: **YES**

POLLUTANT: **G - EMERG GENERATOR DIESEL**

OTHER DESCRIPTION: **VEHICULAR DIESEL**

GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **SRCR - SRCR COMPLETE**

CLEANUP STATUS DATE: **04/27/2017**

TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

OTHER SOURCE: **NOT REPORTED**

SITE MANAGER END DATE: **04/27/2017**

SCORE EFFECTIVE DATE: **07/11/2014**

Registered Leaking Storage Tanks (LUAST)

DISCHARGE DATE: **08/02/2011**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
SITE MANAGER: **MELLACHERUVU_SX**
SCORE: **74**
RANK: **NOT REPORTED**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**
CONTAMINATED MONITORING WELLS: **NO**
CONTAMINATED SOIL: **YES**
CONTAMINATED SURFACE WATER: **NO**
CONTAMINATED GROUND WATER: **NO**
POLLUTANT: **X - MISC PETROL-BASED PRODUCT**
OTHER DESCRIPTION: **NOT REPORTED**
GALLONS DISCHARGED: **55**

CLEANUP STATUS: **NFA - NFA COMPLETE**
CLEANUP STATUS DATE: **03/01/2012**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER END DATE: **03/01/2012**
SCORE EFFECTIVE DATE: **07/11/2014**

DISCHARGE DATE: **10/05/1998**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
SITE MANAGER: **SIVAPRASAD_K**
SCORE: **74**
RANK: **NOT REPORTED**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**
CONTAMINATED MONITORING WELLS: **NOT REPORTED**
CONTAMINATED SOIL: **YES**
CONTAMINATED SURFACE WATER: **NOT REPORTED**
CONTAMINATED GROUND WATER: **NOT REPORTED**
POLLUTANT: **B - UNLEADED GAS**
OTHER DESCRIPTION: **UNKNOWN**
GALLONS DISCHARGED: **NOT REPORTED**

CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **06/28/2000**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER END DATE: **02/18/2000**
SCORE EFFECTIVE DATE: **07/11/2014**

DISCHARGE DATE: **09/30/1998**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **COMPLETED**

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
SITE MANAGER: **SIVAPRASAD_K**
SCORE: **74**
RANK: **NOT REPORTED**

CONTAMINATED DRINKING WELLS: **NOT REPORTED**

CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **06/28/2000**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER END DATE: **06/28/2000**
SCORE EFFECTIVE DATE: **07/11/2014**

Registered Leaking Storage Tanks (LUAST)

CONTAMINATED MONITORING WELLS: **NOT REPORTED**
CONTAMINATED SOIL: **YES**
CONTAMINATED SURFACE WATER: **NOT REPORTED**
CONTAMINATED GROUND WATER: **NOT REPORTED**
POLLUTANT: **D - VEHICULAR DIESEL**
OTHER DESCRIPTION: **UNKNOWN**
GALLONS DISCHARGED: **NOT REPORTED**

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE:
SRCR - SITE REHABILITATION COMPLETION REPORT
SRC SUBMIT DATE: **11-29-2016**
SRC REVIEW DATE: **12-06-2016**
SRC ISSUE DATE: **04-27-2017**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **02-21-2017**
SRC COMMENTS: **NOT REPORTED**

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NFA - REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED**
NO FURTHER ACTION

SRC SUBMIT DATE: **12-28-2011**
SRC REVIEW DATE: **01-03-2012**
SRC ISSUE DATE: **03-01-2012**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **02-08-2012**
SRC COMMENTS: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **90038**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

REMEDIATION ACTION PLAN (RAP) TASK ID: **NOT REPORTED**

RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **90902**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **88411**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **88691**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

Registered Leaking Storage Tanks (LUAST)

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE:
SRCR - SITE REHABILITATION COMPLETION REPORT
SRC SUBMIT DATE: **11-29-1999**
SRC REVIEW DATE: **06-01-2000**
SRC ISSUE DATE: **06-28-2000**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **06-01-2000**
SRC COMMENTS: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **66477**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

REMEDIATION ACTION PLAN (RAP) TASK ID: **NOT REPORTED**
RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **61815**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE:
SRCR - SITE REHABILITATION COMPLETION REPORT
SRC SUBMIT DATE: **11-29-1999**
SRC REVIEW DATE: **06-01-2000**
SRC ISSUE DATE: **06-28-2000**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **06-01-2000**
SRC COMMENTS: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **66476**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

REMEDIATION ACTION PLAN (RAP) TASK ID: **64023**
RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **61814**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **01/28/2013**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **SRCR - SRCR COMPLETE**
DISCHARGE CLEANUP DATE: **04/27/2017**
CLEANUP WORK STATUS: **COMPLETED**

Registered Leaking Storage Tanks (LUAST)

INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SCORE: **74**
SCORE EFFECTIVE DATE: **07/11/2014**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

DISCHARGE DATE: **08/02/2011**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **NFA - NFA COMPLETE**
DISCHARGE CLEANUP DATE: **03/01/2012**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SCORE: **74**
SCORE EFFECTIVE DATE: **07/11/2014**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

DISCHARGE DATE: **10/05/1998**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **SRCR - SRCR COMPLETE**
DISCHARGE CLEANUP DATE: **06/28/2000**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SCORE: **74**
SCORE EFFECTIVE DATE: **07/11/2014**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

DISCHARGE DATE: **09/30/1998**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **SRCR - SRCR COMPLETE**
DISCHARGE CLEANUP DATE: **06/28/2000**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SCORE: **74**
SCORE EFFECTIVE DATE: **07/11/2014**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

Registered Leaking Storage Tanks (LUAST)

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Registered Leaking Storage Tanks (LUAST)

MAP ID# 38

Distance from Property: 0.487 mi. (2,571 ft.) E

FACILITY INFORMATION

GEOSEARCH ID: 9807870LUAST

FACILITY ID: 9807870

FACILITY NAME: BEST WESTERN

ADDRESS: 1050 E NEWPORT CENTER DR

DEERFIELD BEACH , FL 33442-7723 BROWARD COUNTY

FACILITY STATUS: CLOSED

FACILITY TYPE: C - FUEL USER/NON-RETAIL

FACILITY PHONE: NOT REPORTED

FACILITY CLEANUP RANK: NOT REPORTED

DISTRICT: SOUTHEAST DISTRICT

SCORE: 60

SCORE EFFECTIVE DATE: 03/30/2006

SCORE WHEN RANKED: NOT REPORTED

OPERATOR: NOT REPORTED

NAME CHANGED: NOT REPORTED

ADDRESS CHANGED: NOT REPORTED

[Florida Oculus](#)

Some records may not have additional documentation available from the Oculus Website

RESPONSIBLE PARTY

NAME: FIRST CHOICE PROPERTIES CORP

ADDRESS: 10770 COLUMBIA PIKE #200

SILVER SPRING , MD 20901

CONTACT: RANDALL R HARTIG

PHONE: NOT REPORTED

CONTAMINATED MEDIA INFORMATION

DISCHARGE DATE: 11/09/2004

CLEANUP REQUIRED: R - CLEANUP REQUIRED

CLEANUP WORK STATUS: COMPLETED

INFORMATION SOURCE: Z - OTHER

SITE MANAGER: THEISEN_MM

SCORE: 60

RANK: NOT REPORTED

CONTAMINATED DRINKING WELLS: NOT REPORTED

CONTAMINATED MONITORING WELLS: NOT REPORTED

CONTAMINATED SOIL: YES

CONTAMINATED SURFACE WATER: NOT REPORTED

CONTAMINATED GROUND WATER: NOT REPORTED

POLLUTANT: X - MISC PETROL-BASED PRODUCT

OTHER DESCRIPTION: NOT REPORTED

GALLONS DISCHARGED: NOT REPORTED

CLEANUP STATUS: NFA - NFA COMPLETE

CLEANUP STATUS DATE: 04/25/2007

TANK OFFICE: PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT

OTHER SOURCE: SITE INVESTIGATION REPORT

SITE MANAGER END DATE: 04/25/2007

SCORE EFFECTIVE DATE: 03/30/2006

Registered Leaking Storage Tanks (LUAST)

TASK INFORMATION

SOURCE REMOVAL (SR) TASK ID: **NOT REPORTED**
SR COMPLETION DATE: **NOT REPORTED**
SR CLEANUP RESPONSIBLE: **NOT REPORTED**
SR SOIL REMOVAL: **NOT REPORTED**
SR FREE PRODUCT REMOVAL: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR SOIL TONNAGE REMOVED: **NOT REPORTED**
SR SOIL TREATMENT: **NOT REPORTED**
SR OTHER TREATMENT: **NOT REPORTED**

SITE ASSESSMENT (SA) TASK ID: **78316**
SA COMPLETION DATE: **NOT REPORTED**
SA CLEANUP RESPONSIBLE: **NOT REPORTED**
SA FUNDING ELIGIBILITY TYPE: **NOT REPORTED**
SA ACTUAL COST: **NOT REPORTED**
SA PAYMENT DATE: **NOT REPORTED**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NFA - REMEDIATION ACTION PLAN (RAP) TASK ID: NOT REPORTED**
NO FURTHER ACTION

SRC SUBMIT DATE: **12-05-2006**
SRC REVIEW DATE: **12-08-2006**
SRC ISSUE DATE: **04-25-2007**
SRC COMPLETION STATUS: **A - APPROVED**
SRC COMPLETION STATUS DATE: **03-23-2007**
SRC COMMENTS: **NOT REPORTED**

RAP COMPLETION DATE: **NOT REPORTED**
RAP CLEANUP RESPONSIBLE: **NOT REPORTED**

REMEDIATION ACTION (RA) TASK ID: **80734**
RA CLEANUP RESPONSIBLE: **NOT REPORTED**

DISCHARGE CLEANUP SUMMARY

DISCHARGE DATE: **11/09/2004**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
DISCHARGE CLEANUP STATUS: **NFA - NFA COMPLETE**
DISCHARGE CLEANUP DATE: **04/25/2007**
CLEANUP WORK STATUS: **COMPLETED**
INFORMATION SOURCE: **Z - OTHER**
OTHER SOURCE: **SITE INVESTIGATION REPORT**
SCORE: **60**
SCORE EFFECTIVE DATE: **03/30/2006**
RANK: **NOT REPORTED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**

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Unlocated Sites Summary

This list contains sites that could not be mapped due to limited or incomplete address information.

No Records Found

Environmental Records Definitions - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

BRS Biennial Reporting System

VERSION DATE: 12/31/11

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 07/01/16

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

DOCKETS EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 08/03/15

This database includes site locations where Engineering and/or Institutional Controls have been identified as part

Environmental Records Definitions - FEDERAL

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ECHOR04 Enforcement and Compliance History Information

VERSION DATE: 08/26/17

The EPA's Enforcement and Compliance History Online (ECHO) database, provides compliance and enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases.

ERNSFL Emergency Response Notification System

VERSION DATE: 10/15/17

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FRSFL Facility Registry System

VERSION DATE: 09/06/17

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

HMIRSR04 Hazardous Materials Incident Reporting System

VERSION DATE: 03/27/18

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 09/23/17

Environmental Records Definitions - FEDERAL

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 07/09/17

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.

LUCIS Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

NPDES04 National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

PADS PCB Activity Database System

VERSION DATE: 07/18/17

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are

Environmental Records Definitions - FEDERAL

required to notify the EPA of such activities.

PCSR04 Permit Compliance System

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

RCRASC RCRA Sites with Controls

VERSION DATE: 03/21/18

The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

SEMSLIENS SEMS Lien on Property

VERSION DATE: 12/11/17

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

SFLIENS CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete.

Environmental Records Definitions - FEDERAL

SSTS Section Seven Tracking System

VERSION DATE: 02/01/17

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

TRI Toxics Release Inventory

VERSION DATE: 12/31/16

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/31/12

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

RCRAGR04 Resource Conservation & Recovery Act - Generator

VERSION DATE: 03/01/18

The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA Region 4 includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

Environmental Records Definitions - FEDERAL

RCRANGR04

Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 03/01/18

The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA Region 4 includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

ALTFUELS

Alternative Fueling Stations

VERSION DATE: 01/22/18

Nationwide list of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

FEMAUST

FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

HISTPST

Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

ICISCLEANERS

Integrated Compliance Information System Drycleaners

VERSION DATE: 09/23/17

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

MRDS

Mineral Resource Data System

VERSION DATE: 03/15/16

Environmental Records Definitions - FEDERAL

MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS.

MSHA Mine Safety and Health Administration Master Index File

VERSION DATE: 09/01/17

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

BF Brownfields Management System

VERSION DATE: 03/26/18

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

DNPL Delisted National Priorities List

VERSION DATE: 04/11/18

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 03/01/18

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

ODI Open Dump Inventory

VERSION DATE: 06/01/85

Environmental Records Definitions - FEDERAL

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

RCRAT Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 03/01/18

The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

SEMS Superfund Enterprise Management System

VERSION DATE: 04/11/18

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

SEMSARCH Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 04/11/18

The Superfund Enterprise Management System Archive listing (SEMS-ARCHIVE) has replaced the CERCLIS NFRAP reporting system in 2015. This listing reflect sites that have been assessed and no further remediation is planned and is of no further interest under the Superfund program.

SMCRA Surface Mining Control and Reclamation Act Sites

VERSION DATE: 08/25/17

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Environmental Records Definitions - FEDERAL

USUMTRCA Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

DOD Department of Defense Sites

VERSION DATE: 12/01/14

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

FUDS Formerly Used Defense Sites

VERSION DATE: 06/01/15

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

FUSRAP Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

The U.S. DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 03/01/18

Environmental Records Definitions - FEDERAL

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NMS Former Military Nike Missile Sites

VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites.

During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

NPL National Priorities List

VERSION DATE: 04/11/18

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

PNPL Proposed National Priorities List

VERSION DATE: 04/11/18

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 03/01/18

The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

Environmental Records Definitions - FEDERAL

RCRASUBC

Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 03/01/18

The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

RODS

Record of Decision System

VERSION DATE: 12/11/17

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

Environmental Records Definitions - STATE (FL)

DEPCLEANUP

Florida Department of Environmental Protection Cleanup Sites

VERSION DATE: 04/01/18

The Cleanup Sites layer feeds the FDEP's Contamination Locator Map (CLM). It provides locations and document links for sites currently in the cleanup process and sites awaiting cleanup funding. Cleanup programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

GWCA

Ground Water Contamination Areas

VERSION DATE: 10/15/10

This Ground Water Contamination Areas database is provided by the Florida Department of Environmental Protection, showing the boundaries of delineated areas of known groundwater contamination pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting In Delineated Areas. 38 Florida counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. This data is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

ICEC

Engineering and Institutional Control Sites

VERSION DATE: 08/02/17

The Florida Department of Environmental Protection (FDEP) Division of Waste Management maintains this list of sites with institutional and engineering controls listed in the Institutional Controls Registry (ICR). The information in the ICR summarizes certain data about properties where institutional and engineering controls are used to control exposure and is, therefore, an incomplete analysis of the conditions on these properties. The ICR is periodically updated without notice. Additionally, due to data entry limitations, potential unauthorized access to the data or transmission errors, the ICR may contain errors and should not be exclusively relied upon. The department recommends that you contact the appropriate district or Tallahassee program office for more complete information regarding a property and the institutional control(s) that may be in place.

SPILLS

Spills Listing

VERSION DATE: 06/01/17

This listing of hazardous material spills is provided by the Florida Department of Environmental Protection's Law Enforcement Division. Spills reported since 2008 are included in this listing.

UIC

Underground Injection Control Wells

VERSION DATE: 03/01/18

This Class I Underground Injection Control (UIC) wells database is provided by the in Florida Department of

Environmental Records Definitions - STATE (FL)

Environmental Protection. These wells are currently or previously active. Class I UIC wells are used to inject nonhazardous waste, hazardous waste (new hazardous waste wells were banned in 1983), or municipal waste below the lowermost underground source of drinking water (USDW). A USDW is defined as an aquifer that contains a total dissolved solids concentration of less than 10,000 milligrams per liter.

CDV Cattle Dip Vats

VERSION DATE: NR

This list of located Cattle Dipping Vats is provided by the Florida Department of Environmental Protection (FDEP), Bureau of Waste Cleanup. According to the FDEP, from the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides such as DDT were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard. Some of the sites have been located and are currently under investigation. However, most of the listings are from old records of the State Livestock Board, which listed each vat as it was put into operation. In addition, some privately operated vats may have existed which were not listed by the Livestock Board. Some county boundaries may have changed since the vats were first listed.

NPDES National Pollutant Discharge Elimination System Facilities

VERSION DATE: 02/01/18

This National Pollutant Discharge Elimination System database is provided by the Florida Department of Environmental Protection and includes permitted Domestic, Industrial and Stormwater Facilities. Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. Individual homes that are connected to a municipal system, use a septic system, or do not have a surface discharge do not need an NPDES permit; however, industrial, municipal, and other facilities must obtain permits if their discharges go directly to surface waters.

AST Aboveground Storage Tanks

VERSION DATE: 04/11/18

The Storage Tank Regulation Section is part of the Bureau of Petroleum Storage Systems in the Florida Department of Environmental Protection's (FDEP) Division of Waste Management. This Section maintains all data for storage tank facilities registered with the Department and tracked for storage tanks, storage tank history, or petroleum cleanup activity. This listing only includes aboveground storage tank data.

CLEANERS Dry Cleaners

VERSION DATE: 04/20/18

The Florida Department of Environmental Protection (FDEP) maintains this database of registered dry cleaning facilities.

Environmental Records Definitions - STATE (FL)

HISTCLEANERS

Historical Dry Cleaners

VERSION DATE: 08/02/13

The Florida Department of Environmental Protection (FDEP) provided this historical database of regulated and non-regulated dry cleaning facilities. These facilities were at one time tracked and registered by the FDEP OCULUS Electronic Document Management System as "drums" in the underground storage tank database. Please refer to the CLEANERS database as source of current data.

UST

Underground Storage Tanks

VERSION DATE: 04/11/18

The Storage Tank Regulation Section is part of the Bureau of Petroleum Storage Systems in the Florida Department of Environmental Protection's (FDEP) Division of Waste Management. This Section maintains all data for storage tank facilities registered with the Department and tracked for storage tanks, storage tank history, or petroleum cleanup activity. This listing only includes underground storage tank data.

BF

Brownfield Areas

VERSION DATE: 03/01/18

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. The primary goals of Florida's Brownfields Redevelopment Act (Ch. 97-277, Laws of Florida, codified at ss. 376.77-.85, F.S.) are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage redevelopment and voluntary cleanup of contaminated properties. A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. This data is intended to be used for general locational representation and should not be considered appropriate for legal and/or cadastral purposes.

BSRA

Brownfields Site Rehabilitation Agreement Sites

VERSION DATE: 01/10/18

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. The primary goals of Florida's Brownfields Redevelopment Act (Ch. 97-277, Laws of Florida, codified at ss. 376.77-.85, F.S.) are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage voluntary cleanup and redevelopment of sites. After a local municipality in Florida designates an area as a brownfield to encourage redevelopment and focus upon revitalization, a resolution is passed and property owners within that designated area optionally may remediate or redevelop their property. Executed Brownfield Site Rehabilitation Agreements (BSRAs) are voluntary cleanup

Environmental Records Definitions - STATE (FL)

agreements between a responsible party and FDEP or a delegated local pollution control program. This data is intended to be used for general locational representation and should not be considered appropriate for legal and/or cadastral purposes.

CLEANUPS Drycleaning Solvent Program Cleanup Sites

VERSION DATE: 04/01/18

The Florida Department of Environmental Protection (FDEP) provides this list of Drycleaning Solvent Program Cleanup Sites. These sites are eligible for state funding to cleanup contamination resulting from drycleaning facility operations or a wholesale supply company (Chapter 376, Florida Statutes). Drycleaners applied to participate in this program from 1995 to December 31, 1998. All sites have confirmed contamination above Contamination Target Levels and have complied with conditions set in the law. This data is intended to be used for general locational representation and should not be considered appropriate for legal and/or cadastral purposes.

LUAST Registered Leaking Storage Tanks

VERSION DATE: 03/01/18

The Petroleum Cleanup Program of the Florida Department of Environmental Protection encompasses the technical oversight, management, and administrative activities necessary to prioritize, assess, and cleanup sites contaminated by discharges of petroleum and petroleum products from stationary petroleum storage systems. These sites include those determined eligible for state funded cleanup using preapproval contractors designated by the property owner or responsible party and state lead contractors under direct contract with the Department, as well as non-program or voluntary cleanup sites that are funded by responsible parties.

SWF Solid Waste Facilities

VERSION DATE: 12/08/17

The Solid Waste Section of the Florida Department of Environmental Protection is responsible for rule development, solid waste policy, financial assurance compliance, and implementing Florida's solid waste management program. Technical assistance is provided to the district offices concerning the permitting, compliance, and enforcement activities associated with solid waste facilities. These facilities can include landfills, material recovery facilities, transfer stations, composting/processing facilities, and waste tire management sites.

VCS Voluntary Cleanup Sites

VERSION DATE: 02/01/18

The Florida Department of Environmental Protection's Waste Cleanup Program provides this list of voluntary cleanup sites. These sites are subject to the FDEP 62-780 Contaminated Site Cleanup Criteria regulations and may be included on this listing if a party wants to conduct voluntary cleanup for a site that is not already under enforcement; or if a property owner did not the cause the contamination, but by ownership is still responsible for the contamination and/or enters the process voluntarily.

Environmental Records Definitions - STATE (FL)

SHWS

State Hazardous Waste Sites

VERSION DATE: 03/01/18

The Florida Department of Environmental Protection (FDEP), Division of Waste Management, Bureau of Waste Cleanup provides this listing of National Priorities List and State Funded Waste Cleanup Sites. The State-Funded cleanup program is designed to address sites where there are no viable responsible parties; the site poses an imminent hazard; and, the site does not qualify for Superfund or is a low priority for EPA. Remediation efforts are triggered when a FDEP District Office requests adoption of a site for state-funded cleanup. Funding for these remedial efforts comes from the Water Quality Assurance Trust Fund. Remedial activity may include contamination assessments, risk assessments, feasibility studies, design and construction of treatment systems, operation and maintenance of the installed treatment systems, and removal of contaminated media when necessary.

Environmental Records Definitions - LOCAL

BCHM Broward County Hazardous Material Sites

VERSION DATE: 12/04/14

This list of hazardous material sites is provided by the Broward County Environmental Protection and Growth Management Department.

BCNOV Broward County Notice of Violations

VERSION DATE: 04/01/18

This is a listing of NOV facilities that have received a notice of violation letter under the Broward County Chapter 27 Code.

BCST Broward County Storage Tanks

VERSION DATE: 12/04/14

This list of storage tank facilities is provided by the Broward County Environmental Protection and Growth Management Department.

BCBF Broward County Contaminated Sites

VERSION DATE: 03/27/18

The Inventory Report of Contaminated Locations has been prepared by the Broward County Environmental Protection and Growth Management Department to update the established inventory of known contaminated locations within Broward County. This report includes sites listed by the United States Environmental Protection Agency (USEPA), the Florida Department of Environmental Protection (FDEP), and sites licensed for contamination assessment and cleanup by the Pollution Prevention, Remediation and Air Quality Division (Division) of the Department.

BCSWF Broward County Solid Waste Landfills

VERSION DATE: 03/01/17

The Broward County Pollution Prevention, Waste Management Section maintains this list of licensed Solid Waste Management Facilities in Broward County. Solid waste management facilities are landfills, solid waste disposal areas, borrow pit reclamation areas, compost areas, material recovery areas, volume reduction plants, transfer stations, waste tire processing or collection area, or other facility, the purpose of which is recovery, disposal, recycling, depositing, processing, or storage of solid waste and fill material. The term does not include recovered materials processing facilities.

Environmental Records Definitions - TRIBAL

USTR04 Underground Storage Tanks On Tribal Lands

VERSION DATE: 10/14/17

Underground storage tanks on Tribal lands located in Region 4 include the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

LUSTR04 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 10/14/17

Leaking underground storage tanks on Tribal lands located in Region 4 include the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

INDIANRES Indian Reservations

VERSION DATE: 01/01/00

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

Historical Aerials Package

Target Property:

SW 10th Street

**SW 10th Street between Military Trail and Powerline Road
Deerfield Beach, Broward, Florida 33442**

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Job #: 201817

Project #: 140504000

Date: 9/5/2017

Target Property Summary

SW 10th Street

SW 10th Street between Military Trail and Powerline Road

Deerfield Beach, Broward, Florida 33442

USGS Quadrangle: **West Dixie Bend**

Target Property Geometry: **Corridor**

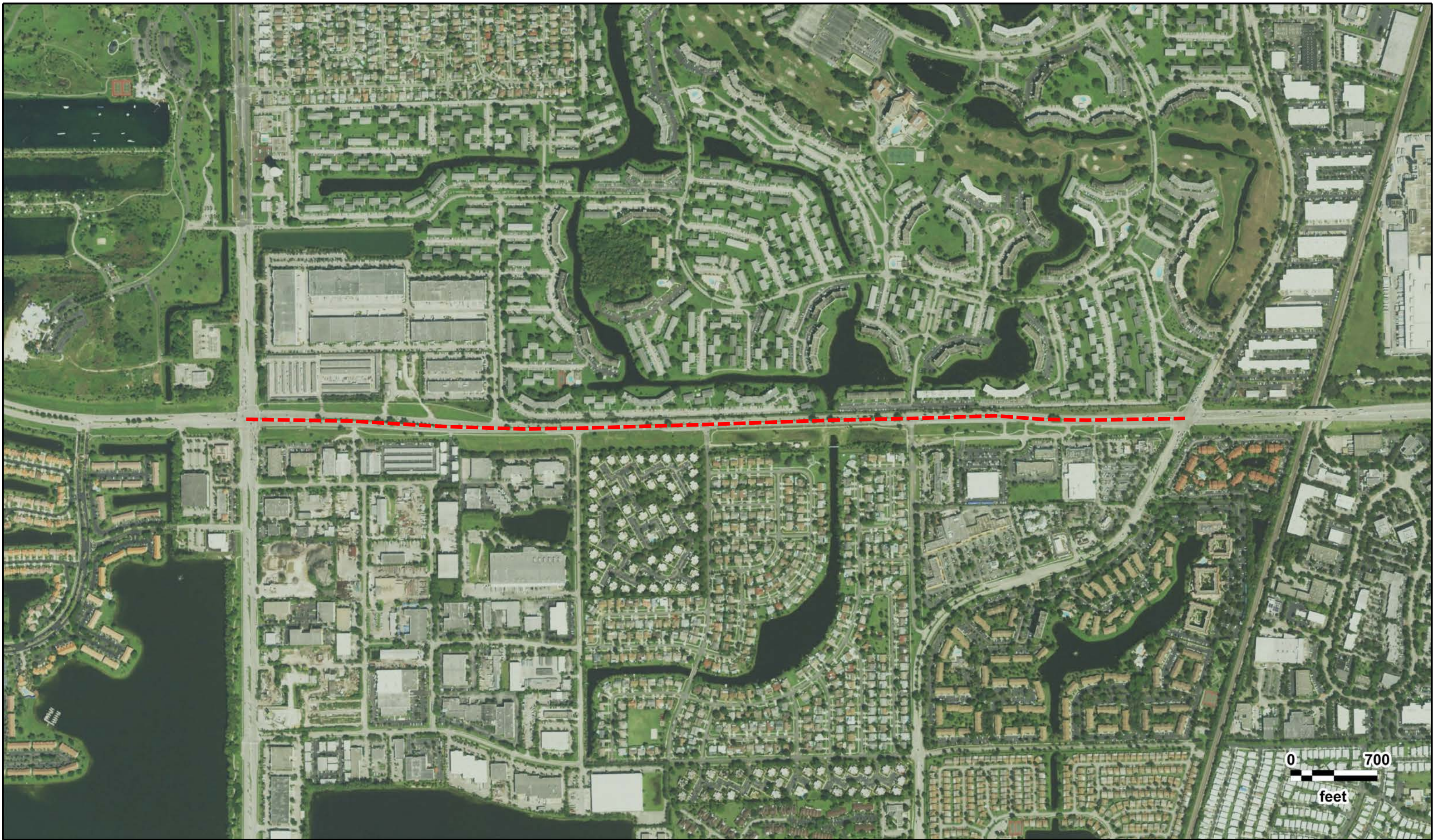
Target Property Longitude(s)/Latitude(s):

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Aerial Research Summary

<u>Date</u>	<u>Source</u>	<u>Scale</u>	<u>Frame</u>
2015	USDA	1" = 700'	N/A
2007	USDA	1" = 700'	N/A
2006	USDA	1" = 700'	N/A
2005	USDA	1" = 700'	N/A
02/21/1999	USGS	1" = 700'	N/A
01/26/1995	USGS	1" = 700'	N/A
02/07/1980	USGS	1" = 700'	15-108
01/23/1976	FDOT	1" = 700'	1784-10-21
06/21/1969	USGS	1" = 700'	2-31
10/21/1961	USGS	1" = 700'	1-141
01/25/1953	USGS	1" = 700'	12-137
04/14/1940	ASCS	1" = 700'	9-55

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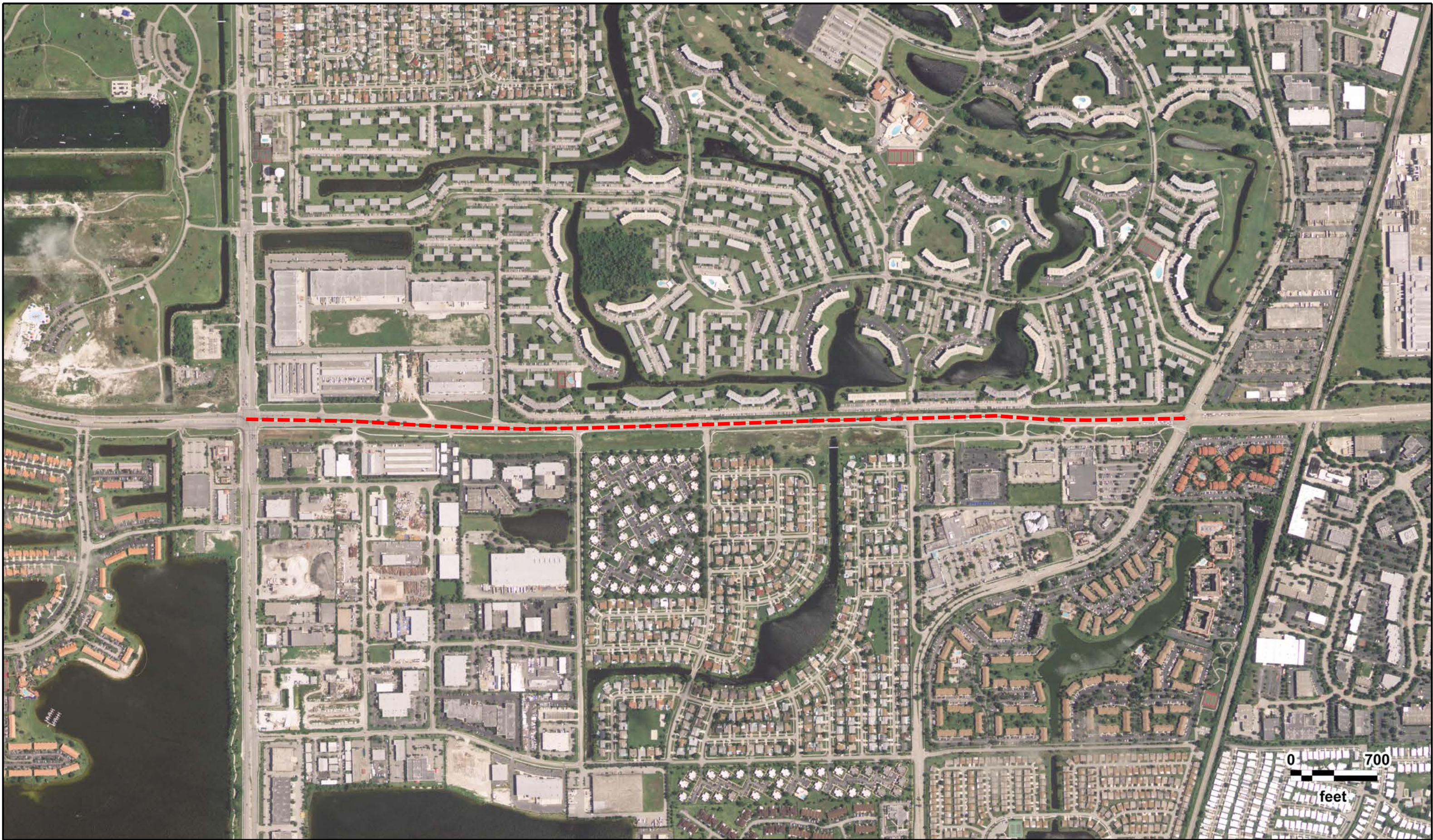


0 700
feet



SW 10th Street
USDA
2015

GeoSearch



0 700
feet



SW 10th Street
USDA
2007

GeoSearch



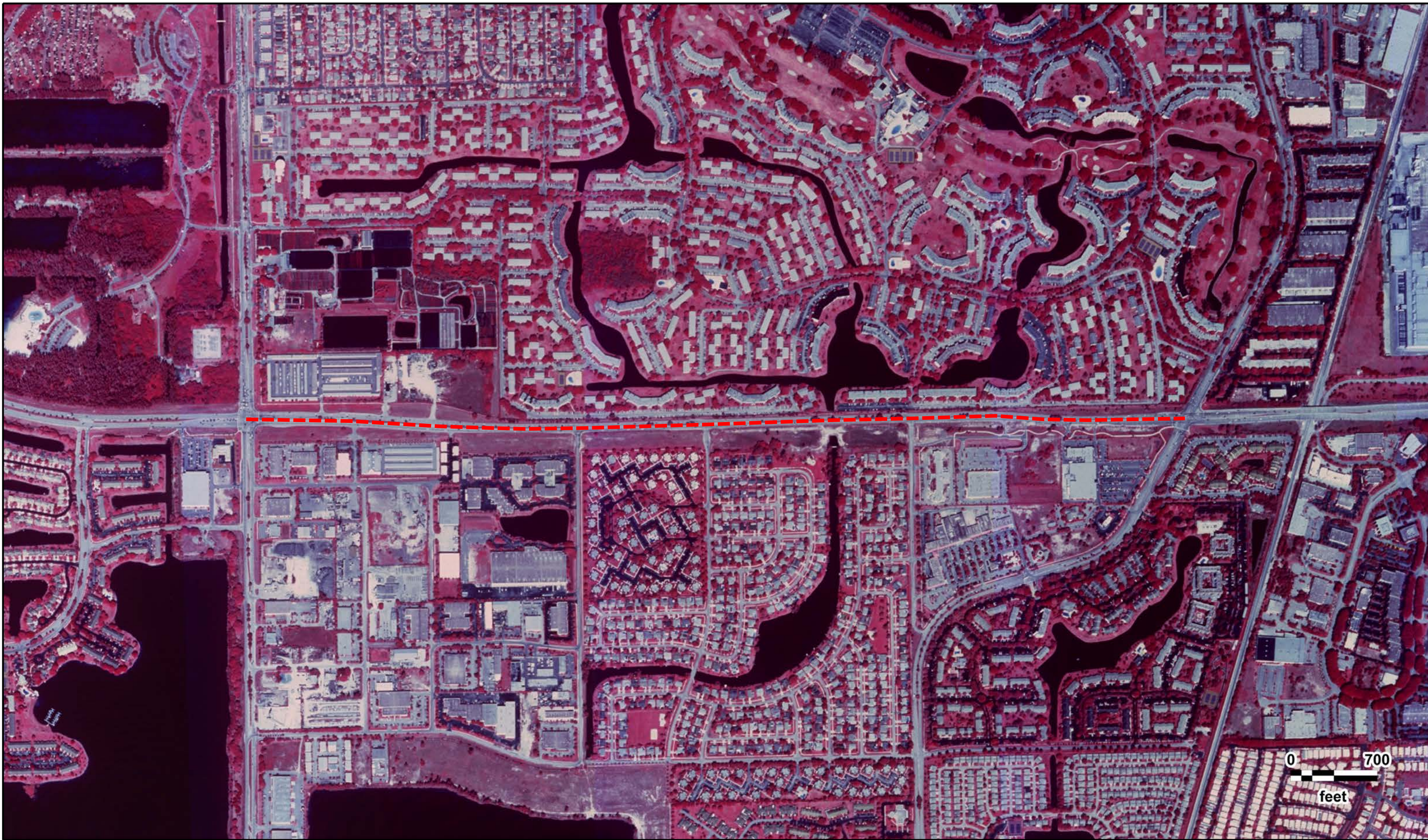
SW 10th Street
USDA
2006

GeoSearch



SW 10th Street
USDA
2005

GeoSearch



SW 10th Street
USGS
02/21/1999

GeoSearch



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SW 10th Street
USGS
01/26/1995

GeoSearch



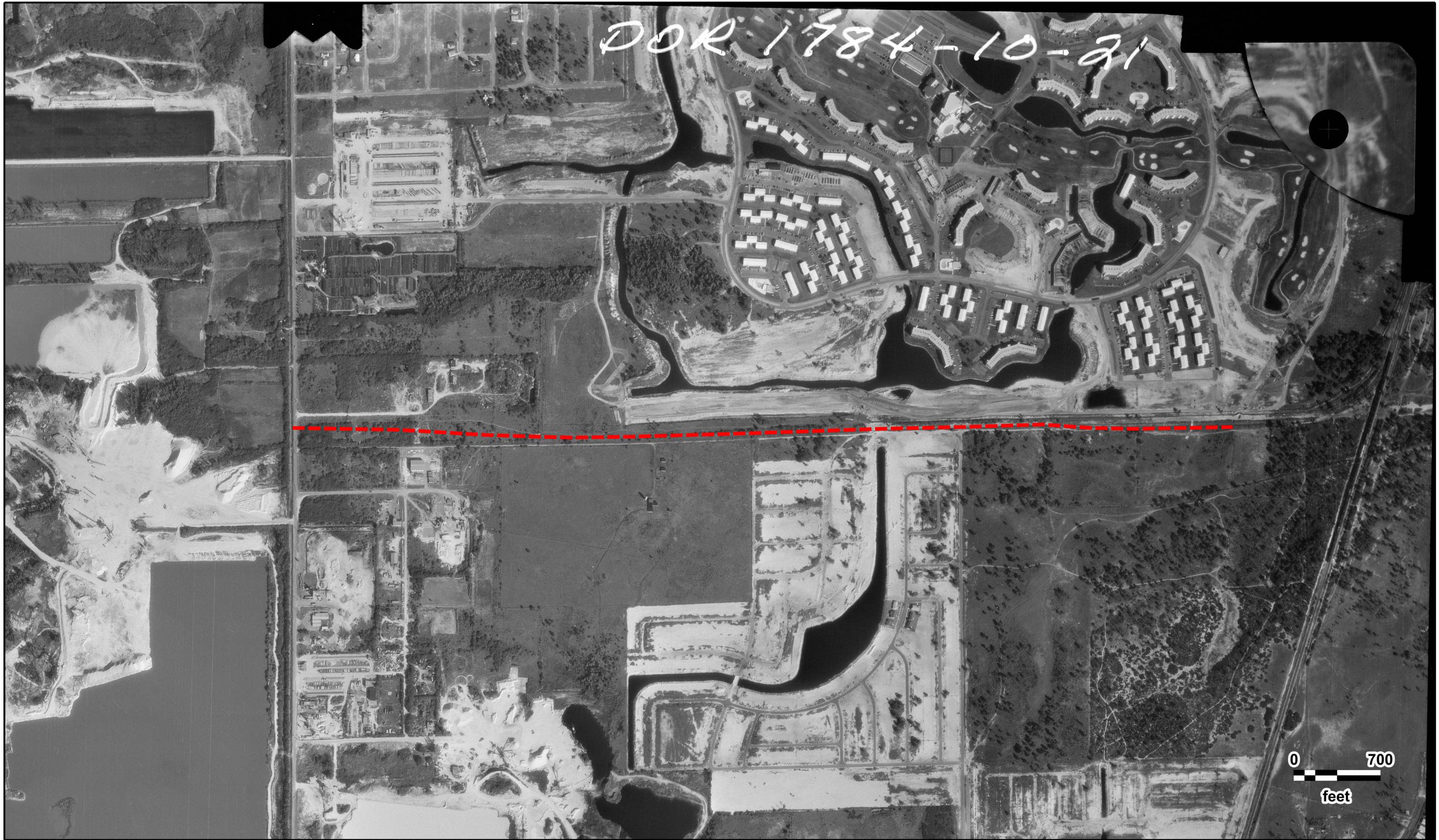
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SW 10th Street
USGS
02/07/1980

GeoSearch

DOR 1784-10-21

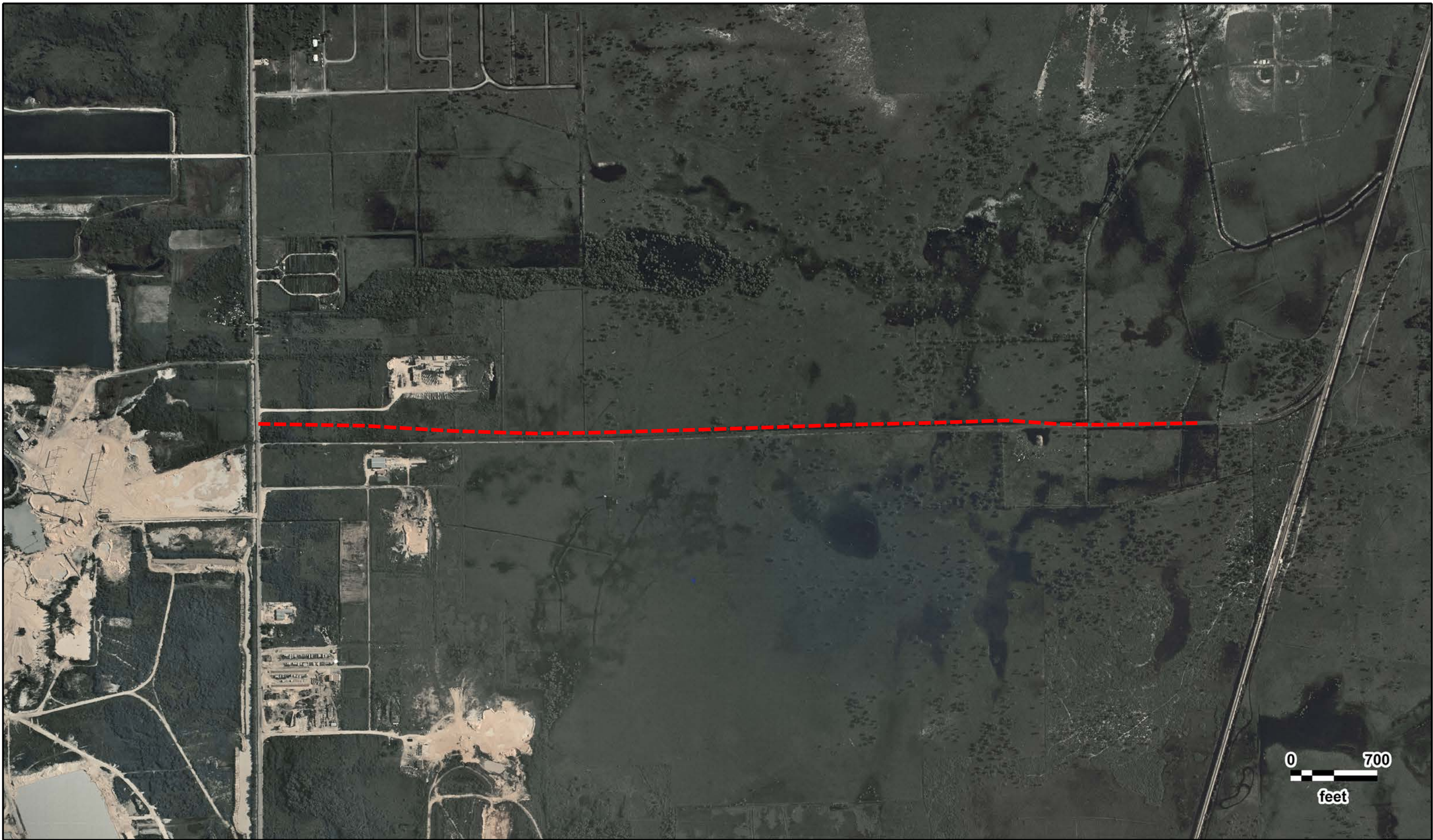


0 700
feet



SW 10th Street
FDOT
01/23/1976

GeoSearch



SW 10th Street
USGS
06/21/1969

0 700
feet

GeoSearch



0 700
feet



SW 10th Street
USGS
10/21/1961

GeoSearch

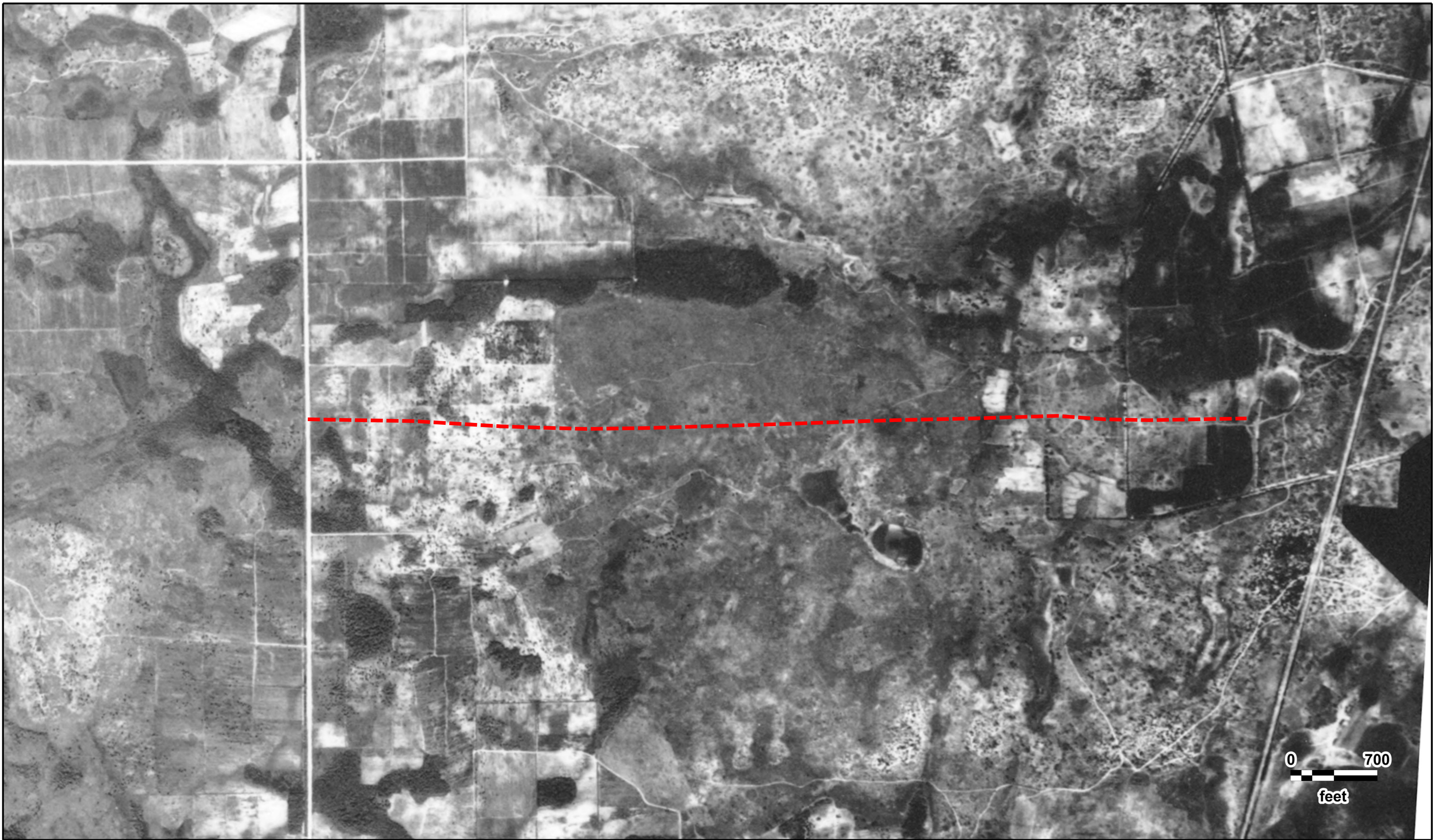


0 700
feet



SW 10th Street
USGS
01/25/1953

GeoSearch



0 700
feet



SW 10th Street
ASCS
04/14/1940

GeoSearch

Historical Topographic Maps

Target Property:

SW 10th Street

**SW 10th Street between Military Trail and Powerline Road
Deerfield Beach, Broward, Florida 33442**

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Job #: 201812

Project #: 140504000

Date: 8/30/2017

Target Property Summary

SW 10th Street

SW 10th Street between Military Trail and Powerline Road

Deerfield Beach, Broward, Florida 33442

USGS Quadrangle: **West Dixie Bend**

Target Property Geometry: **Corridor**

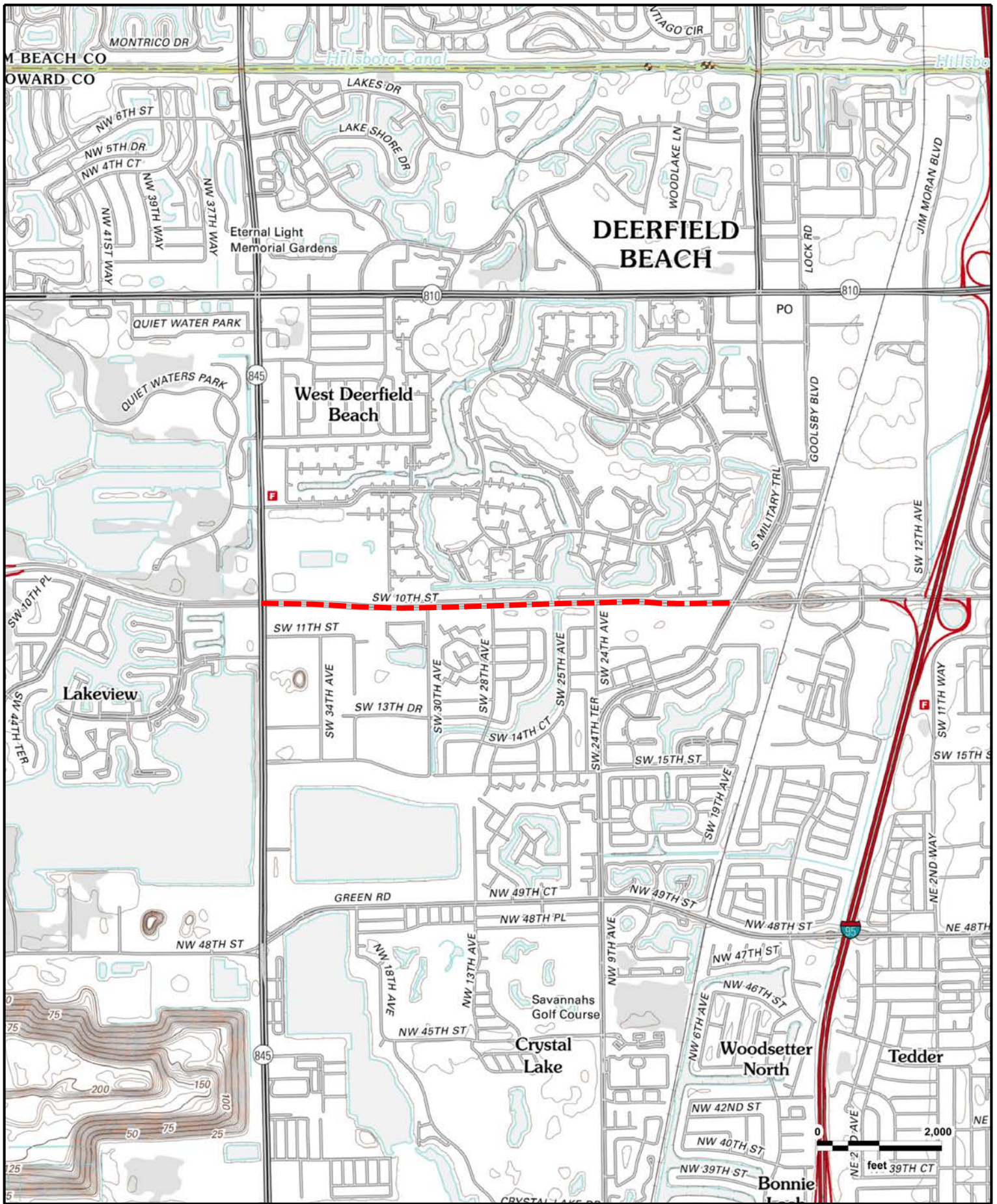
Target Property Longitude(s)/Latitude(s):

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(-80.146476030, 26.304158709), (-80.145682096, 26.304139473), (-80.144222975, 26.304158709),
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(-80.129460096, 26.304370302)

Topographic Map Summary

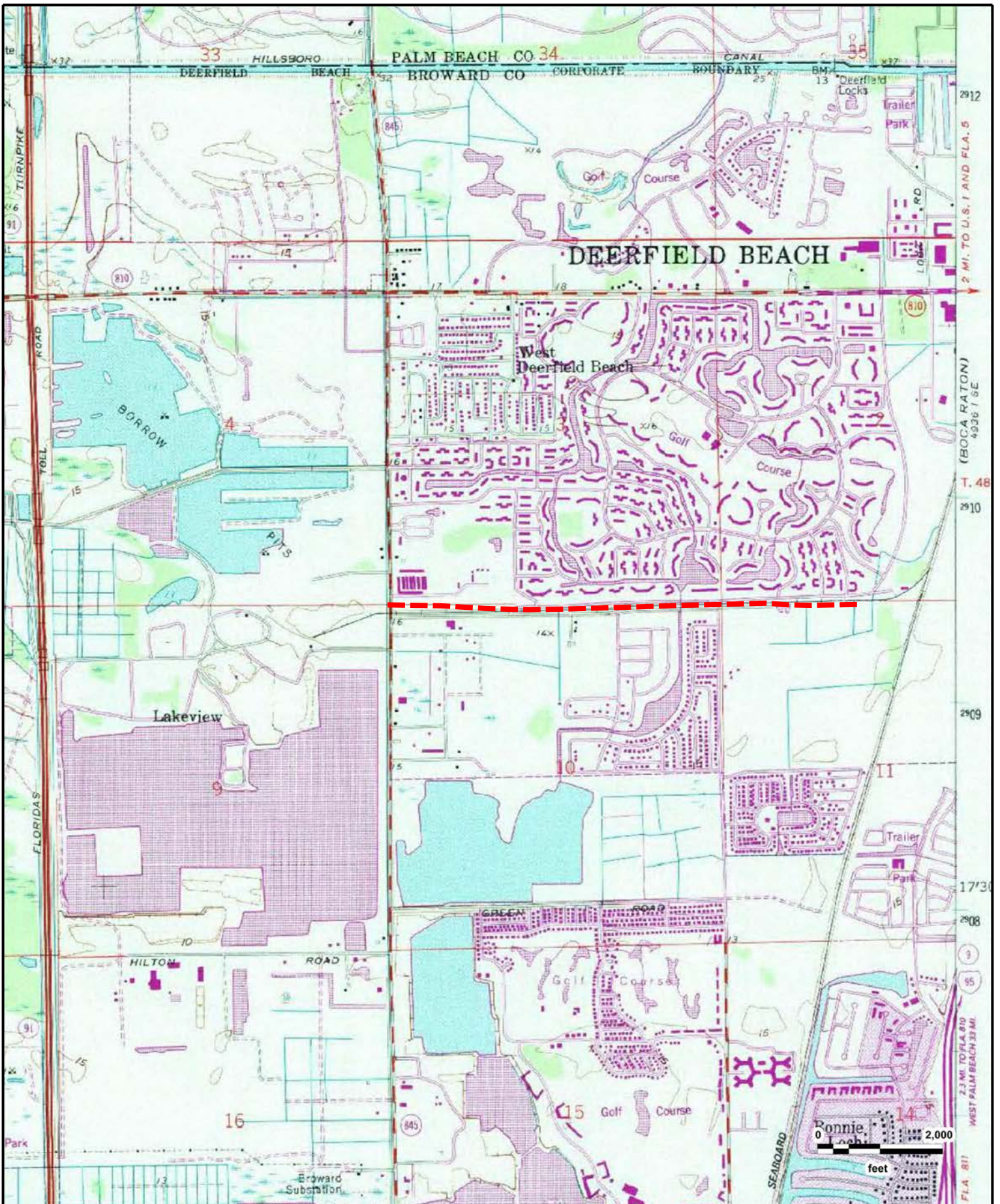
<u>Date</u>	<u>Quadrangle</u>	<u>Scale</u>
	West Dixie Bend, FL (2012)	1" = 2000'
	Boca Raton, FL (2012)	
1962 PHOTOREVISED 1983	West Dixie Bend, FL	1" = 2000'
1962 PHOTOREVISED 1969	West Dixie Bend, FL	1" = 2000'
1962	West Dixie Bend, FL	1" = 2000'
1946	West Dixie Bend, FL	1" = 2000'
1962 PHOTOREVISED 1983	Boca Raton, FL	1" = 2000'
1962 PHOTOINSPECTED 1973	Boca Raton, FL	1" = 2000'
1962	Boca Raton, FL	1" = 2000'
1946	Boca Raton, FL	1" = 2000'

Disclaimer - The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers and independent contractors cannot be held liable for actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.



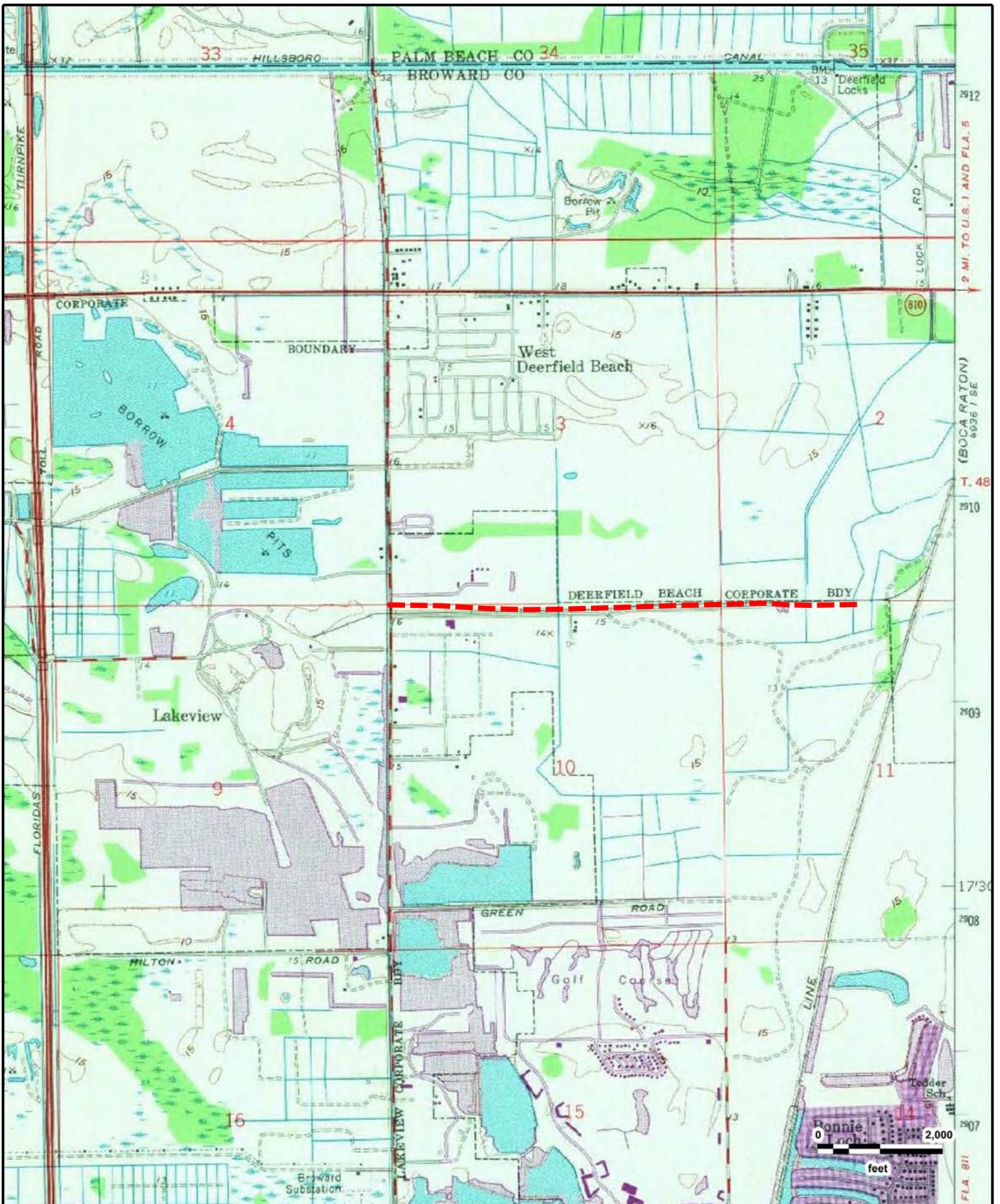
SW 10th Street
 West Dixie Bend, FL (2012), Boca Raton, FL (2012)





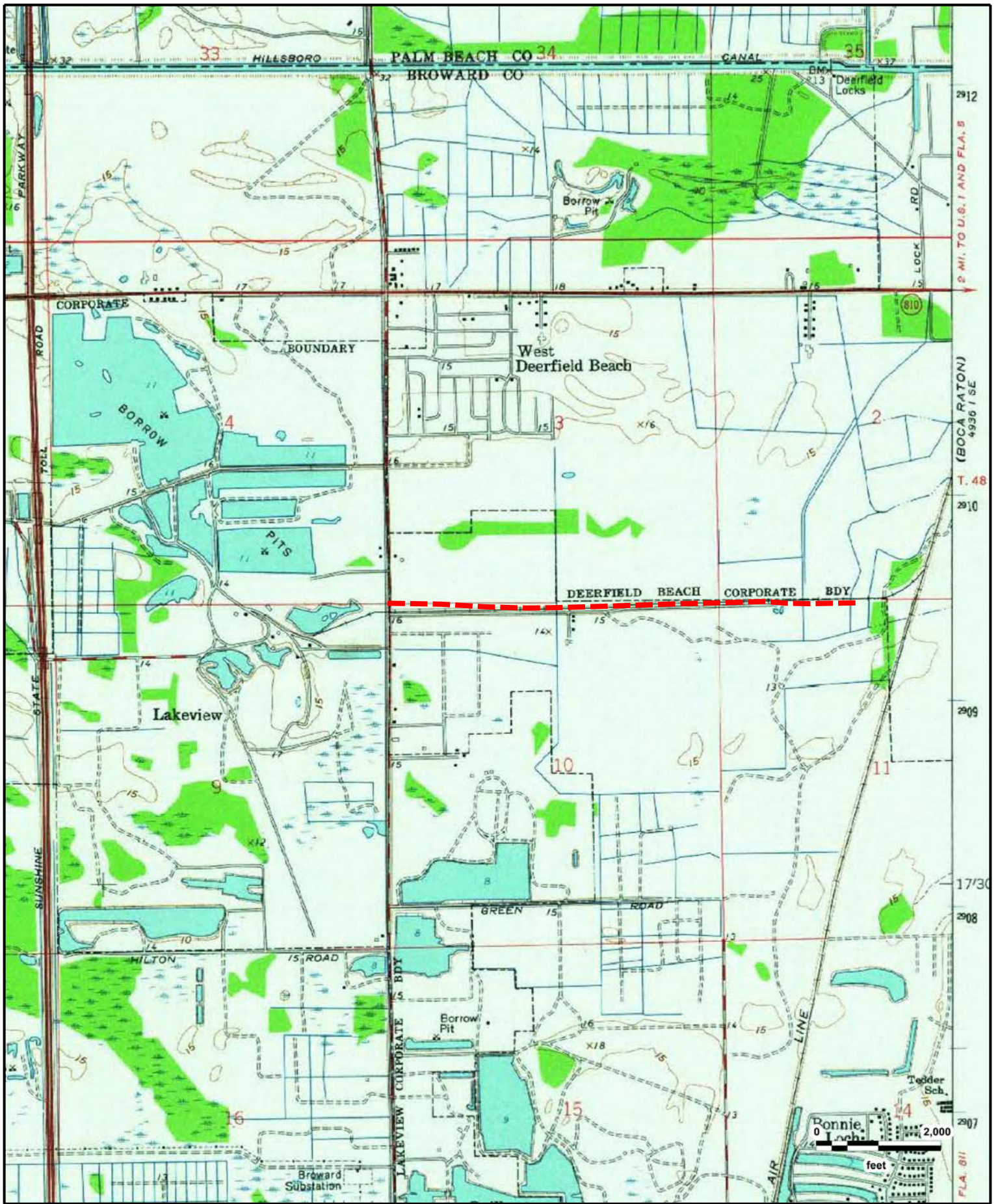
SW 10th Street
West Dixie Bend, FL (1983)

GeoSearch



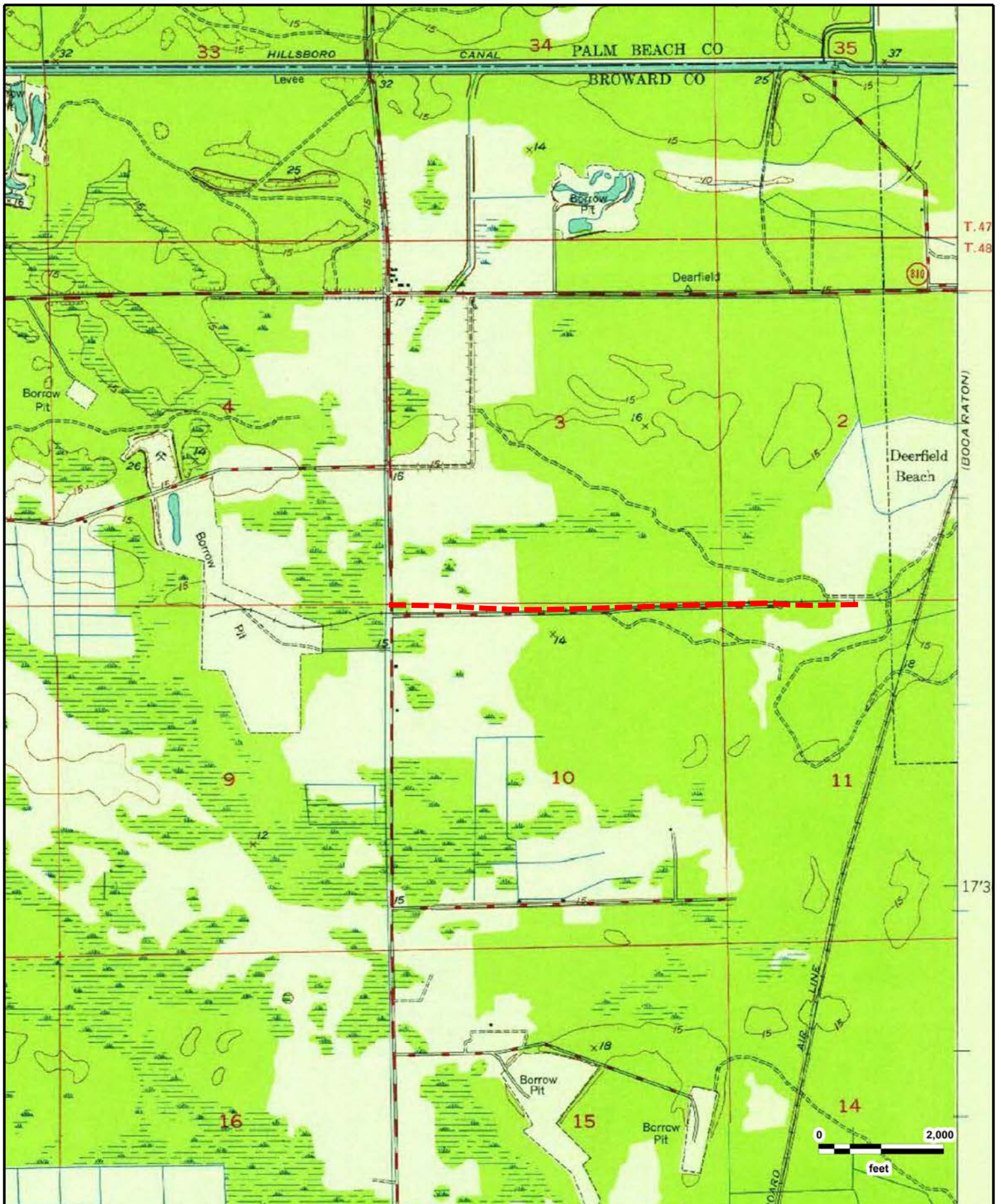
SW 10th Street
West Dixie Bend, FL (1969)

GeoSearch



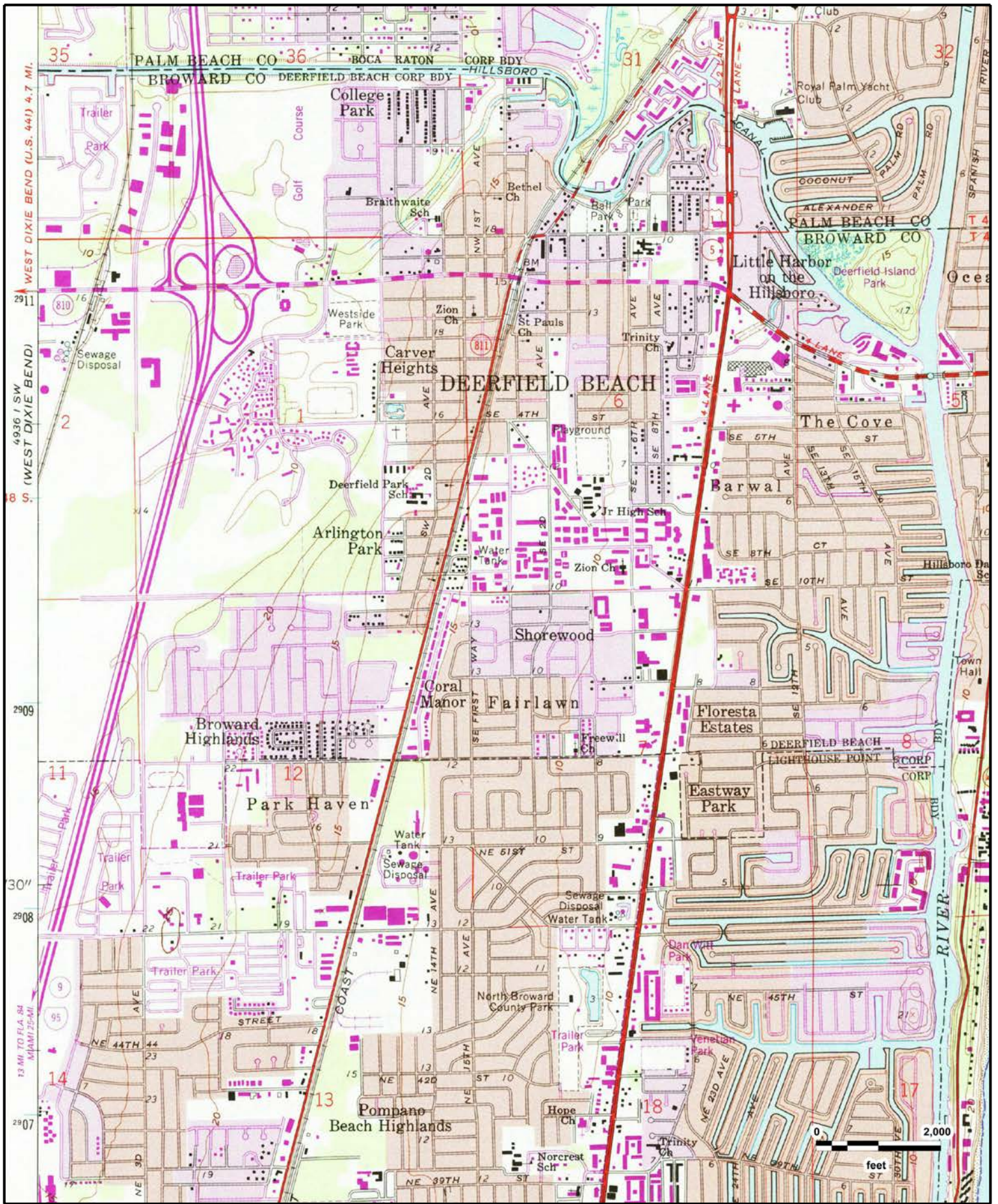
SW 10th Street
West Dixie Bend, FL (1962)

GeoSearch



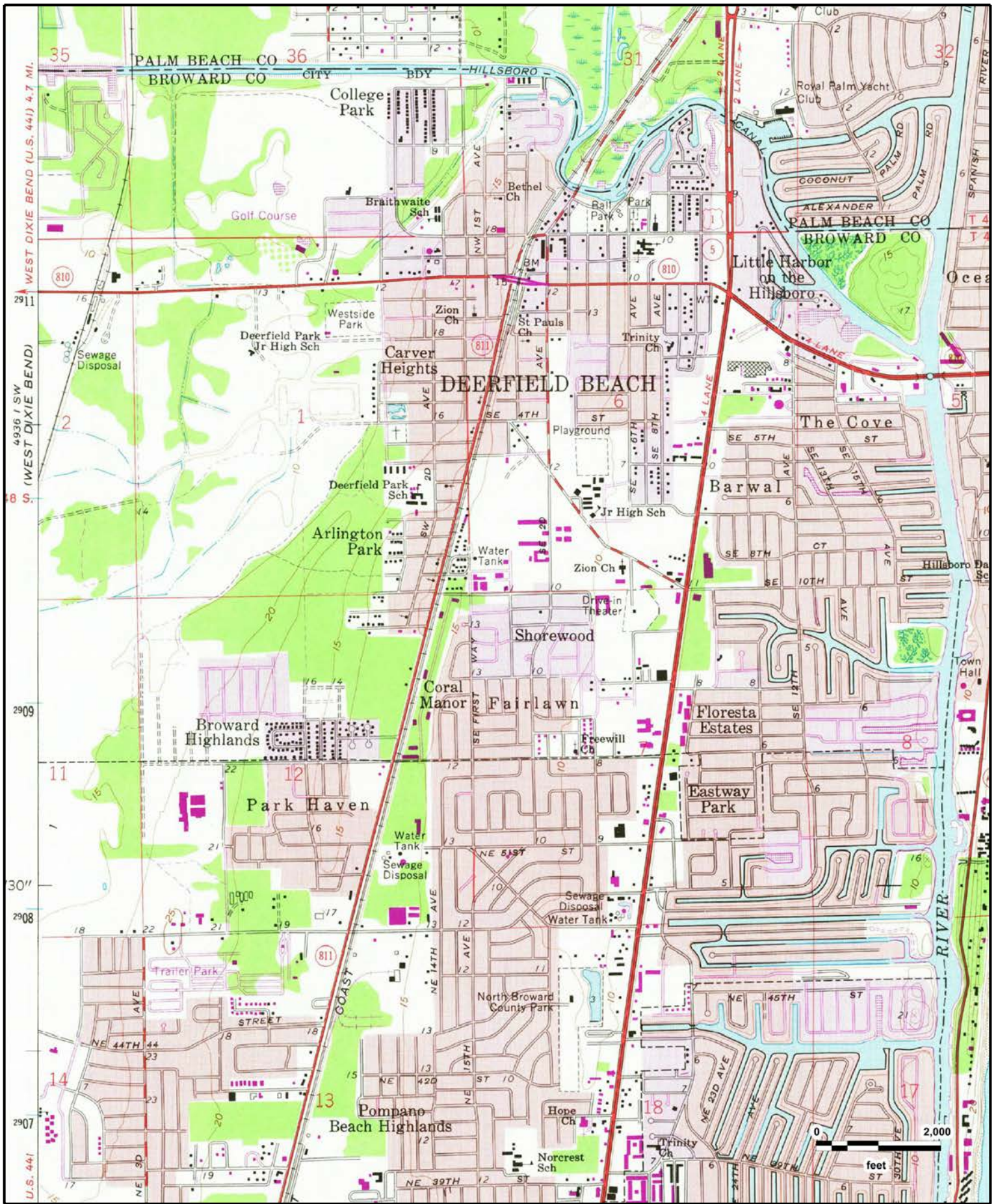
SW 10th Street
 West Dixie Bend, FL (1946)

GeoSearch



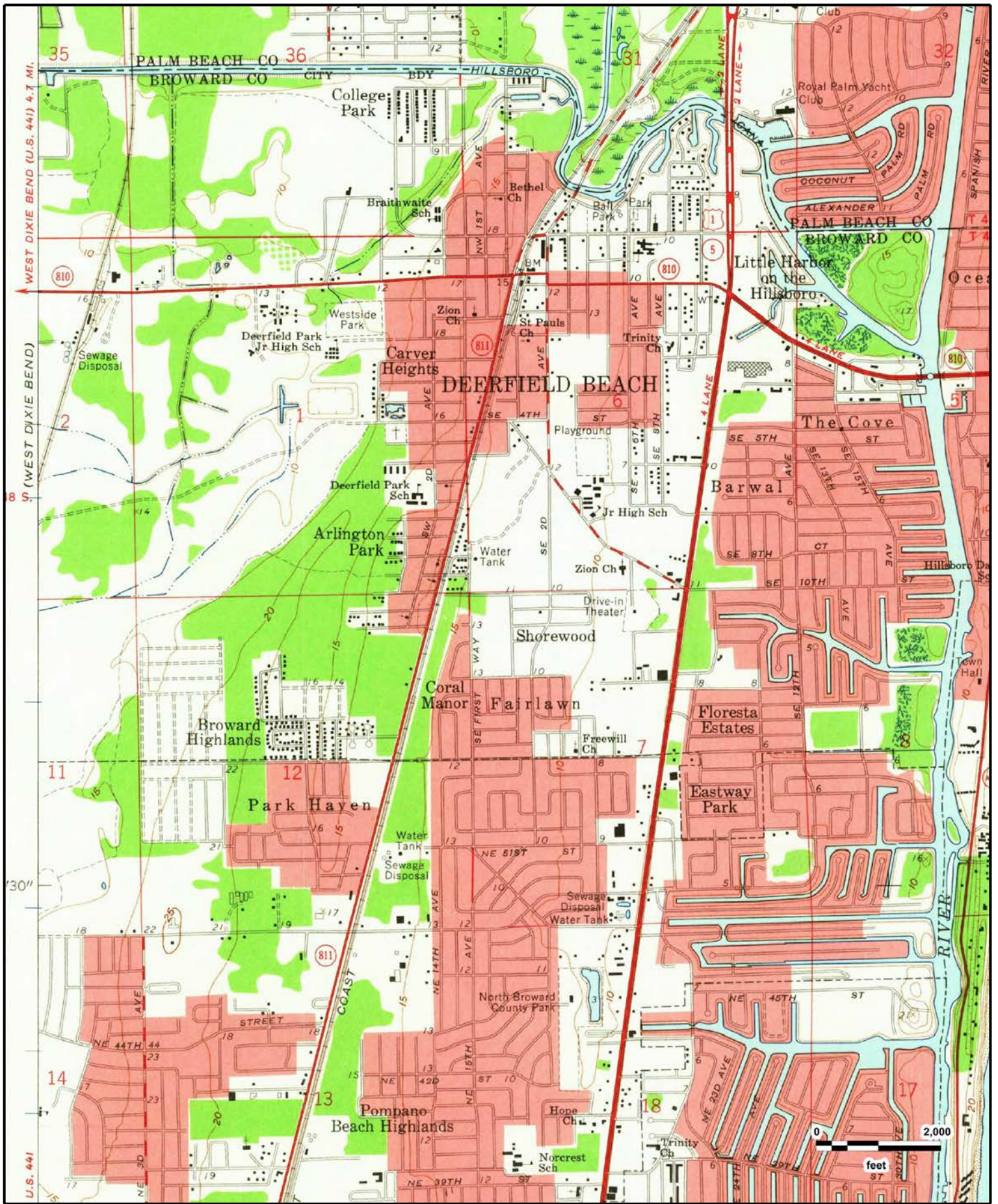
SW 10th Street
Boca Raton, FL (1983)

GeoSearch



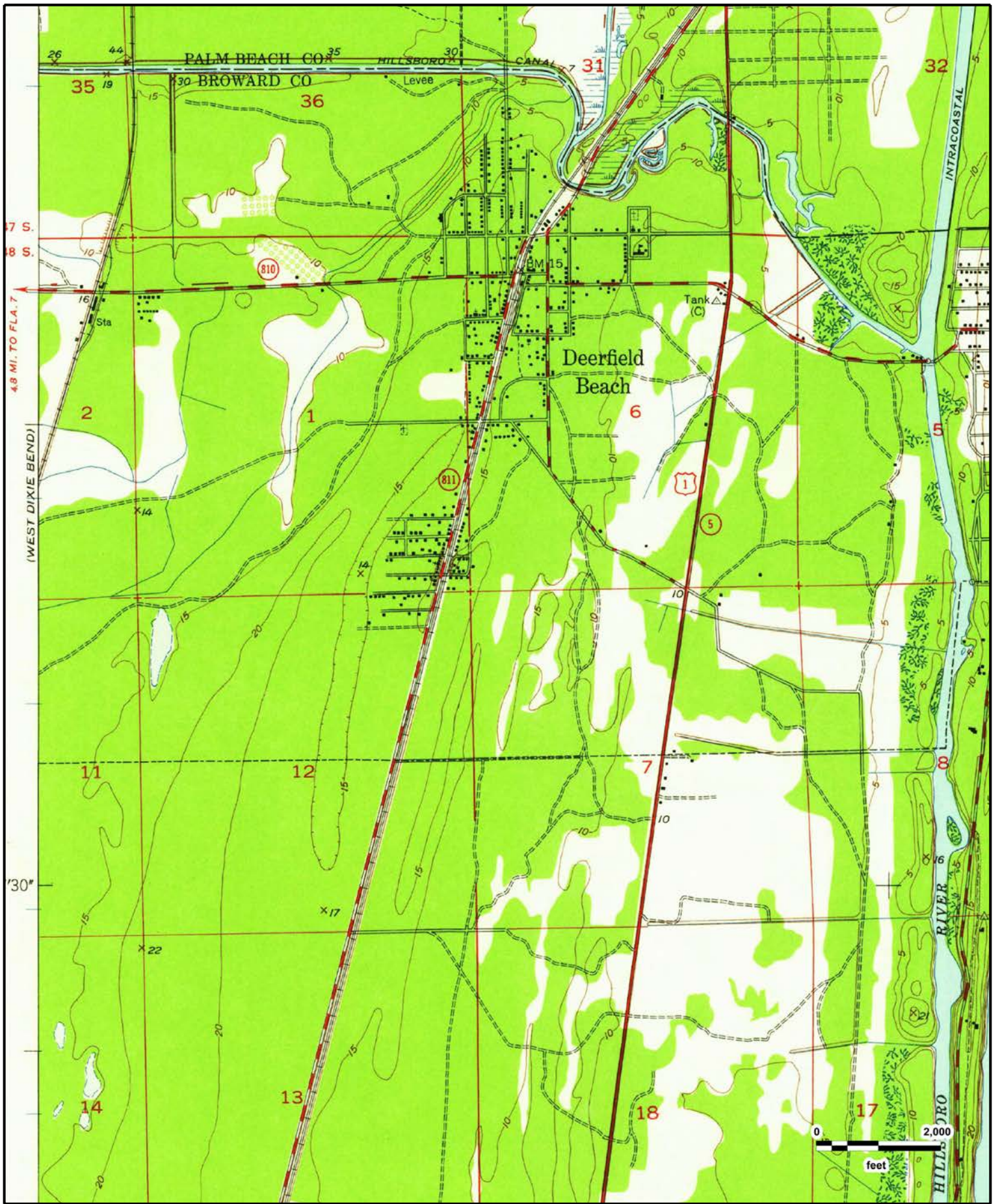
SW 10th Street
Boca Raton, FL (1973)

GeoSearch



SW 10th Street
Boca Raton, FL (1962)

GeoSearch



SW 10th Street
Boca Raton, FL (1946)



City Directory Standard Report

Target Property:

*SW 10th St,
Deerfield Beach, FL 33442*

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Project #: 140504000

Date: 9/1/2017

City Directory Standard Report

SW 10th St, Deerfield Beach, FL 33442

INFOUSA

SOUTH EAST

2016

SW 10TH ST

900	7-ELEVEN
2100	A1 LOCKSMITH DEERFIELD BEACH
2100	CAFE & BAKERY 2000
2100	CJM CONSTRUCTION
2100	COLONNADE PLAZA
2100	DEERFIELD BEACH LOCKS
2100	SOLSKI EWA G MD
2100	STERLING MEDICAL DEERFIELD
2100	VA DEERFIELD BEACH CLINIC
2150	MILHOUS GROUP
2150	RICK DIAZ
2150	XTREME POLISHING SYSTEMS
2200	ACQUNITIY INTERACTIVE
2200	AMERICAN CREDIT REPORT
2200	CONVEY HEALTH SOLUTIONS
2200	HOMEBRIDGE SECURITY LLC
2200	INBOX EXPRESS
2200	REVSHARE
3155	A SOUTHEAST LAMINATING
3155	IT'SUGAR LLC
3155	LEE MORI & ASSOC
3155	MODULAR DOCUMENT SOLUTIONS LLC
3155	MORI LEE ATTY
3155	PAYCHEX INC
3155	QUESTINGHOUND TECHNOLOGIES PAR
3155	QUIET WATER BUSINESS PK
3161	SIRIUS XM RADIO INC
3350	PUBLIC STORAGE
3400	BROCKWAY FIRE PROTECTION INTL
3400	FOUNDATION ART SVC

City Directory Standard Report

SW 10th St, Deerfield Beach, FL 33442

3400 HYVAC INC
3400 X [END OF LISTINGS]

INFOUSA

SOUTH

2011

SW 10TH ST

900 ON THE RUN
2100 CAFE & BAKERY 2000
2100 CJM CONSTRUCTION
2100 COLONNADE PLAZA
2100 FERENCZY GABOR I MD
2100 MYERS ANDREA K
2100 STERLING MEDICAL DEERFIELD
2100 VA DEERFIELD BEACH CLINIC
2150 NATIONAL DIAMOND
2150 POOL PEOPLE INC # G9
2200 AMERICAN CREDIT REPORT
2200 HEALTH BENEFITS DIRECT
2200 HOMEBRIDGE SECURITY LLC
3155 A SOUTHEAST LAMINATING
3155 MERYL DEUTSCH & ASSOC INC
3155 PAYCHEX BUSINESS SOLUTIONS
3155 QUESTING HOUND TECHNOLOGIES
3155 QUIET WATER BUSINESS PK
3161 SIRIUS XM RADIO INC
3165 DEVCON CARIBBEAN PURCHASING
3350 PUBLIC STORAGE
3400 BROCKWAY FIRE PROTECTION INTL
3400 HYVAC INC
3404 OCEAN SHUTTERS MFG INC
3650 OUT OF THIS WORLD ENTRTN
3650 WOODMONT SUMMER CAMP # 1

BRESSER'S

City Directory Standard Report

SW 10th St, Deerfield Beach, FL 33442

POMPANO BEACH 2006-07
& DEERFIELD

SW 10TH ST

917	WINSTED ENVELOPE MANUFACTURES
917	WINSTED THERMOGRAPHERS INC
917	WINSTED THERMOGRAPHERS INC
917	X [E NEWPORT CENTER DR INTS]
917	Y [S MILITARY TRL INTS]
2100	AIRWAVE WIRELESS INC
2100	BUILDING
2100	C J M CONSTRUCTION
2100	CAFE & BAKERY 2000
2100	COLONNADE PLAZA
2100	PLACES 4 RENT
2100	STERLING MEDICAL DEERFIELD
2100	TRACKER SYSTEMS INC
2100	UNITD DIVERSFD ENTPRS INC
2100	UNITD DRVSFD ENTERPRISED INC
2100	UNITD SECURITY SERVICE
2100	YA PRIMARY CARE CLINIC
2150	POOL PEOPLE THE
2200	NO CURRENT LISTING
2200	X [HARWOOD DR INTS]
2200	Y [SW 30TH AVE INTS]
3155	EXPERT REAL ESTATE SERV INC
3155	EXPERT REAL ESTATE SERVICE
3155	QUIET WATER BUSINESS PK
3155	SOUTHEAST LAMINATING INC
3161	XM SATELLITE RADIO
3165	NO CURRENT LISTING
3175	CENTURY MAINTENANCE&MANAGEMENT
3350	PUBLIC STORAGE
3350	PUBLIC STORAGE
3350	X [SAWGRASS EXPY INTS]

City Directory Standard Report

SW 10th St, Deerfield Beach, FL 33442

3350	Y [S POWERLINE RD INTS]
3650	CHIRO-FITNESS CENTER
3650	FUNCTIONAL REHABILITATION INC
3650	GOLD'S GYM OF DEERFIELD BEACH
3650	MORE BEEPS & CELLULAR INC
3650	THAME REALTY
3650	THE SPORTS COMPLEX
3650	VELOCITY MARTIAL ARTS
3650	X [INDEPENDENCE DR INTS]

CITY PUBLISHING COMPANY INC.

FORT 2000
LAUDERDALE AND
VICINITY

SW 10TH ST

900	MOBIL OIL CORP
2200	FOSBACK NORMAN G
2200	FUND WATCH
2200	INSIDERS
2200	INSTITUTE FOR ECONOMETRIC RESEARCH
2200	INVESTOR'S DIGEST
2200	MARKET LOGIC
2200	MUTUAL FUND BUYERS GUIDE
2200	MUTUAL FUND FORECASTER
2200	MUTUAL FUND WEEKLY
2200	MUTUAL FUNDS MAGAZINE
2200	NEW ISSUES
2200	PARKER GLEN KING
2200	PROFESSIONAL INVESTOR
2200	STOCK MARKET WEEKLY
3165	DEVCON INTERNATIONAL CORPORATION [CONTR] MAINTENANCE DEPT
3175	CENTURY MAINTENANCE & MANAGEMENT
3350	PENSKE TRUCK LEASING

City Directory Standard Report

SW 10th St, Deerfield Beach, FL 33442

3350 PUBLIC STORAGE STORAGE
LOCATIONS
3350 STORAGE TRUST
3650 AMERIKA-DO KARATE & SELF
DEFENSE ACADEMY

CITY PUBLISHING COMPANY INC.

FORT 1995
LAUDERDALE AND
VICINITY

SW 10TH ST

297 WALLCUTT STUDIO
3165 DEVCON INTERNATIONAL
CORPORATION [CONTR]
MAINTENANCE DEPT
3175 BRANDSMART SVC CORP-
DEERFIELD
3175 BRANDSMART USA DEERFIELD
3175 ENCORE MTCE & MGT
3175 X [END OF LISTINGS]

CITY PUBLISHING COMPANY INC.

FORT 1992
LAUDERDALE AND
VICINITY

SW 10TH ST

297 WALLCUTT STUDIO
3165 DEVCON INTERNATIONAL
CORPORATION [CONTR]
MAINTENANCE DEPT
3175 BRANDSMART SVC CORP-
DEERFIELD
3175 BRANDSMART USA DEERFIELD
3175 ENCORE MTCE & MGT
3175 X [END OF LISTINGS]

R.L. POLK & CO.

POMPANO BEACH 1983-84
(BROWARD
COUNTY)

SW 10TH ST

RANGE NOT LISTED - LISTINGS END
WITH 74

R.L. POLK & CO.

City Directory Standard Report

SW 10th St, Deerfield Beach, FL 33442

POMPANO BEACH 1980
(BROWARD
COUNTY)

SW 10TH ST

RANGE NOT LISTED - LISTINGS END
WITH 72

Comment:

City Directory Target Property Address

Target Property:

*SW 10th St,
Deerfield Beach, FL 33442*

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Project #: 140504000

Date: 9/1/2017

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

SW 10TH ST

1983-84	RANGE NOT LISTED - LISTINGS END WITH 74	R.L. POLK & CO.	POMPANO BEACH (BROWARD COUNTY)
1980	RANGE NOT LISTED - LISTINGS END WITH 72	R.L. POLK & CO.	POMPANO BEACH (BROWARD COUNTY)

297 SW 10TH ST

1995	WALLCUTT STUDIO	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	WALLCUTT STUDIO	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

900 SW 10TH ST

2016	7-ELEVEN	INFOUSA	SOUTH EAST
2011	ON THE RUN	INFOUSA	SOUTH
2000	MOBIL OIL CORP	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

917 SW 10TH ST

2006-07	WINSTED ENVELOPE MANUFACTURES	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	WINSTED THERMOGRAPHERS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	WINSTED THERMOGRAPHERS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [E NEWPORT CENTER DR INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	Y [S MILITARY TRL INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD

2100 SW 10TH ST

2016	A1 LOCKSMITH DEERFIELD BEACH	INFOUSA	SOUTH EAST
2016	CAFE & BAKERY 2000	INFOUSA	SOUTH EAST
2016	CJM CONSTRUCTION	INFOUSA	SOUTH EAST
2016	COLONNADE PLAZA	INFOUSA	SOUTH EAST
2016	DEERFIELD BEACH LOCKS	INFOUSA	SOUTH EAST
2016	SOLSKI EWA G MD	INFOUSA	SOUTH EAST
2016	STERLING MEDICAL DEERFIELD	INFOUSA	SOUTH EAST
2016	VA DEERFIELD BEACH CLINIC	INFOUSA	SOUTH EAST

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

2011	CAFE & BAKERY 2000	INFOUSA	SOUTH
2011	CJM CONSTRUCTION	INFOUSA	SOUTH
2011	COLONNADE PLAZA	INFOUSA	SOUTH
2011	FERENCZY GABOR I MD	INFOUSA	SOUTH
2011	MYERS ANDREA K	INFOUSA	SOUTH
2011	STERLING MEDICAL DEERFIELD	INFOUSA	SOUTH
2011	VA DEERFIELD BEACH CLINIC	INFOUSA	SOUTH
2006-07	BUILDING	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	AIRWAVE WIRELESS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	C J M CONSTRUCTION	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	CAFE & BAKERY 2000	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	COLONNADE PLAZA	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	PLACES 4 RENT	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	STERLING MEDICAL DEERFIELD	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	TRACKER SYSTEMS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	UNITD DIVERSFD ENTPRS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	UNITD DRVSFD ENTERPRISED INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	UNITD SECURITY SERVICE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	YA PRIMARY CARE CLINIC	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>2150 SW 10TH ST</u>			
2016	MILHOUS GROUP	INFOUSA	SOUTH EAST
2016	RICK DIAZ	INFOUSA	SOUTH EAST
2016	XTREME POLISHING SYSTEMS	INFOUSA	SOUTH EAST
2011	NATIONAL DIAMOND	INFOUSA	SOUTH
2011	POOL PEOPLE INC	# G9 INFOUSA	SOUTH
2006-07	POOL PEOPLE THE	BRESSER'S	POMPANO BEACH & DEERFIELD

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

2200 SW 10TH ST

2016	ACQUNITY INTERACTIVE	INFOUSA	SOUTH EAST
2016	AMERICAN CREDIT REPORT	INFOUSA	SOUTH EAST
2016	CONVEY HEALTH SOLUTIONS	INFOUSA	SOUTH EAST
2016	HOMEBRIDGE SECURITY LLC	INFOUSA	SOUTH EAST
2016	INBOX EXPRESS	INFOUSA	SOUTH EAST
2016	REVSHARE	INFOUSA	SOUTH EAST
2011	AMERICAN CREDIT REPORT	INFOUSA	SOUTH
2011	HEALTH BENEFITS DIRECT	INFOUSA	SOUTH
2011	HOMEBRIDGE SECURITY LLC	INFOUSA	SOUTH
2006-07	NO CURRENT LISTING	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [HARWOOD DR INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	Y [SW 30TH AVE INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	FOSBACK NORMAN G	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	FUND WATCH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	INSIDERS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	INSTITUTE FOR ECONOMETRIC RESEARCH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	INVESTOR'S DIGEST	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	MARKET LOGIC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	MUTUAL FUND FORECASTER	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	MUTUAL FUND BUYERS GUIDE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	MUTUAL FUND WEEKLY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

2000	MUTUAL FUNDS MAGAZINE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	NEW ISSUES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	PARKER GLEN KING	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	PROFESSIONAL INVESTOR	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	STOCK MARKET WEEKLY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

3155 SW 10TH ST

2016	A SOUTHEAST LAMINATING	INFOUSA	SOUTH EAST
2016	IT'SUGAR LLC	INFOUSA	SOUTH EAST
2016	LEE MORI & ASSOC	INFOUSA	SOUTH EAST
2016	MODULAR DOCUMENT SOLUTIONS LLC	INFOUSA	SOUTH EAST
2016	MORI LEE ATTY	INFOUSA	SOUTH EAST
2016	PAYCHEX INC	INFOUSA	SOUTH EAST
2016	QUESTINGHOUND TECHNOLOGIES PAR	INFOUSA	SOUTH EAST
2016	QUIET WATER BUSINESS PK	INFOUSA	SOUTH EAST
2011	A SOUTHEAST LAMINATING	INFOUSA	SOUTH
2011	MERYL DEUTSCH & ASSOC INC	INFOUSA	SOUTH
2011	PAYCHEX BUSINESS SOLUTIONS	INFOUSA	SOUTH
2011	QUESTING HOUND TECHNOLOGIES	INFOUSA	SOUTH
2011	QUIET WATER BUSINESS PK	INFOUSA	SOUTH
2006-07	EXPERT REAL ESTATE SERV INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	EXPERT REAL ESTATE SERVICE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	QUIET WATER BUSINESS PK	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	SOUTHEAST LAMINATING INC	BRESSER'S	POMPANO BEACH & DEERFIELD

3161 SW 10TH ST

2016	SIRIUS XM RADIO INC	INFOUSA	SOUTH EAST
2011	SIRIUS XM RADIO INC	INFOUSA	SOUTH

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

2006-07	XM SATELLITE RADIO	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>3165 SW 10TH ST</u>			
2011	DEVCON CARIBBEAN PURCHASING	INFOUSA	SOUTH
2006-07	NO CURRENT LISTING	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	DEVCON INTERNATIONAL CORPORATION [CONTR] MAINTENANCE DEPT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	DEVCON INTERNATIONAL CORPORATION [CONTR] MAINTENANCE DEPT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	DEVCON INTERNATIONAL CORPORATION [CONTR] MAINTENANCE DEPT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>3175 SW 10TH ST</u>			
2006-07	CENTURY MAINTENANCE&MANAGEMENT	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	CENTURY MAINTENANCE & MANAGEMENT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	ENCORE MTCE & MGT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	BRANDSMART SVC CORP-DEERFIELD	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	BRANDSMART USA DEERFIELD	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	X [END OF LISTINGS]	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	ENCORE MTCE & MGT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	BRANDSMART SVC CORP-DEERFIELD	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	BRANDSMART USA DEERFIELD	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	X [END OF LISTINGS]	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

3350 SW 10TH ST

2016	PUBLIC STORAGE	INFOUSA	SOUTH EAST
2011	PUBLIC STORAGE	INFOUSA	SOUTH
2006-07	PUBLIC STORAGE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	PUBLIC STORAGE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [SAWGRASS EXPY INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	Y [S POWERLINE RD INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	PENSKE TRUCK LEASING	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	PUBLIC STORAGE STORAGE LOCATIONS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	STORAGE TRUST	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

3400 SW 10TH ST

2016	X [END OF LISTINGS]	INFOUSA	SOUTH EAST
2016	BROCKWAY FIRE PROTECTION INTL	INFOUSA	SOUTH EAST
2016	FOUNDATION ART SVC	INFOUSA	SOUTH EAST
2016	HYVAC INC	INFOUSA	SOUTH EAST
2011	BROCKWAY FIRE PROTECTION INTL	INFOUSA	SOUTH
2011	HYVAC INC	INFOUSA	SOUTH

3404 SW 10TH ST

2011	OCEAN SHUTTERS MFG INC	INFOUSA	SOUTH
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3650 SW 10TH ST

2011	OUT OF THIS WORLD ENTRTN	INFOUSA	SOUTH
2011	WOODMONT SUMMER CAMP	INFOUSA	SOUTH
2006-07	CHIRO-FITNESS CENTER	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	FUNCTIONAL REHABILITATION INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	GOLD'S GYM OF DEERFIELD BEACH	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	MORE BEEPS & CELLULAR INC	BRESSER'S	POMPANO BEACH & DEERFIELD

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

2006-07	THAME REALTY	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	THE SPORTS COMPLEX	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	VELOCITY MARTIAL ARTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [INDEPENDENCE DR INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	AMERIKA-DO KARATE & SELF DEFENSE ACADEMY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

Comment:

City Directory Standard Report

Target Property:

*S Military Trl,
Deerfield Beach, FL 33442*

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Project #: 140504000

Date: 9/1/2017

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

INFOUSA

SOUTH EAST

2016

S MILITARY TRL

806	AGILITY MANAGEMENT INC	
814	TYCO INTEGRATED SECURITY LLC	
816	ABRAMOWITZ TAX & LIEN SVC INC	
824	COMPLETE HOME CARE-BROWARD	
828	RICHARD & RICE CONSTR INC	# 6
834	ROY ANDERSON CORP	
836	PHL INTERNATIONAL INC	
840	ALWAYS CLOSE BY INC	
852	CELL SCIENCE SYSTEMS LLC	
852	WSA SYSTEMS	
998	NANAK'S LANDSCAPING INC	
1031	CHASE	
1031	CHASE BANK	
1044	AL'S QUALITY SHOWER DOORS	
1050	BRAT PACK INTERVENTIONS	# 302
1051	POLLO TROPICAL	
1100	LAKES AT DEERFIELD	
1101	NGUYEN AMI	
1101	SUBWAY	
1101	WALMART NEIGHBORHOOD MARKET	
1101	WALMART PHARMACY	
1105	ARB ENTERPRISES INC	
1105	UNIVERSAL HAIR SPA SALON	
1109	NAIL & SPA	
1109	NAILS & SPA	
1113	WOK N ROLL	
1117	PALM TRAIL PLAZA	
1121	ARTISTS WITH AUTISM INC	# 160
1121	G S COLEMAN CONSTR & ROOFING	# 283
1121	GIGALY	# 220

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

1121	INTERSECTION ONLINE INC	# 236
1121	R & R CONSTRUCTION MGMT	
1121	RADEK GANCARCZYK	# 187
1121	RAINBOW MECHANICAL CO	# 433
1121	STEWART'S CUSTOM SHIRTS INC	# 126
1121	STRATA ASSOCIATES INC	# 255
1121	UPS STORE	
1121	VISLOGIX INC	# 303
1125	SAL'S RESTAURANT & PIZZERIA	
1133	FAMILY WELLNESS PHYSICIANS	
1137	ACE UNDERWRITING GROUP	
1149	METRO P C S-DEERFIELD BEACH	
1149	METRO PCS	
1200	HAAG MANAGEMENT	
1200	PARKSIDE HOMEOWNERS ASSN	
1201	CHEVRON	
1201	DIRECT FROM PHILLY	
1201	U-HAUL NEIGHBORHOOD DEALER	
1204	MULTI TENANT RESIDENTIAL	

INFOUSA

SOUTH

2011

S MILITARY TRL

800	US INFO-COMM INC	
816	ABRAMOWITZ TAX & LIEN INC	
824	KTR CAPITAL PARTNERS	
828	RICHARD & RICE CONSTR INC	# 6
830	PREMIERE GLOBAL SVC INC	
834	BRICE BUILDING CO	
836	PHL INTL INC	
852	CELL SCIENCE SYSTEMS LLC	
870	WILSON & BUIST INC	
998	SOUTH FLORIDA TROLLEY	
1005	PROGRESSIVE INSURANCE	
1031	CHASE	

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

1044	AL'S QUALITY SHOWER DOORS	
1044	FIDALGO ZAHIRA	
1044	HALEY G	
1044	SALINAS ROSALIA	
1050	WELCH RYAN	
1051	POLLO TROPICAL	
1056	PALACIOS OLUSOLA	
1056	PRADO FILIVANA	
1056	ULYSSE MOISE	
1062	DZWILO NICHOLAS	
1062	EDWARDS GLENDA	
1062	MILLER JOSEPH	
1062	SKURDA MICHAEL	
1062	WHEELER SANDRA	
1062	WHEELER SANDRA	
1068	ARIAS LUIS	
1068	FLOHR SUSAN	
1068	GILLIS PAUL E	
1068	TAMAGNONE LISE	
1074	LEVY STEPHEN	
1074	SKARVELES SALLY A	
1080	CARSON'JONES CASSANDRA	
1080	CONNOR LYNNETTE	
1080	HALL ANN	
1080	MACY MARY B	
1086	CLINE DANIELLE	
1086	ENNO JOHN	
1086	PAMPER YOURSELF	
1092	AARON ALLISON	
1092	AARON TAYLOR & ASSOC	# 306
1092	PARNESS CYNTHIA	
1098	BRYANT VERONICA	
1098	FRETZ DONALD JR	

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

1098	SALERNO JOANN	
1100	LAKES AT DEERFIELD	
1105	UNIVERSAL HAIR SALON	
1109	NAILS & SPA	
1110	FERNANDEZ M	
1110	TEIXERA ROSANGELO	
1110	XLR8 PROMOTIONS INC	# 205
1113	WOK N ROLL	
1121	A MOBILE NOTARY SVC	# 245
1121	AMERICAN DIABETES WHOLESALE	# 355
1121	CLARIC SEARCHES INC	# 293
1121	COLLECTION RESULTS INC	# 286
1121	GARCIA'S IMPORT & EXPORT INC	# 167
1121	MATTIAZZO MOZER INC	# 112
1121	PALM TRAIL PLAZA	
1121	SCAN SOUND INC	# 118
1121	SEBOCARATON.COM	
1121	UPS STORE	
1125	SAL'S RESTAURANT & PIZZERIA	
1137	ACE UNDERWRITING GROUP	
1201	CHEVRON	
1201	DIRECT FROM PHILLY	
1204	ALLIANCE CARE	

BRESSER'S

POMPANO BEACH 2006-07
& DEERFIELD

S MILITARY TRL

808	SKYLINE DATA INC	
814	FL WETLANDSBANK	
816	ABRAMOWITZ TAX & LIEN INC	
816	ABRAMOWITZ TAX & LIEN INC	
824	XPEDITE	
824	XPEDITE	
824	XPEDITE	
824	XPEDITE SYSTEMS INC	

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City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

824	XPEDITE SYSTEMS INC
834	BRICE BUILDING COMPANY
836	NO CURRENT LISTING
840	ALWAYS CLOSE BY INC
840	PROFSNL NETWORK SOLUTIONS INC
840	ZTECH PLUS
842	KTR CAPITAL PARTNERS
844	NO CURRENT LISTING
852	WSA SYSTEMS
856	APPROVED FUNDING
856	CSSI
856	IMAGE
856	INTL MRKTG AND GRP ENTPRS
858	HANSON ROOF TILE
870	NO CURRENT LISTING
998	ALL TOGETHER BUS LINES INC
998	LOLLY THE TROLLEY
998	SOUTH FL TROLLEY
998	SOUTH FLORIDA
998	TROLLEY ENTERPRISES INC
998	TROLLEY TOURS
998	X [SW 10TH ST INTS]
1031	WASHINGTON MUTUAL MILLITARY
1044	APARTMENTS
1044	STEAMBRITE OF BOCA INC
1050	APARTMENTS
1051	POLLO TROPICAL STORE 64
1056	APARTMENTS
1062	APARTMENTS
1068	APARTMENTS
1074	APARTMENTS
1080	APARTMENTS
1086	APARTMENTS

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

1092	APARTMENTS
1092	THE POTTER'S MORTGAGE INC
1098	APARTMENTS
1100	LAKES AT DEERFIELD
1101	WINN-DIXIE STORES INC
1101	WINN-DIXIE STORES INC
1105	NO CURRENT LISTING
1109	NAILS & SPA
1110	APARTMENTS
1113	WOK N ROLL
1117	DOLLAR HEAVEN
1117	QUALITY DOLLAR STORE
1121	CONSTRN ETCETERA
1121	MANOR CONSTRUCTION COMPANY
1121	UPS STORE THE
1125	SAL'S RESTAURANT & PIZZERIA
1133	PERSONNEL ONE
1133	PRO LOGISTIX
1133	RESOURCEMFG
1137	ACE UNDERWRITING GROUP
1141	AAA DRY CLEANERS
1145	INSTANT DIGITAL WIRELESS
1149	QUIZNO'S SUBS
1197	WENDY'S OLD FASHIONED HMBRGRS
1201	MILITARY PETROLEUM LLC

CITY PUBLISHING COMPANY INC.

FORT 2000
LAUDERDALE AND
VICINITY

S MILITARY TRL

808	WILLIAM HARRIS ADVERTISING INC
814	ACCU BITE DENTAL SUPPLY INC
816	MANCHU WOK [CHSE FOOD]
824	XPEDITE SYSTEMS INC

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

824	XPEDITE SYSTEMS INC
832	PORTEN COMPANIES INC
834	BRICE BUILDING CO
834	CENTURY VILLAGE EAST CENTURY VILLAGE EAST REPORTER
836	KRANE PRODUCTS INC
840	GREENFIELD HOLDINGS
840	HDL CONSTRUCTION
840	SMALL HOLES INC UTIL CONTRS
844	C M GRAPHICS INC
852	MICROS OF SOUTH FLORIDA INC
858	ADULTCARE INC
858	APPROVED FUNDING
858	COMPUTER SOLUTIONS & SOFTWARE INC
858	INTERNATIONAL MKTNG & GROUP ENTERPRISES
870	RICH'S SALES CO
998	LOLLY THE TROLLEY
998	O K TOURS INC
998	SOUTH FLORIDA TROLLEY
998	TROLLEY TOURS
1044	APARTMENTS
1044-110	LAEKS ATD DEERFIELD APARTMENTS
1050	APARTMENTS
1056	APARTMENTS
1062	APARTMENTS
1068	APARTMENTS
1074	APARTMENTS
1080	APARTMENTS
1080	SEGELBAUM CHARLES
1086	APARTMENTS
1086	YANKWITT ERIC DEL ACCOUNTING
1092	APARTMENTS
1092	SALLY'S PSYCHIC READINGS

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

1098	APARTMENTS
1100	LAKES AT DEERFIELD
1101	WINN-DIXIE STORES INC STORES
1101	WINN-DIXIE STORES PHARMACIES
1105	FIRST CHOICE HAIR CUTTERS
1110	APARTMENTS
1113	MAGIC DRAGON CHINESE EATERY
1117	DOLLAR HEAVEN
1121	CAPTIVATING CRUISES
1121	MALL BOXES ETC
1125	SAL'S RESTAURANT & PIZZERIA
1133	STERLING SOLUTIONS BY PERSONNEL ONE DEERFIELD BEACH
1145	LILLIE'S ALTERATION
1145	ONE PRICE DRY CLEANING
1149	QUIZNO'S SUBS
1197	WENDY'S RESTAURANT
1201	HESS GAS STATION

CITY PUBLISHING COMPANY INC.

FORT 1995
LAUDERDALE AND
VICINITY

S MILITARY TRL

808	BRICE BUILDING CO INC
808	WHIPLASH
814	CHANNELL-TEK INTERNATIONAL CORP
824	ECKERD DRUGS DISTRICT OFFICE
824	ECKERD DRUGS REGIONAL OFFICE
830	SEARS PAINTING SVC
834	CENTURY VILLAGE EAST REPORTER
834	TELESOFT CONSULTING
836	MICROS SYSTEMS INC
840	MILLAR ELEVATOR SVC
844	C M GRAPHICS INC

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S Military Trl, Deerfield Beach, FL 33442

858	ADULTCARE INC
858	APPROVED FUNDING
858	COMPUTER SOLUTIONS & SOFTWARE INC
858	INTERNATIONAL MKTNG & GROUP ENTERPRISES
858	PROGRESSIVE FIN SVCS
870	RICH'S SALES CO
998	CHI'S BUSES INC
998	RJN & ASSOCS INC
1044	MULTI TENANT RESIDENTIAL
1050	MULTI TENANT RESIDENTIAL
1098	MULTI TENANT RESIDENTIAL
1100	DCC CONSTRUCTORS
1100	LAKES AT DEERFIELD
1110	MULTI TENANT RESIDENTIAL
1197	WENDY'S RESTAURANT
1204	MULTI TENANT RESIDENTIAL
1204-16	HORIZON CLUB AT MEADOW LAKES

CITY PUBLISHING COMPANY INC.

FORT 1992
LAUDERDALE AND
VICINITY

S MILITARY TRL

808	WHIPLASH
814	CHANNELL-TEK INTERNATIONAL CORP
816	C M GRAPHICS INC
824	ECKERD DRUG DIST OFC
824	ECKERD DRUGS-STORES DISTRICT OFFICE
834	CENTURY VILLAGE EAST CVE MASTER MGT CO
834	CENTURY VILLAGE EAST REPORTER
836	MICROS SYSTEMS INC
840	MILLAR ELEVATOR SVC
858	METPATH
870	RICH'S SALES CO

City Directory Standard Report

S Military Trl, Deerfield Beach, FL 33442

998	KEYNET CABLE ADV INC
1204-16	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY
1204-16	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY ADMINISTRATION
1204-16	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY ADMINISTRATION
1204-16	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY SALES
1204-16	HORIZON CLUB AT MEADOW LAKES
1204-16	HORIZON CLUB SALES OFFICE
1204-16	HORRIZON CLUB
1204-16	NCNB MEADOW LAKES OFC

R.L. POLK & CO.

POMPANO BEACH 1983-84
(BROWARD
COUNTY)

S MILITARY TRL

STREET NOT LISTED

R.L. POLK & CO.

POMPANO BEACH 1980
(BROWARD
COUNTY)

S MILITARY TRL

STREET NOT LISTED

Comment:

City Directory Target Property Address

Target Property:

*S Military Trl,
Deerfield Beach, FL 33442*

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Project #: 140504000

Date: 9/1/2017

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

S MILITARY TRL

1983-84	STREET NOT LISTED	R.L. POLK & CO.	POMPANO BEACH (BROWARD COUNTY)
1980	STREET NOT LISTED	R.L. POLK & CO.	POMPANO BEACH (BROWARD COUNTY)

800 S MILITARY TRL

2011	US INFO-COMM INC	INFOUSA	SOUTH
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806 S MILITARY TRL

2016	AGILITY MANAGEMENT INC	INFOUSA	SOUTH EAST
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808 S MILITARY TRL

2006-07	SKYLINE DATA INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	WILLIAM HARRIS ADVERTISING INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	BRICE BUILDING CO INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	WHIPLASH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	WHIPLASH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

814 S MILITARY TRL

2016	TYCO INTEGRATED SECURITY LLC	INFOUSA	SOUTH EAST
2006-07	FL WETLANDSBANK	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	ACCU BITE DENTAL SUPPLY INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	CHANNELL-TEK INTERNATIONAL CORP	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	CHANNELL-TEK INTERNATIONAL CORP	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

816 S MILITARY TRL

2016	ABRAMOWITZ TAX & LIEN SVC INC	INFOUSA	SOUTH EAST
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City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

2011	ABRAMOWITZ TAX & LIEN INC	INFOUSA	SOUTH
2006-07	ABRAMOWITZ TAX & LIEN INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	ABRAMOWITZ TAX & LIEN INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	MANCHU WOK [CHSE FOOD]	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	C M GRAPHICS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

824 S MILITARY TRL

2016	COMPLETE HOME CARE-BROWARD	INFOUSA	SOUTH EAST
2011	KTR CAPITAL PARTNERS	INFOUSA	SOUTH
2006-07	XPEDITE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	XPEDITE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	XPEDITE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	XPEDITE SYSTEMS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	XPEDITE SYSTEMS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	XPEDITE SYSTEMS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	XPEDITE SYSTEMS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	ECKERD DRUGS DISTRICT OFFICE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	ECKERD DRUGS REGIONAL OFFICE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	ECKERD DRUG DIST OFC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	ECKERD DRUGS-STORES DISTRICT OFFICE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

828 S MILITARY TRL

2016	RICHARD & RICE CONSTR INC	# 6	INFOUSA	SOUTH EAST
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City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

2011	RICHARD & RICE CONSTR INC	# 6	INFOUSA	SOUTH
<u>830 S MILITARY TRL</u>				
2011	PREMIERE GLOBAL SVC INC		INFOUSA	SOUTH
1995	SEARS PAINTING SVC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>832 S MILITARY TRL</u>				
2000	PORTEN COMPANIES INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>834 S MILITARY TRL</u>				
2016	ROY ANDERSON CORP		INFOUSA	SOUTH EAST
2011	BRICE BUILDING CO		INFOUSA	SOUTH
2006-07	BRICE BUILDING COMPANY		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	BRICE BUILDING CO		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	CENTURY VILLAGE EAST CENTURY VILLAGE EAST REPORTER		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	CENTURY VILLAGE EAST REPORTER		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	TELESOFT CONSULTING		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	CENTURY VILLAGE EAST REPORTER		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	CENTURY VILLAGE EAST CVE MASTER MGT CO		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>836 S MILITARY TRL</u>				
2016	PHL INTERNATIONAL INC		INFOUSA	SOUTH EAST
2011	PHL INTL INC		INFOUSA	SOUTH
2006-07	NO CURRENT LISTING		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	KRANE PRODUCTS INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

1995	MICROS SYSTEMS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	MICROS SYSTEMS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>840 S MILITARY TRL</u>			
2016	ALWAYS CLOSE BY INC	INFOUSA	SOUTH EAST
2006-07	ALWAYS CLOSE BY INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	PROFSNL NETWORK SOLUTIONS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	ZTECH PLUS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	GREENFIELD HOLDINGS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	HDL CONSTRUCTION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	SMALL HOLES INC UTIL CONTRS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	MILLAR ELEVATOR SVC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	MILLAR ELEVATOR SVC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>842 S MILITARY TRL</u>			
2006-07	KTR CAPITAL PARTNERS	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>844 S MILITARY TRL</u>			
2006-07	NO CURRENT LISTING	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	C M GRAPHICS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	C M GRAPHICS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>852 S MILITARY TRL</u>			
2016	CELL SCIENCE SYSTEMS LLC	INFOUSA	SOUTH EAST
2016	WSA SYSTEMS	INFOUSA	SOUTH EAST

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

2011	CELL SCIENCE SYSTEMS LLC	INFOUSA	SOUTH
2006-07	WSA SYSTEMS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	MICROS OF SOUTH FLORIDA INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>856 S MILITARY TRL</u>			
2006-07	APPROVED FUNDING	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	CSSI	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	IMAGE	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	INTL MRKTG AND GRP ENTPRS	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>858 S MILITARY TRL</u>			
2006-07	HANSON ROOF TILE	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	ADULTCARE INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	APPROVED FUNDING	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	COMPUTER SOLUTIONS & SOFTWARE INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	INTERNATIONAL MKTNG & GROUP ENTERPRISES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	ADULTCARE INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	APPROVED FUNDING	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	COMPUTER SOLUTIONS & SOFTWARE INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	INTERNATIONAL MKTNG & GROUP ENTERPRISES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	PROGRESSIVE FIN SVCS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

1992	METPATH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>870 S MILITARY TRL</u>			
2011	WILSON & BUIST INC	INFOUSA	SOUTH
2006-07	NO CURRENT LISTING	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	RICH'S SALES CO	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	RICH'S SALES CO	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	RICH'S SALES CO	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>998 S MILITARY TRL</u>			
2016	NANAK'S LANDSCAPING INC	INFOUSA	SOUTH EAST
2011	SOUTH FLORIDA TROLLEY	INFOUSA	SOUTH
2006-07	ALL TOGETHER BUS LINES INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	LOLLY THE TROLLEY	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	SOUTH FL TROLLEY	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	SOUTH FLORIDA	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	TROLLEY ENTERPRISES INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	TROLLEY TOURS	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [SW 10TH ST INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	LOLLY THE TROLLEY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	O K TOURS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	SOUTH FLORIDA TROLLEY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	TROLLEY TOURS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

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S Military Trl, Deerfield Beach, FL 33442

1995	CHI'S BUSES INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	RJN & ASSOCS INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	KEYNET CABLE ADV INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1005 S MILITARY TRL</u>				
2011	PROGRESSIVE INSURANCE		INFOUSA	SOUTH
<u>1031 S MILITARY TRL</u>				
2016	CHASE		INFOUSA	SOUTH EAST
2016	CHASE BANK		INFOUSA	SOUTH EAST
2011	CHASE		INFOUSA	SOUTH
2006-07	WASHINGTON MUTUAL MILLITARY		BRESSER'S	POMPANO BEACH & DEERFIELD
<u>1044 S MILITARY TRL</u>				
2016	AL'S QUALITY SHOWER DOORS		INFOUSA	SOUTH EAST
2011	FIDALGO ZAHIRA		INFOUSA	SOUTH
2011	HALEY G		INFOUSA	SOUTH
2011	SALINAS ROSALIA		INFOUSA	SOUTH
2011	AL'S QUALITY SHOWER DOORS		INFOUSA	SOUTH
2006-07	APARTMENTS		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	STEAMBRITE OF BOCA INC		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	MULTI TENANT RESIDENTIAL		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1050 S MILITARY TRL</u>				
2016	BRAT PACK INTERVENTIONS	# 302	INFOUSA	SOUTH EAST
2011	WELCH RYAN		INFOUSA	SOUTH
2006-07	APARTMENTS		BRESSER'S	POMPANO BEACH & DEERFIELD

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	MULTI TENANT RESIDENTIAL	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1051 S MILITARY TRL</u>			
2016	POLLO TROPICAL	INFOUSA	SOUTH EAST
2011	POLLO TROPICAL	INFOUSA	SOUTH
2006-07	POLLO TROPICAL STORE 64	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>1056 S MILITARY TRL</u>			
2011	PALACIOS OLUSOLA	INFOUSA	SOUTH
2011	PRADO FILIVANA	INFOUSA	SOUTH
2011	ULYSSE MOISE	INFOUSA	SOUTH
2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1062 S MILITARY TRL</u>			
2011	DZWILO NICHOLAS	INFOUSA	SOUTH
2011	EDWARDS GLENDA	INFOUSA	SOUTH
2011	MILLER JOSEPH	INFOUSA	SOUTH
2011	SKURDA MICHAEL	INFOUSA	SOUTH
2011	WHEELER SANDRA	INFOUSA	SOUTH
2011	WHEELER SANDRA	INFOUSA	SOUTH
2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1068 S MILITARY TRL</u>			
2011	ARIAS LUIS	INFOUSA	SOUTH
2011	FLOHR SUSAN	INFOUSA	SOUTH
2011	GILLIS PAUL E	INFOUSA	SOUTH
2011	TAMAGNONE LISE	INFOUSA	SOUTH

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1074 S MILITARY TRL</u>			
2011	LEVY STEPHEN	INFOUSA	SOUTH
2011	SKARVELES SALLY A	INFOUSA	SOUTH
2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1080 S MILITARY TRL</u>			
2011	CARSON JONES CASSANDRA	INFOUSA	SOUTH
2011	CONNOR LYNNETTE	INFOUSA	SOUTH
2011	HALL ANN	INFOUSA	SOUTH
2011	MACY MARY B	INFOUSA	SOUTH
2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	SEGELBAUM CHARLES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1086 S MILITARY TRL</u>			
2011	CLINE DANIELLE	INFOUSA	SOUTH
2011	ENNO JOHN	INFOUSA	SOUTH
2011	PAMPER YOURSELF	INFOUSA	SOUTH
2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	YANKWITT ERIC DEL ACCOUNTING	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1092 S MILITARY TRL</u>			
2011	AARON ALLISON	INFOUSA	SOUTH

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2011	AARON TAYLOR & ASSOC	# 306	INFOUSA	SOUTH
2011	PARNESS CYNTHIA		INFOUSA	SOUTH
2006-07	APARTMENTS		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	THE POTTER'S MORTGAGE INC		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	SALLY'S PSYCHIC READINGS		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1098 S MILITARY TRL</u>				
2011	BRYANT VERONICA		INFOUSA	SOUTH
2011	FRETZ DONALD JR		INFOUSA	SOUTH
2011	SALERNO JOANN		INFOUSA	SOUTH
2006-07	APARTMENTS		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	MULTI TENANT RESIDENTIAL		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1100 S MILITARY TRL</u>				
2016	LAKES AT DEERFIELD		INFOUSA	SOUTH EAST
2011	LAKES AT DEERFIELD		INFOUSA	SOUTH
2006-07	LAKES AT DEERFIELD		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	LAKES AT DEERFIELD		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	DCC CONSTRUCTORS		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	LAKES AT DEERFIELD		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1101 S MILITARY TRL</u>				
2016	NGUYEN AMI		INFOUSA	SOUTH EAST
2016	SUBWAY		INFOUSA	SOUTH EAST

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2016	WALMART NEIGHBORHOOD MARKET	INFOUSA	SOUTH EAST
2016	WALMART PHARMACY	INFOUSA	SOUTH EAST
2006-07	WINN-DIXIE STORES INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	WINN-DIXIE STORES INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	WINN-DIXIE STORES PHARMACIES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	WINN-DIXIE STORES INC STORES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1105 S MILITARY TRL</u>			
2016	ARB ENTERPRISES INC	INFOUSA	SOUTH EAST
2016	UNIVERSAL HAIR SPA SALON	INFOUSA	SOUTH EAST
2011	UNIVERSAL HAIR SALON	INFOUSA	SOUTH
2006-07	NO CURRENT LISTING	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	FIRST CHOICE HAIR CUTTERS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1109 S MILITARY TRL</u>			
2016	NAIL & SPA	INFOUSA	SOUTH EAST
2016	NAILS & SPA	INFOUSA	SOUTH EAST
2011	NAILS & SPA	INFOUSA	SOUTH
2006-07	NAILS & SPA	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>1110 S MILITARY TRL</u>			
2011	FERNANDEZ M	INFOUSA	SOUTH
2011	TEIXERA ROSANGELO	INFOUSA	SOUTH
2011	XLR8 PROMOTIONS INC	# 205 INFOUSA	SOUTH
2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	MULTI TENANT RESIDENTIAL	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

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1113 S MILITARY TRL

2016	WOK N ROLL	INFOUSA	SOUTH EAST
2011	WOK N ROLL	INFOUSA	SOUTH
2006-07	WOK N ROLL	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	MAGIC DRAGON CHINESE EATERY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1117 S MILITARY TRL

2016	PALM TRAIL PLAZA	INFOUSA	SOUTH EAST
2006-07	DOLLAR HEAVEN	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	QUALITY DOLLAR STORE	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	DOLLAR HEAVEN	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1121 S MILITARY TRL

2016	ARTISTS WITH AUTISM INC	# 160	INFOUSA	SOUTH EAST
2016	G S COLEMAN CONSTR & ROOFING	# 283	INFOUSA	SOUTH EAST
2016	GIGALY	# 220	INFOUSA	SOUTH EAST
2016	INTERSECTION ONLINE INC	# 236	INFOUSA	SOUTH EAST
2016	R & R CONSTRUCTION MGMT		INFOUSA	SOUTH EAST
2016	RADEK GANCARCZYK	# 187	INFOUSA	SOUTH EAST
2016	RAINBOW MECHANICAL CO	# 433	INFOUSA	SOUTH EAST
2016	STEWART'S CUSTOM SHIRTS INC	# 126	INFOUSA	SOUTH EAST
2016	STRATA ASSOCIATES INC	# 255	INFOUSA	SOUTH EAST
2016	UPS STORE		INFOUSA	SOUTH EAST
2016	VISLOGIX INC	# 303	INFOUSA	SOUTH EAST
2011	A MOBILE NOTARY SVC	# 245	INFOUSA	SOUTH
2011	AMERICAN DIABETES WHOLESALE	# 355	INFOUSA	SOUTH
2011	CLARIC SEARCHES INC	# 293	INFOUSA	SOUTH
2011	COLLECTION RESULTS INC	# 286	INFOUSA	SOUTH
2011	GARCIA'S IMPORT & EXPORT INC	# 167	INFOUSA	SOUTH
2011	MATTIAZZO MOZER INC	# 112	INFOUSA	SOUTH
2011	PALM TRAIL PLAZA		INFOUSA	SOUTH

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2011	SCAN SOUND INC	# 118	INFOUSA	SOUTH
2011	SEBOCARATON.COM		INFOUSA	SOUTH
2011	UPS STORE		INFOUSA	SOUTH
2006-07	CONSTRN ETCETERA		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	MANOR CONSTRUCTION COMPANY		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	UPS STORE THE		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	CAPTIVATING CRUISES		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	MALL BOXES ETC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1125 S MILITARY TRL</u>				
2016	SAL'S RESTAURANT & PIZZERIA		INFOUSA	SOUTH EAST
2011	SAL'S RESTAURANT & PIZZERIA		INFOUSA	SOUTH
2006-07	SAL'S RESTAURANT & PIZZERIA		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	SAL'S RESTAURANT & PIZZERIA		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1133 S MILITARY TRL</u>				
2016	FAMILY WELLNESS PHYSICIANS		INFOUSA	SOUTH EAST
2006-07	PERSONNEL ONE		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	PRO LOGISTIX		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	RESOURCEMFG		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	STERLING SOLUTIONS BY PERSONNEL ONE DEERFIELD BEACH		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1137 S MILITARY TRL</u>				
2016	ACE UNDERWRITING GROUP		INFOUSA	SOUTH EAST
2011	ACE UNDERWRITING GROUP		INFOUSA	SOUTH
2006-07	ACE UNDERWRITING GROUP		BRESSER'S	POMPANO BEACH & DEERFIELD

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

1141 S MILITARY TRL

2006-07	AAA DRY CLEANERS	BRESSER'S	POMPANO BEACH & DEERFIELD
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1145 S MILITARY TRL

2006-07	INSTANT DIGITAL WIRELESS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	LILLIE'S ALTERATION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	ONE PRICE DRY CLEANING	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1149 S MILITARY TRL

2016	METRO P C S-DEERFIELD BEACH	INFOUSA	SOUTH EAST
2016	METRO PCS	INFOUSA	SOUTH EAST
2006-07	QUIZNO'S SUBS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	QUIZNO'S SUBS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1197 S MILITARY TRL

2006-07	WENDY'S OLD FASHIONED HMBRGRS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	WENDY'S RESTAURANT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	WENDY'S RESTAURANT	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1200 S MILITARY TRL

2016	HAAG MANAGEMENT	INFOUSA	SOUTH EAST
2016	PARKSIDE HOMEOWNERS ASSN	INFOUSA	SOUTH EAST

1201 S MILITARY TRL

2016	CHEVRON	INFOUSA	SOUTH EAST
2016	DIRECT FROM PHILLY	INFOUSA	SOUTH EAST
2016	U-HAUL NEIGHBORHOOD DEALER	INFOUSA	SOUTH EAST
2011	CHEVRON	INFOUSA	SOUTH
2011	DIRECT FROM PHILLY	INFOUSA	SOUTH
2006-07	MILITARY PETROLEUM LLC	BRESSER'S	POMPANO BEACH & DEERFIELD

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2000	HESS GAS STATION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1204 S MILITARY TRL</u>			
2016	MULTI TENANT RESIDENTIAL	INFOUSA	SOUTH EAST
2011	ALLIANCE CARE	INFOUSA	SOUTH
1995	MULTI TENANT RESIDENTIAL	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1044-110 S MILITARY TRL</u>			
2000	LAEKS ATD DEERFIELD APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1204-16 S MILITARY TRL</u>			
1995	HORIZON CLUB AT MEADOW LAKES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORIZON CLUB AT MEADOW LAKES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORRIZON CLUB	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY SALES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY ADMINISTRATION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORIZON CLUB A MARRIOTT SENIOR LIVING COMMUNITY ADMINISTRATION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	NCNB MEADOW LAKES OFC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	HORIZON CLUB SALES OFFICE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

Comment:

City Directory Standard Report

Target Property:

*S Powerline Rd,
Deerfield Beach, FL 33442*

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Project #: 140504000

Date: 9/1/2017

City Directory Standard Report

S Powerline Rd, Deerfield Beach, FL 33442

INFOUSA

SOUTH EAST

2016

S POWERLINE RD

710	NEXT PLUMBING SUPPLY	
720	BATESVILLE CASKET CO	
720	CINTAS FIRE PROTECTION & FIRE	# 1
720	CINTAS FIRST AID SUPPLIES	# 1
720	CINTAS THE UNIFORM PEOPLE	
720	NORTH AMERICAN VEHICLE SVC	
720	PRESTIGE AUTO SPECIALISTS INC	
720	REAGAN WIRELESS CORP	
720	VIRTUAL IMAGING INC	
730	C E SAFES & SECURITY PRODUCTS	
730	KARPINSKI TRUCKING & PRODUCE	
730	OVERSEAS AIRCRAFT PARTS INC	
730	PATRIOT PERISHABLES	
730	PRODUCE	
730	QUIET WATER BUSINESS PARK	
730	ROBIN RUTH	
740	JKG GROUP	
750	AMERICAN SCANNING	
750	AMERICAN SCANNING & STORAGE	
750	PREMIUM FOOD MARKETING	# 1
950	LEWIS WAREHOUSES	
950	QUALITY WATER SYSTEMS	# 14
1011	FIRST COAST ENERGY	
1052	ADT	
1072	FULL ACCESS STORAGE INC	
1072	HOME AIDE DIAGNOSTICS INC	
1100	AGRITRADE INTERNATIONAL LLC	# 215
1100	ALLSTATE OFFICE SUPPLY INC	
1100	ARCHITECT BUILDERS	# 221
1100	CORPORATE GIFTS	
1100	EXTREME GOLD PACKAGE	# 222A

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1100	FOREVER CONSULTING & LOGISTICS	
1100	GINGON SOLUTIONS INC	# 221
1100	HEIDIS HELPERS INC	
1100	MOVING CO WEB DESIGN	# 221
1100	OFFICE ETC INC	# 101
1100	PROGRESSIVE PLASTERING	# 212
1100	ROGOVSKY ENTERPRISE	
1100	TOP NOTCH CARRIERS	# 215
1101	BROWARD AVIAN & EXOTIC ANIMAL	# 108
1101	BROWARD AVIAN DVM	# 108
1101	BRUCE GONZALEZ AGENCY	# 105
1101	JASMIN DONUTS	# 101
1101	PERFECT DRY CLEANERS CARPET	
1101	SIGNARAMA	# 104
1101	SUBWAY	# 103
1101	TUCKER DUKE'S	# 107

INFOUSA

SOUTH

2011

S POWERLINE RD

710	HOOD DEPOT INC	
710	J M SVC	
710	TOTO PLUMBING PRODUCTS	
710	WILLOUGHBY SUPPLY OF FLORIDA	
720	BATESVILLE CASKET CO	
720	CINTAS FIRE PROTECTION	
720	CINTAS THE UNIFORM PEOPLE	
720	DANA CLASSIC FRAGRANCES INC	
720	REAGAN WIRELESS CORP	
720	VIRTUAL IMAGING INC	
730	AYCO FARMS INC	
730	AYCOLD FRESH INC	
730	BOCA JAVA	
730	OVERSEAS AIRCRAFT PARTS INC	
821	BOHON'S NURSERY	

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950	BOCA STORAGE & DEERFIELD STOR	
950	WELLS ROBERT	
1011	EFMARK INC ATM	
1011	GAS CITY	
1052	FLUENT CREATIVE TECHNOLOGIES	
1078	AMERICAN BUILDING CONTRACTORS	
1100	AGRITRADE INTERNATIONAL LLC	# 215
1100	ALLSTATE OFFICE SUPPLY INC	
1100	K & M REMODELING	
1100	KITCHEN & HOME INTERIORS	# 104
1100	OFFICE ETC INC	# 101
1100	OLYMPIA PAINT COVERING INC	# 211
1100	PROGRESSIVE PLASTERING	# 212
1100	SOUTH BAY OFFICE PRODUCTS	# 101
1101	I DO NAIL SALON	# 103
1101	JASMIN DONUTS	
1101	KRAZY KATZ COSTUMES	# 106
1101	LENNY'S SUB SHOP	# 102
1101	SIGNARAMA	# 104
1101	WIRELESS ISN	

BRESSER'S

POMPANO BEACH 2006-07
& DEERFIELD

S POWERLINE RD

710	HOOD DEPOT	
710	NEXT PLUMBING SUPPLY	
710	WILLOUGHBY SUPPLYOF FLORIDA	
720	ADVANCED MEDIA TECHNOLOGIES	
720	BATESVILLE CASKET COMPANY	
720	DANA CLASSIC FRAGRANCES	
720	DANA CLASSIC FRAGRANCES INC	
720	VIRTUAL IMAGING INC	
721	DECASTRO DARIO	
730	ADVANCED MEDIA TECHNOLOGIES	

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S Powerline Rd, Deerfield Beach, FL 33442

730	ADVANTAGE TELECOM TECHNOLOGY
730	AYCO FARMS
730	AYCO FARMS INC
730	BOCA JAVA
730	BOCA KITCHENS INC
730	OVERSEAS AIRCRAFT PARTS INC
730	SHOPRIDER HEALTHCARE INC
950	NO CURRENT LISTING
950	X [SAWGRASS EXPY INTS]
950	Y [SW 10TH ST INTS]
1011	EFMARK INC ATM GAS CITY
1052	ALARMAS ABC USA LLC
1052	ESCREEN SENSOR SOLUTIONS INC
1052	FLUENT CREATIVE TCHNIGS INC
1052	MARITIME PROTECTIVE SERV INC
1072	FULL ACCESS STORAGE INC
1078	AMER BUILDING CONTRACTORS
1078	X [SW 11TH ST INTS]
1100	CLARKE-HALL ROBERT
1100	COLONNA ASPHALT RESTORATION
1100	PEAK COMMUNICATIONS INC
1124	KTRON OF FL INC

CITY PUBLISHING COMPANY INC.

FORT 2000
LAUDERDALE AND
VICINITY

S POWERLINE RD

414	ALLSTATE INS COS SALES OFFICES DEERFIELD BEACH
414	BECKER MARC INS
414	KNIGHTON RICHARD INS
750	KRAFT LANDSCAPE NURSERY
750	KRAFT PLANT RENTALS
950	BLUESHIRE JOINT VENTURE INC
950	DEERFIELD STORAGE

City Directory Standard Report

S Powerline Rd, Deerfield Beach, FL 33442

950	RYDER TRUCK RENTAL ONE-WAY INC
1011	GAS CITY
1052	ADT SECURITY SERVICES
1052	ADT SECURITY SVCS INC
1072	KONICA IMAGING USA INC [LITHO EQPT]
1078	REAGAN WIRELESS INC
1100	ARTISTIC DESIGN STUDIOS INC
1100	COLONNA ASPHALT RESTORATION
1100	COLONNA CONSTRUCTION MASN CONTR
1100	RELIANT INNOVATIONS
1100	SOUTH FLORIDA CHEER & TUMBLE
1124	CENTRELIX ELEVATOR SERVICE

CITY PUBLISHING COMPANY INC.

FORT 1995
LAUDERDALE AND
VICINITY

S POWERLINE RD

414	VIDEO PLUS SOUND [STEREO]
750	KRAFT LANDSCAPE NURSERY
950	BLUESHIRE JOINT VENTURE INC
950	CRYSTAL IMAGE THE
950	DEERFIELD STORAGE
950	NU-LOOK KITCHENS & BATH
950	PRECISION WALLCRAFTERS & ASSOC
950	RYDER TRUCK RENTAL ONE-WAY INC NEIGHBORHOOD DEALER NORTH AREA
1052	ADT SECURITY SYSTEMS
1072	KONICA IMAGING USA INC [LITHO EQPT]
1072	KONICA IMAGING USA SALES
1078	OTIS SPUNKMEYER [COOKIES]
1100	ALFONSO GOURMET PASTA
1100	BEVEL MASTER

City Directory Standard Report

S Powerline Rd, Deerfield Beach, FL 33442

1100 COMMERCIAL BUILDING &
DEVELOPMENT CORP
1100 DAVIS ASSOCS INC
1100 SPORTING LOOK THE
1120 CUSTOM CYCLE SUPPLY

CITY PUBLISHING COMPANY INC.

FORT 1992
LAUDERDALE AND
VICINITY

S POWERLINE RD

429 SWARD GORDON A
750 KRAFT LANDSCAPE NURSERY
950 ABCO BRICK & TILE
950 CITY AIR CONDNG &
REFRIGERATION
950 DEERFIELD STORAGE
950 MUNSON JOSEPH OFC
950 NEW CAR OUTLET
950 ONE-WAY INC NEIGHBORHOOD
DEALER NORTH AREA
950 RYDER TRUCK RENTAL
950 VENDING AUTHORITY THE
950 YARDSCAPES
1052 ADT SECURITY SYS SALES
1052 ADT SECURITY SYSTEMS
1072 KONICA IMAGING USA INC [LITHO
EQPT]
1078 OTIS SPUNKMEYER [COOKIES]
1100 BEVEL MASTER
1100 COMMERCIAL BUILDING &
DEVELOPMENT CORP
1100 DAVIS ASSOCS INC
1100 SPORTING LOOK THE
1120 MCS BICYCLE INC

R.L. POLK & CO.

City Directory Standard Report

S Powerline Rd, Deerfield Beach, FL 33442

POMPANO BEACH 1983-84
(BROWARD
COUNTY)

S POWERLINE RD

STREET NOT LISTED

R.L. POLK & CO.

POMPANO BEACH 1980
(BROWARD
COUNTY)

S POWERLINE RD

STREET NOT LISTED

Comment:

City Directory Target Property Address

Target Property:

*S Powerline Rd,
Deerfield Beach, FL 33442*

Prepared For:

Kimley - Horn and Associates - Jacksonville

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Project #: 140504000

Date: 9/1/2017

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

S POWERLINE RD

1983-84	STREET NOT LISTED	R.L. POLK & CO.	POMPANO BEACH (BROWARD COUNTY)
1980	STREET NOT LISTED	R.L. POLK & CO.	POMPANO BEACH (BROWARD COUNTY)

414 S POWERLINE RD

2000	ALLSTATE INS COS SALES OFFICES DEERFIELD BEACH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	BECKER MARC INS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	KNIGHTON RICHARD INS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	VIDEO PLUS SOUND [STEREO]	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

429 S POWERLINE RD

1992	SWARD GORDON A	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
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710 S POWERLINE RD

2016	NEXT PLUMBING SUPPLY	INFOUSA	SOUTH EAST
2011	HOOD DEPOT INC	INFOUSA	SOUTH
2011	J M SVC	INFOUSA	SOUTH
2011	TOTO PLUMBING PRODUCTS	INFOUSA	SOUTH
2011	WILLOUGHBY SUPPLY OF FLORIDA	INFOUSA	SOUTH
2006-07	HOOD DEPOT	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	NEXT PLUMBING SUPPLY	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	WILLOUGHBY SUPPLY OF FLORIDA	BRESSER'S	POMPANO BEACH & DEERFIELD

720 S POWERLINE RD

2016	BATESVILLE CASKET CO	INFOUSA	SOUTH EAST	
2016	CINTAS FIRE PROTECTION & FIRE	# 1	INFOUSA	SOUTH EAST
2016	CINTAS FIRST AID SUPPLIES	# 1	INFOUSA	SOUTH EAST

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

2016	CINTAS THE UNIFORM PEOPLE	INFOUSA	SOUTH EAST
2016	NORTH AMERICAN VEHICLE SVC	INFOUSA	SOUTH EAST
2016	PRESTIGE AUTO SPECIALISTS INC	INFOUSA	SOUTH EAST
2016	REAGAN WIRELESS CORP	INFOUSA	SOUTH EAST
2016	VIRTUAL IMAGING INC	INFOUSA	SOUTH EAST
2011	BATESVILLE CASKET CO	INFOUSA	SOUTH
2011	CINTAS FIRE PROTECTION	INFOUSA	SOUTH
2011	CINTAS THE UNIFORM PEOPLE	INFOUSA	SOUTH
2011	DANA CLASSIC FRAGRANCES INC	INFOUSA	SOUTH
2011	REAGAN WIRELESS CORP	INFOUSA	SOUTH
2011	VIRTUAL IMAGING INC	INFOUSA	SOUTH
2006-07	ADVANCED MEDIA TECHNOLOGIES	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	BATESVILLE CASKET COMPANY	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	DANA CLASSIC FRAGRANCES	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	DANA CLASSIC FRAGRANCES INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	VIRTUAL IMAGING INC	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>721 S POWERLINE RD</u>			
2006-07	DECASTRO DARIO	BRESSER'S	POMPANO BEACH & DEERFIELD
<u>730 S POWERLINE RD</u>			
2016	C E SAFES & SECURITY PRODUCTS	INFOUSA	SOUTH EAST
2016	KARPINSKI TRUCKING & PRODUCE	INFOUSA	SOUTH EAST
2016	OVERSEAS AIRCRAFT PARTS INC	INFOUSA	SOUTH EAST
2016	PATRIOT PERISHABLES	INFOUSA	SOUTH EAST
2016	PRODUCE	INFOUSA	SOUTH EAST
2016	QUIET WATER BUSINESS PARK	INFOUSA	SOUTH EAST
2016	ROBIN RUTH	INFOUSA	SOUTH EAST
2011	AYCO FARMS INC	INFOUSA	SOUTH
2011	AYCOLD FRESH INC	INFOUSA	SOUTH
2011	BOCA JAVA	INFOUSA	SOUTH
2011	OVERSEAS AIRCRAFT PARTS INC	INFOUSA	SOUTH

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

2006-07	ADVANCED MEDIA TECHNOLOGIES	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	ADVANTAGE TELECOM TECHNOLOGY	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	AYCO FARMS	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	AYCO FARMS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	BOCA JAVA	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	BOCA KITCHENS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	OVERSEAS AIRCRAFT PARTS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	SHOPRIDER HEALTHCARE INC	BRESSER'S	POMPANO BEACH & DEERFIELD

740 S POWERLINE RD

2016	JKG GROUP	INFOUSA	SOUTH EAST
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750 S POWERLINE RD

2016	AMERICAN SCANNING	INFOUSA	SOUTH EAST	
2016	AMERICAN SCANNING & STORAGE	INFOUSA	SOUTH EAST	
2016	PREMIUM FOOD MARKETING	# 1	INFOUSA	SOUTH EAST
2000	KRAFT LANDSCAPE NURSERY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY	
2000	KRAFT PLANT RENTALS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY	
1995	KRAFT LANDSCAPE NURSERY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY	
1992	KRAFT LANDSCAPE NURSERY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY	

821 S POWERLINE RD

2011	BOHON'S NURSERY	INFOUSA	SOUTH
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950 S POWERLINE RD

2016	LEWIS WAREHOUSES	INFOUSA	SOUTH EAST	
2016	QUALITY WATER SYSTEMS	# 14	INFOUSA	SOUTH EAST
2011	BOCA STORAGE & DEERFIELD STOR	INFOUSA	SOUTH	
2011	WELLS ROBERT	INFOUSA	SOUTH	

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

2006-07	NO CURRENT LISTING	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [SAWGRASS EXPY INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	Y [SW 10TH ST INTS]	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	BLUESHIRE JOINT VENTURE INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	DEERFIELD STORAGE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	RYDER TRUCK RENTAL ONE-WAY INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	BLUESHIRE JOINT VENTURE INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	CRYSTAL IMAGE THE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	DEERFIELD STORAGE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	NU-LOOK KITCHENS & BATH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	PRECISION WALLCRAFTERS & ASSOC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	RYDER TRUCK RENTAL ONE-WAY INC NEIGHBORHOOD DEALER NORTH AREA	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	ABCO BRICK & TILE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	CITY AIR CONDITNG & REFRIGERATION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	DEERFIELD STORAGE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	MUNSON JOSEPH OFC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	NEW CAR OUTLET	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

1992	RYDER TRUCK RENTAL	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	ONE-WAY INC NEIGHBORHOOD DEALER NORTH AREA	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	VENDING AUTHORITY THE	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	YARDSCAPES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1011 S POWERLINE RD

2016	FIRST COAST ENERGY	INFOUSA	SOUTH EAST
2011	EFMARK INC ATM	INFOUSA	SOUTH
2011	GAS CITY	INFOUSA	SOUTH
2006-07	EFMARK INC ATM GAS CITY	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	GAS CITY	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1052 S POWERLINE RD

2016	ADT	INFOUSA	SOUTH EAST
2011	FLUENT CREATIVE TECHNOLOGIES	INFOUSA	SOUTH
2006-07	ALARMAS ABC USA LLC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	ESCREEN SENSOR SOLUTIONS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	FLUENT CREATIVE TCHNIGS INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	MARITIME PROTECTIVE SERV INC	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	ADT SECURITY SERVICES	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	ADT SECURITY SVCS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	ADT SECURITY SYSTEMS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	ADT SECURITY SYSTEMS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

1992	ADT SECURITY SYS SALES		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1072 S POWERLINE RD</u>				
2016	FULL ACCESS STORAGE INC		INFOUSA	SOUTH EAST
2016	HOME AIDE DIAGNOSTICS INC		INFOUSA	SOUTH EAST
2006-07	FULL ACCESS STORAGE INC		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	KONICA IMAGING USA INC [LITHO EQPT]		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	KONICA IMAGING USA SALES		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	KONICA IMAGING USA INC [LITHO EQPT]		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	KONICA IMAGING USA INC [LITHO EQPT]		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1078 S POWERLINE RD</u>				
2011	AMERICAN BUILDING CONTRACTORS		INFOUSA	SOUTH
2006-07	AMER BUILDING CONTRACTORS		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	X [SW 11TH ST INTS]		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	REAGAN WIRELESS INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	OTIS SPUNKMEYER [COOKIES]		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	OTIS SPUNKMEYER [COOKIES]		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
<u>1100 S POWERLINE RD</u>				
2016	AGRITRADE INTERNATIONAL LLC	# 215	INFOUSA	SOUTH EAST
2016	ALLSTATE OFFICE SUPPLY INC		INFOUSA	SOUTH EAST
2016	ARCHITECT BUILDERS	# 221	INFOUSA	SOUTH EAST
2016	CORPORATE GIFTS		INFOUSA	SOUTH EAST
2016	EXTREME GOLD PACKAGE	# 222A	INFOUSA	SOUTH EAST
2016	FOREVER CONSULTING & LOGISTICS		INFOUSA	SOUTH EAST

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

2016	GINGON SOLUTIONS INC	# 221	INFOUSA	SOUTH EAST
2016	HEIDIS HELPERS INC		INFOUSA	SOUTH EAST
2016	MOVING CO WEB DESIGN	# 221	INFOUSA	SOUTH EAST
2016	OFFICE ETC INC	# 101	INFOUSA	SOUTH EAST
2016	PROGRESSIVE PLASTERING	# 212	INFOUSA	SOUTH EAST
2016	ROGOVSKY ENTERPRISE		INFOUSA	SOUTH EAST
2016	TOP NOTCH CARRIERS	# 215	INFOUSA	SOUTH EAST
2011	AGRITRADE INTERNATIONAL LLC	# 215	INFOUSA	SOUTH
2011	ALLSTATE OFFICE SUPPLY INC		INFOUSA	SOUTH
2011	K & M REMODELING		INFOUSA	SOUTH
2011	KITCHEN & HOME INTERIORS	# 104	INFOUSA	SOUTH
2011	OFFICE ETC INC	# 101	INFOUSA	SOUTH
2011	OLYMPIA PAINT COVERING INC	# 211	INFOUSA	SOUTH
2011	PROGRESSIVE PLASTERING	# 212	INFOUSA	SOUTH
2011	SOUTH BAY OFFICE PRODUCTS	# 101	INFOUSA	SOUTH
2006-07	CLARKE-HALL ROBERT		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	COLONNA ASPHALT RESTORATION		BRESSER'S	POMPANO BEACH & DEERFIELD
2006-07	PEAK COMMUNICATIONS INC		BRESSER'S	POMPANO BEACH & DEERFIELD
2000	ARTISTIC DESIGN STUDIOS INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	COLONNA ASPHALT RESTORATION		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	COLONNA CONSTRUCTION MASN CONTR		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	RELIANT INNOVATIONS		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
2000	SOUTH FLORIDA CHEER & TUMBLE		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	ALFONSO GOURMET PASTA		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

1995	BEVEL MASTER		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	COMMERCIAL BUILDING & DEVELOPMENT CORP		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	DAVIS ASSOCS INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	SPORTING LOOK THE		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	BEVEL MASTER		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	COMMERCIAL BUILDING & DEVELOPMENT CORP		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	DAVIS ASSOCS INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	SPORTING LOOK THE		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1101 S POWERLINE RD

2016	BROWARD AVIAN & EXOTIC ANIMAL	# 108	INFOUSA	SOUTH EAST
2016	BROWARD AVIAN DVM	# 108	INFOUSA	SOUTH EAST
2016	BRUCE GONZALEZ AGENCY	# 105	INFOUSA	SOUTH EAST
2016	JASMIN DONUTS	# 101	INFOUSA	SOUTH EAST
2016	PERFECT DRY CLEANERS CARPET		INFOUSA	SOUTH EAST
2016	SIGNARAMA	# 104	INFOUSA	SOUTH EAST
2016	SUBWAY	# 103	INFOUSA	SOUTH EAST
2016	TUCKER DUKE'S	# 107	INFOUSA	SOUTH EAST
2011	I DO NAIL SALON	# 103	INFOUSA	SOUTH
2011	JASMIN DONUTS		INFOUSA	SOUTH
2011	KRAZY KATZ COSTUMES	# 106	INFOUSA	SOUTH
2011	LENNY'S SUB SHOP	# 102	INFOUSA	SOUTH
2011	SIGNARAMA	# 104	INFOUSA	SOUTH
2011	WIRELESS ISN		INFOUSA	SOUTH

City Directory Target Property Address

S Powerline Rd, Deerfield Beach, FL 33442

1120 S POWERLINE RD

1995 CUSTOM CYCLE SUPPLY

CITY PUBLISHING
COMPANY INC.

FORT
LAUDERDALE AND
VICINITY

1992 MCS BICYCLE INC

CITY PUBLISHING
COMPANY INC.

FORT
LAUDERDALE AND
VICINITY

1124 S POWERLINE RD

2006-07 KTRON OF FL INC

BRESSER'S

POMPANO BEACH
& DEERFIELD

2000 CENTRELIX ELEVATOR SERVICE

CITY PUBLISHING
COMPANY INC.

FORT
LAUDERDALE AND
VICINITY

Comment:

Broward County Wellfield Map

Broward County Board of County Commissioners Chapter 27- Article XIII Rule of 6/11/2013

Legend

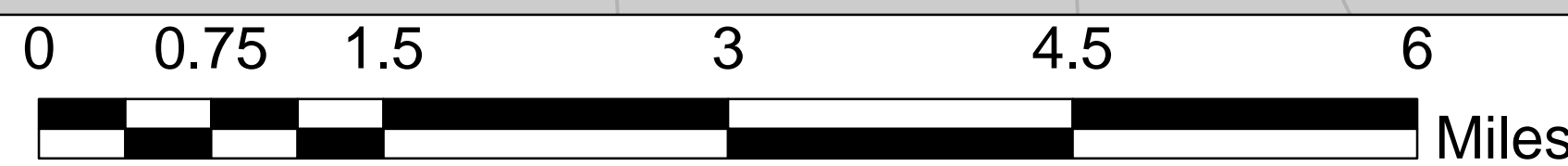
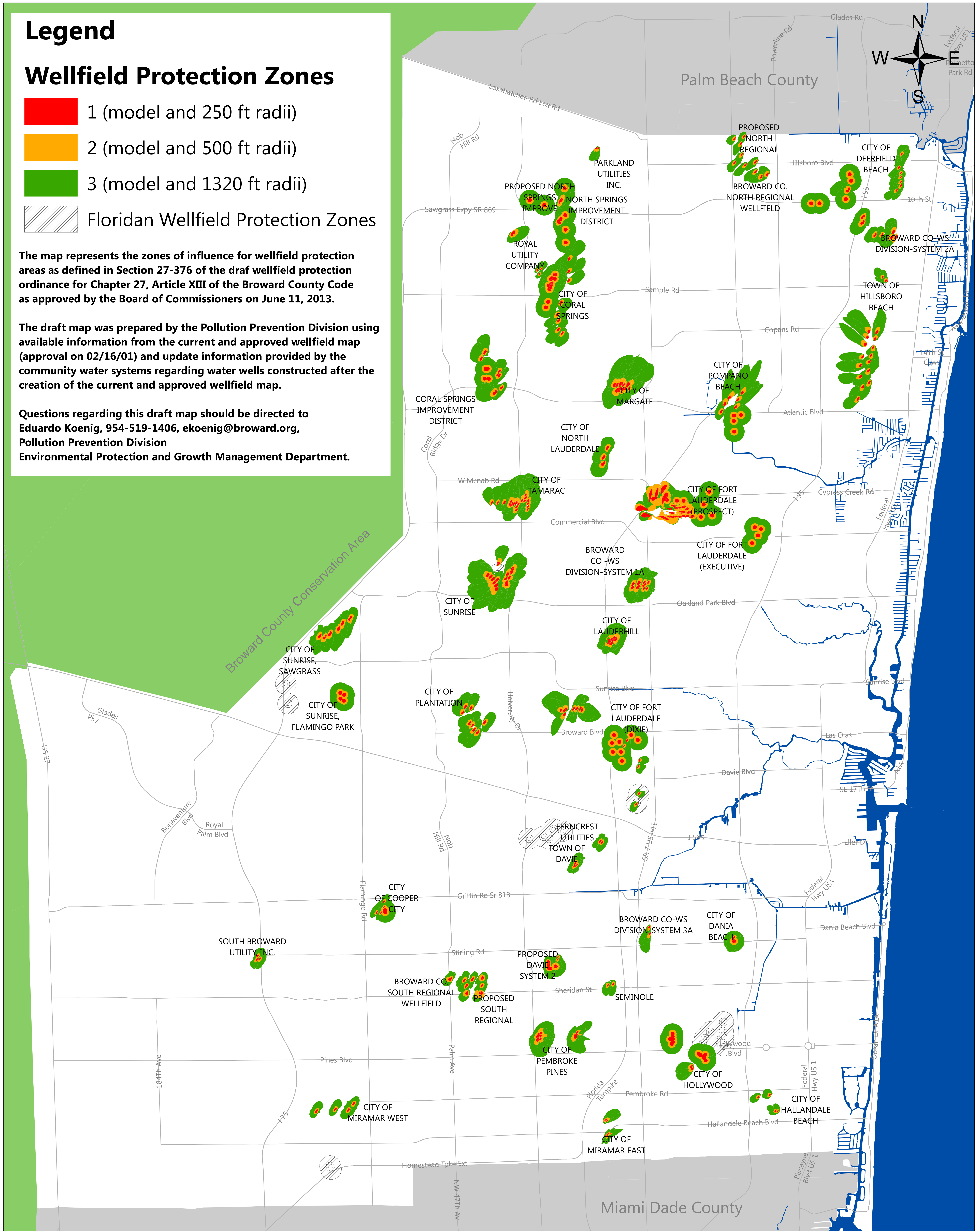
Wellfield Protection Zones

- 1 (model and 250 ft radii)
- 2 (model and 500 ft radii)
- 3 (model and 1320 ft radii)
- Floridan Wellfield Protection Zones

The map represents the zones of influence for wellfield protection areas as defined in Section 27-376 of the draft wellfield protection ordinance for Chapter 27, Article XIII of the Broward County Code as approved by the Board of Commissioners on June 11, 2013.

The draft map was prepared by the Pollution Prevention Division using available information from the current and approved wellfield map (approval on 02/16/01) and update information provided by the community water systems regarding water wells constructed after the creation of the current and approved wellfield map.

Questions regarding this draft map should be directed to Eduardo Koenig, 954-519-1406, ekoenig@broward.org, Pollution Prevention Division Environmental Protection and Growth Management Department.





Date: 08/30/17

GS Job Number: 92604

Company Name: Kimley-Horn - Jacksonville

Project Number: 140504000

Site Information: SW 10th Street
SW 10th Street between Military Trail and Powerline Road,
Deerfield Beach, Broward, Florida, 33442

The collections of fire insurance maps listed below were reviewed according to the site information supplied by client. Based on the information provided, no coverage is available.

Library of Congress
University Publications of America
Other Libraries (universities, state, local, etc.).

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Water Well Report

Target Property:
SW 10th Street
SW 10th Street between Military Trail and Florida
Turnpike
Deerfield Beach, Palm Beach County, Florida
33442

Prepared For:
Kimley - Horn and Associates - Jacksonville

Order #: 109336
Job #: 240609
Project #: 140504000
PO #: 140504000
Date: 06/05/2018

TARGET PROPERTY SUMMARY

SW 10th Street

SW 10th Street between Military Trail and Florida Turnpike

Deerfield Beach, Palm Beach County, Florida 33442

USGS Quadrangle: **West Dixie Bend, FL**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

(-80.169482, 26.305463), (-80.167228, 26.305559), (-80.166306, 26.305655), (-80.165190, 26.305751), (-80.164396, 26.305886), (-80.163624, 26.305944), (-80.163001, 26.305905), (-80.162143, 26.305771), (-80.161285, 26.305521), (-80.160126, 26.305136), (-80.158924, 26.304713), (-80.158173, 26.304540), (-80.156543, 26.304270), (-80.152530, 26.304328), (-80.150749, 26.304328), (-80.149075, 26.304270), (-80.147874, 26.304232), (-80.146372, 26.304193), (-80.144333, 26.304193), (-80.142187, 26.304251), (-80.138518, 26.304347), (-80.136008, 26.304405), (-80.134227, 26.304424), (-80.132403, 26.304366), (-80.131523, 26.304347), (-80.129442, 26.304366)

County/Parish Covered:

Broward (FL)

Zipcode(s) Covered:

Deerfield Beach FL: 33442

Pompano Beach FL: 33073

State(s) Covered:

FL

***Target property is located in Radon Zone 3.**

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
FEDERAL				
UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM	NWIS	13	0	0.5000
SUB-TOTAL		13	0	
STATE (FL)				
WATER WELLS DATABASE	WW	3	0	0.5000
SUB-TOTAL		3	0	

TOTAL

16 0



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LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<u>FEDERAL</u>								
NWIS	.5000	0	3	4	6	NS	NS	13
SUB-TOTAL		0	3	4	6	0	0	13
<u>STATE (FL)</u>								
WW	.5000	0	0	2	1	NS	NS	3
SUB-TOTAL		0	0	2	1	0	0	3

TOTAL	0	3	6	7	0	0	16
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NOTES:

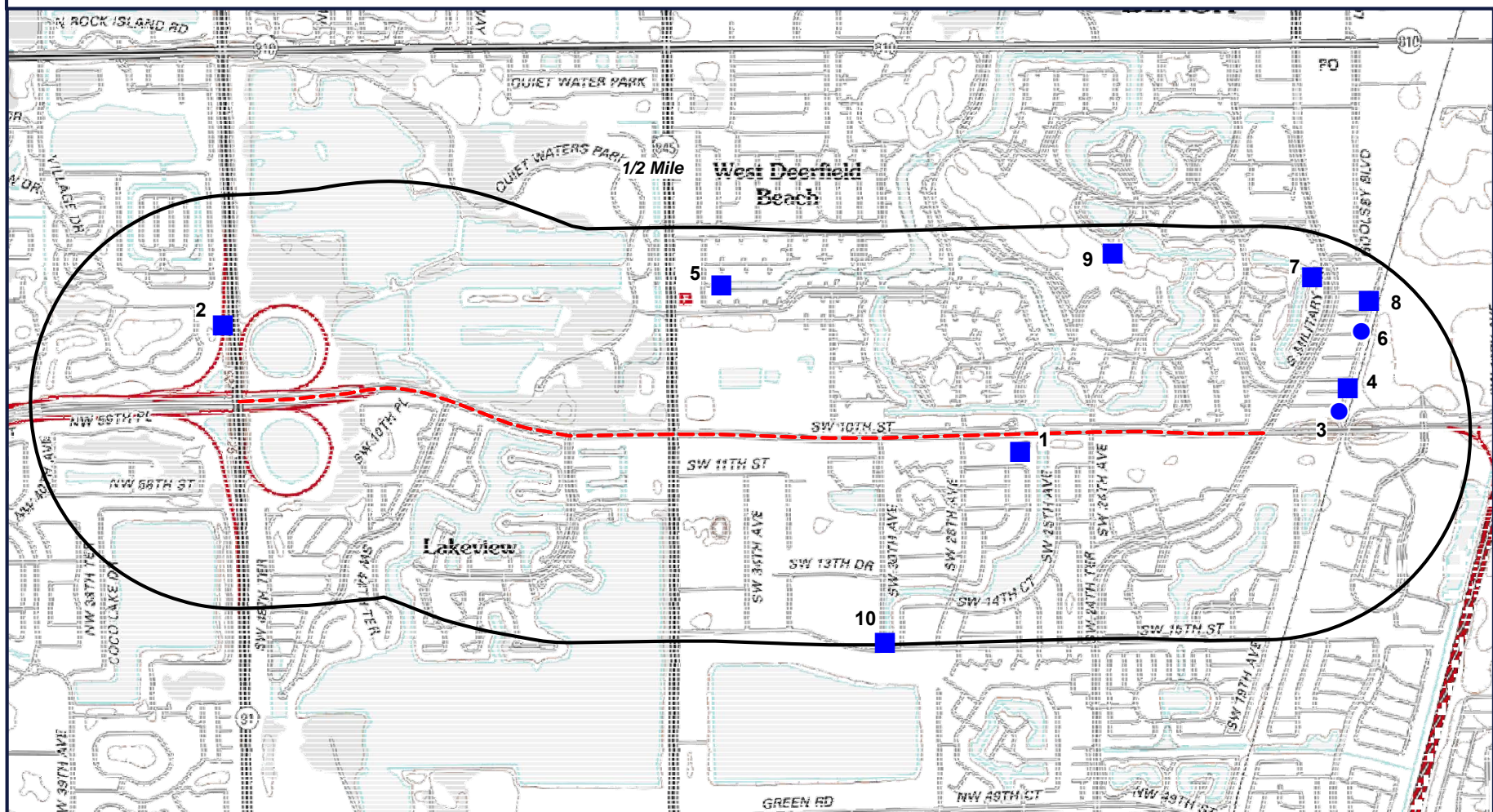
NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY



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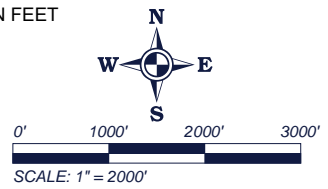
WATER WELL



- - - Target Property (TP)
- NWIS
- WW

SW 10th Street
SW 10th Street between
Military Trail and Florida
Turnpike
Deerfield Beach, Florida
33442

CONTOUR LINES REPRESENTED IN FEET





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REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	NWIS	01018749	0.045 S	G -2702			1
1	NWIS	01018750	0.045 S	G -2721			2
1	NWIS	01018747	0.025 S	G -2986			3
2	NWIS	01018773	0.188 NNW	G -2355A			4
2	NWIS	01018772	0.188 NNW	G -2355			5
3	WW	DEERFLD17	0.189 ENE		1600 NW 10 ST	DEERFIELD BEACH, 33442	6
3	WW	AAL5150	0.191 ENE		852 S MILITARY TRAIL	DEERFIELD BEACH, 33442	7
3	NWIS	01018762	0.193 ENE	G -2704			8
4	NWIS	01018767	0.230 ENE	G -2723			9
5	NWIS	01018771	0.340 N	G -2722			10
5	NWIS	01018775	0.359 N	G -2703			11
6	WW	AAE3685	0.343 NE		700 S MILITARY TRL	DEERFIELD BEACH, 33442	12
7	NWIS	01018782	0.394 NNE	G -2715			13
8	NWIS	01018774	0.408 NE	S -2262			14
9	NWIS	01018787	0.430 N	G -2708			15
10	NWIS	01018719	0.495 S	G -2804			16

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 1 Distance from Property: 0.04 mi. S

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261815080081701**

STATION NAME: **G -2702**

SITE TYPE: **WELL**

LATITUDE: **26.303690630** LONGITUDE: **-80.138933600**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **38 feet**

HOLE DEPTH: **40 feet**

LOCAL AQUIFER: **NOT REPORTED**



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UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 1 Distance from Property: 0.04 mi. S

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261815080082001**

STATION NAME: **G -2721**

SITE TYPE: **WELL**

LATITUDE: **26.303690630** LONGITUDE: **-80.138933600**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **175 feet**

HOLE DEPTH: **180 feet**

LOCAL AQUIFER: **NOT REPORTED**



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UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 1 Distance from Property: 0.03 mi. S

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261813080082101**

STATION NAME: **G -2986**

SITE TYPE: **WELL**

LATITUDE: **26.303968400** LONGITUDE: **-80.138961400**

DATE DRILLED: **02/16/2010**

WELL DEPTH: **1340 feet**

HOLE DEPTH: **1400 feet**

LOCAL AQUIFER: **FLORIDAN AQUIFER SYSTEM**



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UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 2 Distance from Property: 0.19 mi. NNW

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261828080101302**

STATION NAME: **G -2355A**

SITE TYPE: **WELL**

LATITUDE: **26.308134960** LONGITUDE: **-80.170045690**

DATE DRILLED: **04/01/1983**

WELL DEPTH: **53.6 feet**

HOLE DEPTH: **53.6 feet**

LOCAL AQUIFER: **NOT REPORTED**



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MAP ID# 2 Distance from Property: 0.19 mi. NNW

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261828080101301**

STATION NAME: **G -2355**

SITE TYPE: **WELL**

LATITUDE: **26.308134960** LONGITUDE: **-80.170045690**

DATE DRILLED: **04/01/1983**

WELL DEPTH: **96.4 feet**

HOLE DEPTH: **96.4 feet**

LOCAL AQUIFER: **NOT REPORTED**

WATER WELLS DATABASE (WW)

MAP ID# 3

Distance from Property: 0.19 mi. ENE

FACILITY INFORMATION

WELL ID: **DEERFLD17**

ADDRESS: **1600 NW 10 ST**

DEERFIELD BEACH FL 33442

LONGITUDE: **-80.126503000**

LATITUDE: **26.305085000**

PERMIT NUMBER: **4060254**

STATUS: **RETAGGED**

WELL TYPE: **LARGE (>150,000 GPD) COMMUNITY PWS WELL**

DEPTH OF WELL SHAFT (FT): **180**

CASING MATERIAL: **Steel**

CASING LENGTH (FT): **180**

DIAMETER OF WELL PIPE (IN): **24**

COMMENT: **NOT REPORTED**



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WATER WELLS DATABASE (WW)

MAP ID# 3

Distance from Property: 0.19 mi. ENE

FACILITY INFORMATION

WELL ID: **AAL5150**
ADDRESS: **852 S MILITARY TRAIL**
DEERFIELD BEACH FL 33442
LONGITUDE: **-80.126490000**
LATITUDE: **26.305175000**
PERMIT NUMBER: **4060254**
STATUS: **ACTIVE**
WELL TYPE: **LARGE (>150,000 GPD) COMMUNITY PWS WELL**
DEPTH OF WELL SHAFT (FT): **0**
CASING MATERIAL: **BLACK STEEL**
CASING LENGTH (FT): **0**
DIAMETER OF WELL PIPE (IN): **24**
COMMENT: **NOT REPORTED**



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MAP ID# 3 Distance from Property: 0.19 mi. ENE

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261821080073501**

STATION NAME: **G -2704**

SITE TYPE: **WELL**

LATITUDE: **26.305079450** LONGITUDE: **-80.126433200**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **38 feet**

HOLE DEPTH: **40 feet**

LOCAL AQUIFER: **NOT REPORTED**

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 4 Distance from Property: 0.23 mi. ENE

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261825080073401**

STATION NAME: **G -2723**

SITE TYPE: **WELL**

LATITUDE: **26.305912750** LONGITUDE: **-80.126155400**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **174 feet**

HOLE DEPTH: **180 feet**

LOCAL AQUIFER: **NOT REPORTED**



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MAP ID# 5 Distance from Property: 0.34 mi. N

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261828080090501**

STATION NAME: **G -2722**

SITE TYPE: **WELL**

LATITUDE: **26.309246000** LONGITUDE: **-80.150878400**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **175 feet**

HOLE DEPTH: **180 feet**

LOCAL AQUIFER: **NOT REPORTED**

MAP ID# 5 Distance from Property: 0.36 mi. N

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261831080090101**

STATION NAME: **G -2703**

SITE TYPE: **WELL**

LATITUDE: **26.309523770** LONGITUDE: **-80.150600600**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **32 feet**

HOLE DEPTH: **40 feet**

LOCAL AQUIFER: **NOT REPORTED**

WATER WELLS DATABASE (WW)

MAP ID# 6

Distance from Property: 0.34 mi. NE

FACILITY INFORMATION

WELL ID: **AAE3685**

ADDRESS: **700 S MILITARY TRL
DEERFIELD BEACH FL 33442**

LONGITUDE: **-80.125622000**

LATITUDE: **26.307961000**

PERMIT NUMBER: **4060254**

STATUS: **ACTIVE**

WELL TYPE: **LARGE (>150,000 GPD) COMMUNITY PWS WELL**

DEPTH OF WELL SHAFT (FT):

CASING MATERIAL: **NOT REPORTED**

CASING LENGTH (FT): **NOT REPORTED**

DIAMETER OF WELL PIPE (IN): **NOT REPORTED**

COMMENT: **DEP DATA**



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UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 7 Distance from Property: 0.39 mi. NNE

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261834080074001**

STATION NAME: **G -2715**

SITE TYPE: **WELL**

LATITUDE: **26.309801500** LONGITUDE: **-80.127544400**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **40 feet**

HOLE DEPTH: **NOT REPORTED**

LOCAL AQUIFER: **NOT REPORTED**



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MAP ID# 8 Distance from Property: 0.41 mi. NE

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261831080073201**

STATION NAME: **S -2262**

SITE TYPE: **WELL**

LATITUDE: **26.308968190** LONGITUDE: **-80.125322000**

DATE DRILLED: **01/01/1979**

WELL DEPTH: **101 feet**

HOLE DEPTH: **NOT REPORTED**

LOCAL AQUIFER: **NOT REPORTED**

MAP ID# 9 Distance from Property: 0.43 mi. N

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261837080080401**

STATION NAME: **G -2708**

SITE TYPE: **WELL**

LATITUDE: **26.310634800** LONGITUDE: **-80.135322380**

DATE DRILLED: **01/01/1980**

WELL DEPTH: **40 feet**

HOLE DEPTH: **40 feet**

LOCAL AQUIFER: **NOT REPORTED**

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 10 Distance from Property: 0.50 mi. S

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **261748080084001**

STATION NAME: **G -2804**

SITE TYPE: **WELL**

LATITUDE: **26.297024200** LONGITUDE: **-80.144211590**

DATE DRILLED: **NOT REPORTED**

WELL DEPTH: **18 feet**

HOLE DEPTH: **NOT REPORTED**

LOCAL AQUIFER: **NOT REPORTED**



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

NWIS

United States Geological Survey National Water Information System

VERSION DATE: 12/2016

This USGS National Water Information System database only includes groundwater wells. The USGS defines this well type as: A hole or shaft constructed in the earth intended to be used to locate, sample, or develop groundwater, oil, gas, or some other subsurface material. The diameter of a well is typically much smaller than the depth. Wells are also used to artificially recharge groundwater or to pressurize oil and gas production zones. Additional information about specific kinds of wells should be recorded under the secondary site types or the Use of Site field. Underground waste-disposal wells should be classified as waste-injection wells.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (FL)

WW Water Wells Database

VERSION DATE: 3/2018

As part of a cooperative agreement with the Florida Department of Environmental Protection, the Florida Department of Health (DOH) participates in their Florida Unique Well Identification Program. The program's goal is to simplify water well identification and exchange of information between state agencies concerned with well construction data, well location and groundwater quality. This DOH wells database consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program.



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GeoPlus Oil & Gas Report

[Satellite view](#)

Target Property:

SW 10th Street

**SW 10th Street between Military Trail and Powerline Road
Deerfield Beach, Broward County, Florida 33442**

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Job #: 201814

Project #: 140504000

PO #: 140504000

Date: 09/01/2017

Table of Contents

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<i>Oil & Gas Map</i>	3
<i>Environmental Records Definitions</i>	5

Disclaimer

The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers And independent contractors cannot be held liable For actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.

Target Property Summary

Target Property Information

SW 10th Street

SW 10th Street between Military Trail and Powerline Road

Deerfield Beach, Florida 33442

Coordinates

Corridor

USGS Quadrangle

West Dixie Bend, FL

Geographic Coverage Information

County/Parish: Broward (FL)

ZipCode(s):

Deerfield Beach FL: 33442

Radon

* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

Database Radius Summary

STATE (FL) LISTING

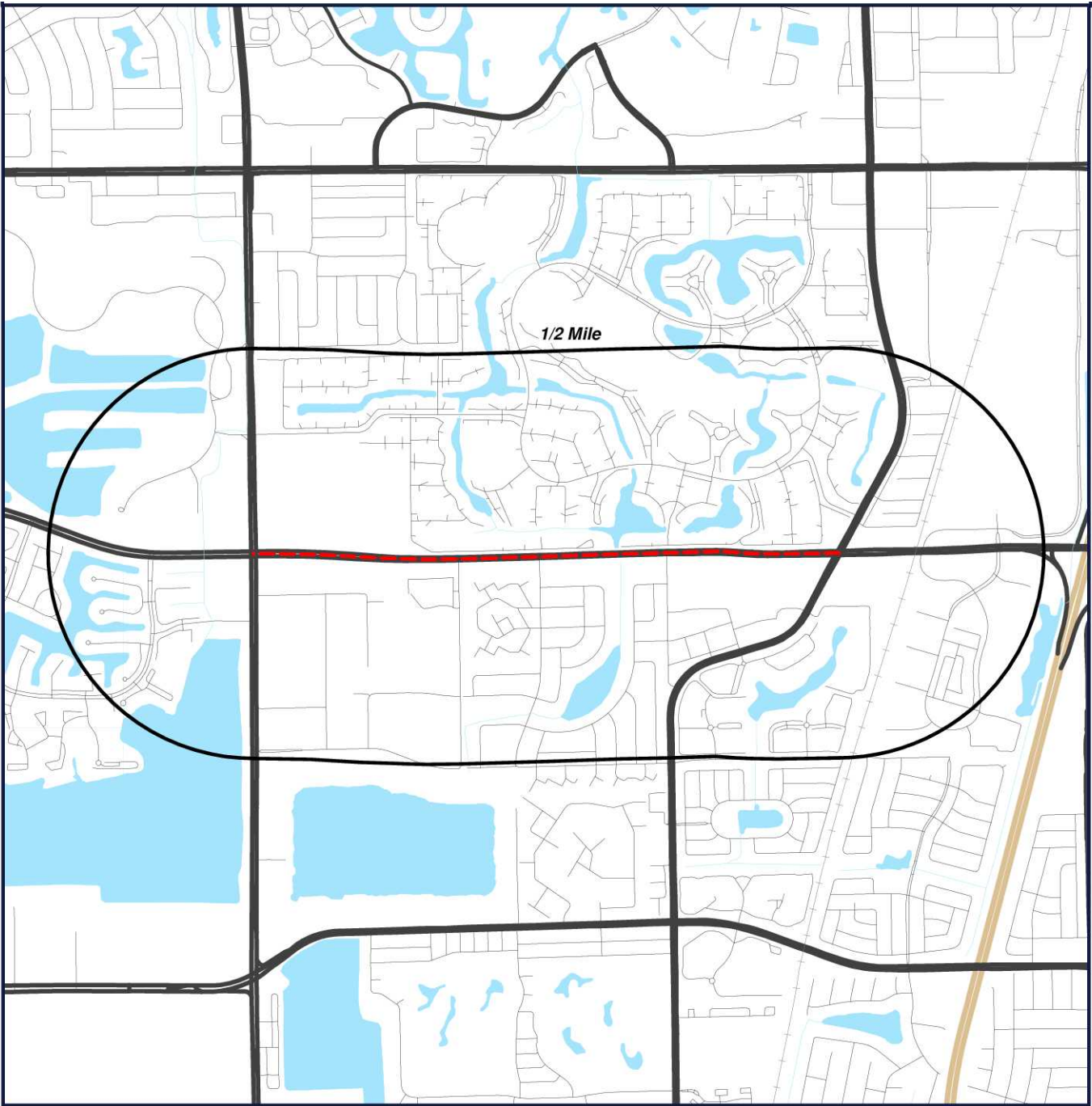
Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
OG	0.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		0	0	0	0	0	0	0
TOTAL		0	0	0	0	0	0	0

NOTES:

NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

OIL & GAS MAP



 Target Property (TP)

 Well Location

**SW 10th Street
SW 10th Street between
Military Trail and Powerline
Road
Deerfield Beach, Florida
33442**



0' 1000' 2000' 3000'
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

Located Sites Summary

No Records Found.

Environmental Records Definitions - STATE (FL)

OG

Permitted Oil and Gas Wells

VERSION DATE: 03/02/17

The permitted oil and gas well database is maintained and updated by the Florida Department of Environmental Protection 's Bureau of Mining and Minerals Regulation. The State and its officials and employees make no warranty, express or implied, and assume no legal liability or responsibility for the ability of users to fulfill their intended purposes in accessing or using GIS data or metadata, or for omissions in content regarding such data. The data could include technical inaccuracies and typographical errors. The data are presented "as is", without a warranty of any kind, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

GeoPlus Physical Setting Maps

[Satellite view](#)

Target Property:

SW 10th Street

**SW 10th Street between Military Trail and Powerline Road
Deerfield Beach, Broward County, Florida 33442**

Prepared For:

Kimley - Horn and Associates - Jacksonville

Order #: 92604

Job #: 201816

Project #: 140504000

PO #: 140504000

Date: 09/01/2017

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Target Property Summary

Target Property Information

SW 10th Street

SW 10th Street between Military Trail and Powerline Road

Deerfield Beach, Florida 33442

Coordinates

Corridor

USGS Quadrangle

West Dixie Bend, FL

Geographic Coverage Information

County/Parish: Broward (FL)

ZipCode(s):

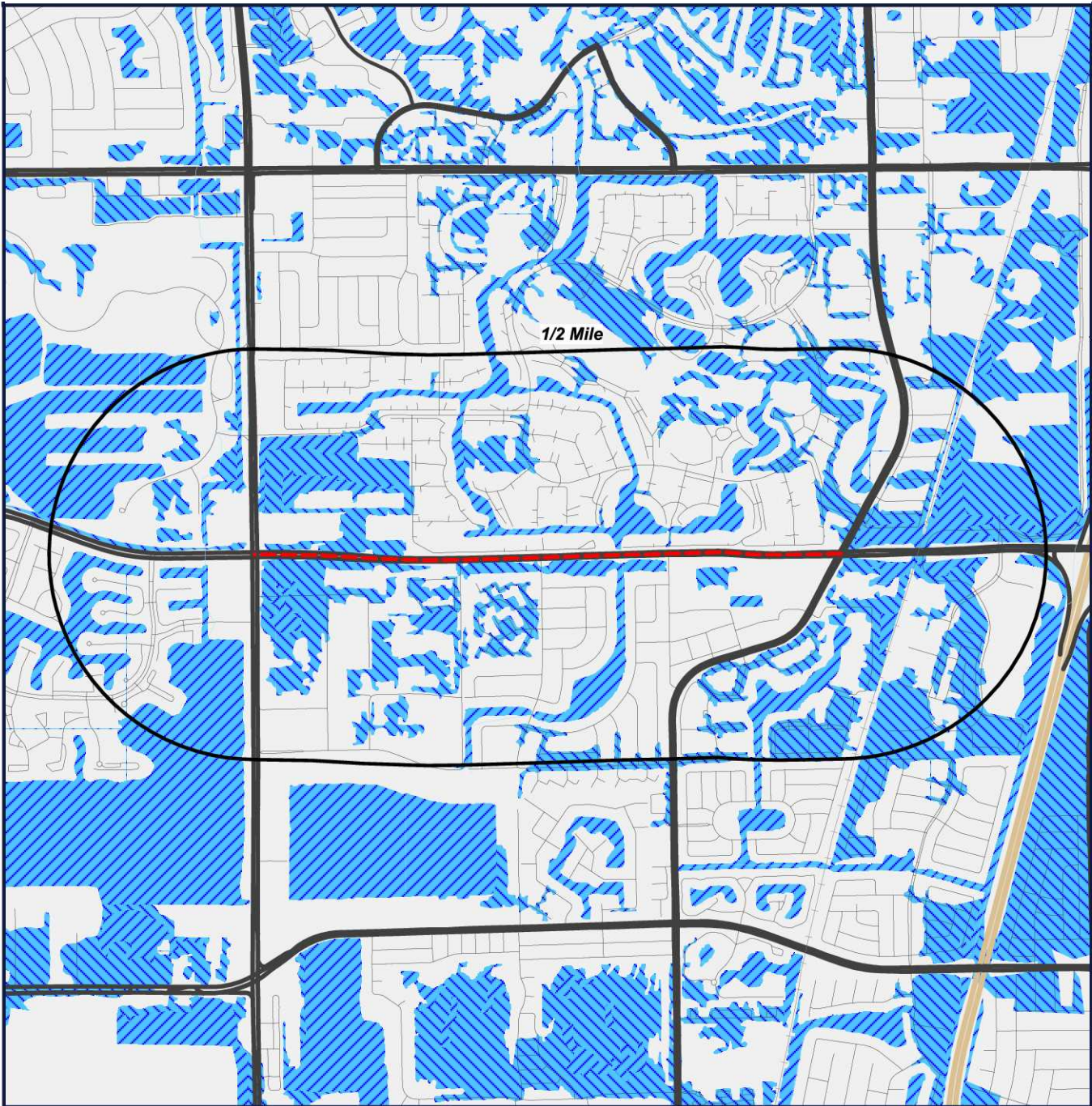
Deerfield Beach FL: 33442

Radon

* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

FEMA Map

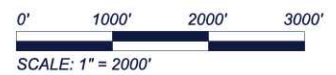


Target Property (TP)

- | | | | |
|--|---------|--|----------------------------------|
| | ZONE A | | ZONE D |
| | ZONE AE | | ZONE X |
| | ZONE AH | | AREA NOT INCLUDED |
| | ZONE A0 | | OPEN WATER |
| | ZONE AR | | NDA - DIGITAL DATA NOT AVAILABLE |
| | ZONE V | | |
| | ZONE VE | | |

SW 10th Street
SW 10th Street between
Military Trail and Powerline
Road
Deerfield Beach, Florida
33442

Letter of map revision date: 11/6/2016
 Latest study effective date: 12/22/2016
 Panel #: 12011C0159H



[Click here to access Satellite view](#)

FEMA Report

FEMA - Federal Emergency Management Agency

The National Flood Hazard Layer (NFHL) data used in this report is derived from the Federal Emergency Management Agency. The NFHL dataset is a compilation of effective Flood Insurance Rate Map (FIRM) databases (a collection of the digital data that are used in GIS systems for creating new Flood Insurance Rate Maps) and Letters of Map Change (Letters of Map Amendment and Letters of Map Revision only) that create a seamless GIS data layer for United States and its territories. The NFHL is updated as new study or LOMC data becomes effective. Note: Currently, not all areas have modernized FIRM database data available. As a result, users may need to refer to the effective Flood Insurance Rate Map for effective flood hazard information. This data was provided by the Federal Emergency Management Agency's Map Service Center in November of 2013.

FEMA Flood Zone Definitions within Search Radius

AE	Zone AE
-----------	---------

Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)

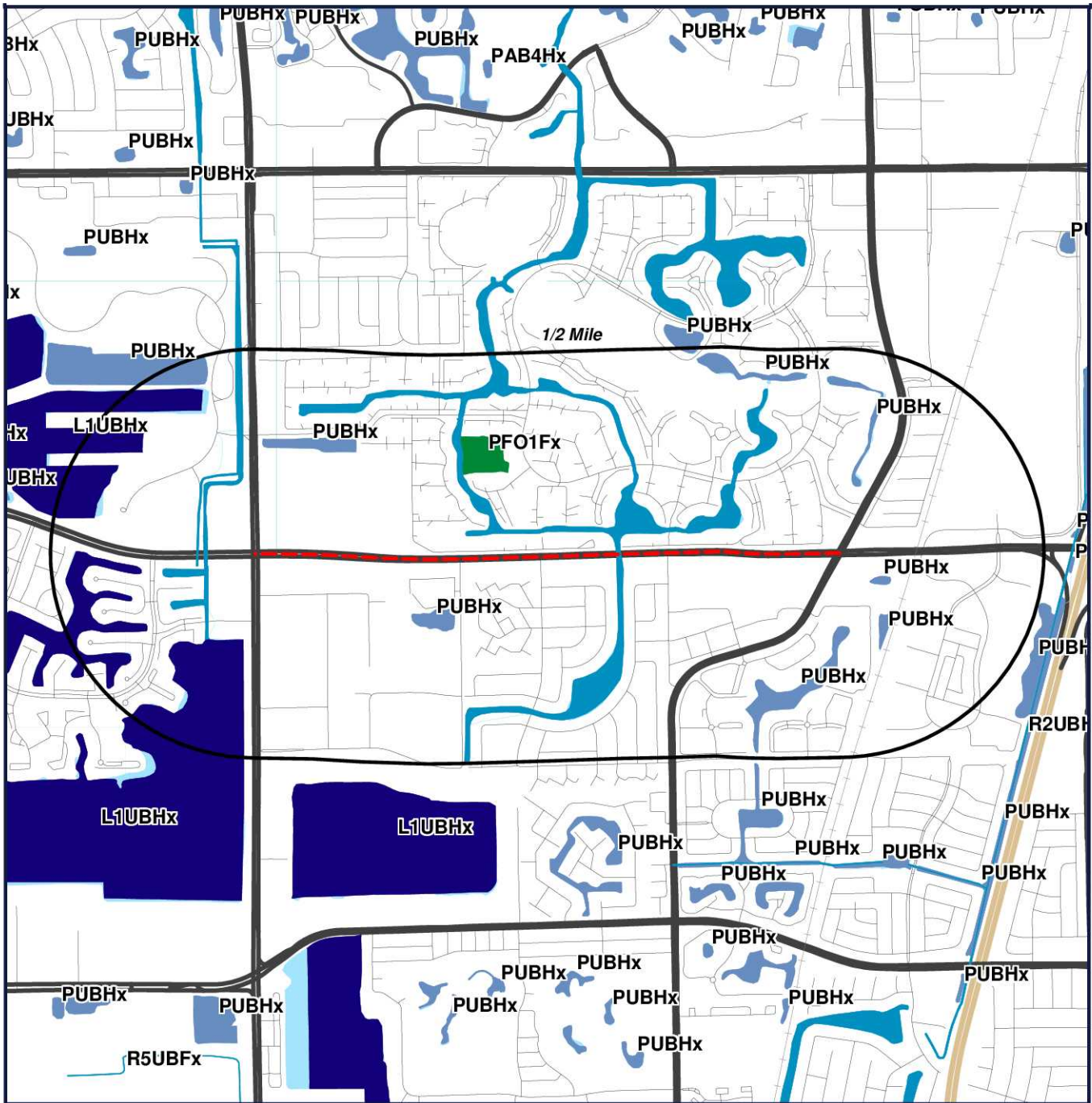
AH	Zone AH
-----------	---------

Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.

X	Zone X
----------	--------

An area that is determined to be outside the 100 and 500 year floodplains.

NWI Map



Target Property (TP)

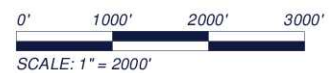
- ESTUARINE AND MARINE DEEPWATER
- ESTUARINE AND MARINE WETLAND
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/SHRUB WETLAND

- LAKE
- OTHER
- RIVERINE

SW 10th Street
SW 10th Street between
Military Trail and Powerline
Road
Deerfield Beach, Florida
FRES 33442

NDA - DIGITAL DATA NOT AVAILABLE

Map Date: 09/26/2016



[Click here to access Satellite view](#)

NWI Report

NWI - National Wetlands Inventory

The US NWI digital data bundle is a set of records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service. This dataset is one of a series available in 7.5 minute by 7.5 minute blocks containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes. When completed, the series will provide coverage for all of the contiguous United States, Hawaii, Alaska, and U.S. protectorates in the Pacific and Caribbean. The digital data as well as the hardcopy maps that were used as the source for the digital data are produced and distributed by the U.S. Fish & Wildlife Service's National Wetlands Inventory project. Currently, this data is only available in select counties throughout the United States.

NWI Definitions within Search Radius

L1UBHx

SYSTEM: **LACUSTRINE**
SUBSYSTEM: **LIMNETIC**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **PERMANENTLY FLOODED**
SPECIAL MODIFIER: **EXCAVATED**

PFO1Fx

SYSTEM: **PALUSTRINE**
CLASS: **FORESTED**
SUBCLASS: **BROAD-LEAVED DECIDUOUS**
WATER REGIME: **SEMIPERMANENTLY FLOODED**
SPECIAL MODIFIER: **EXCAVATED**

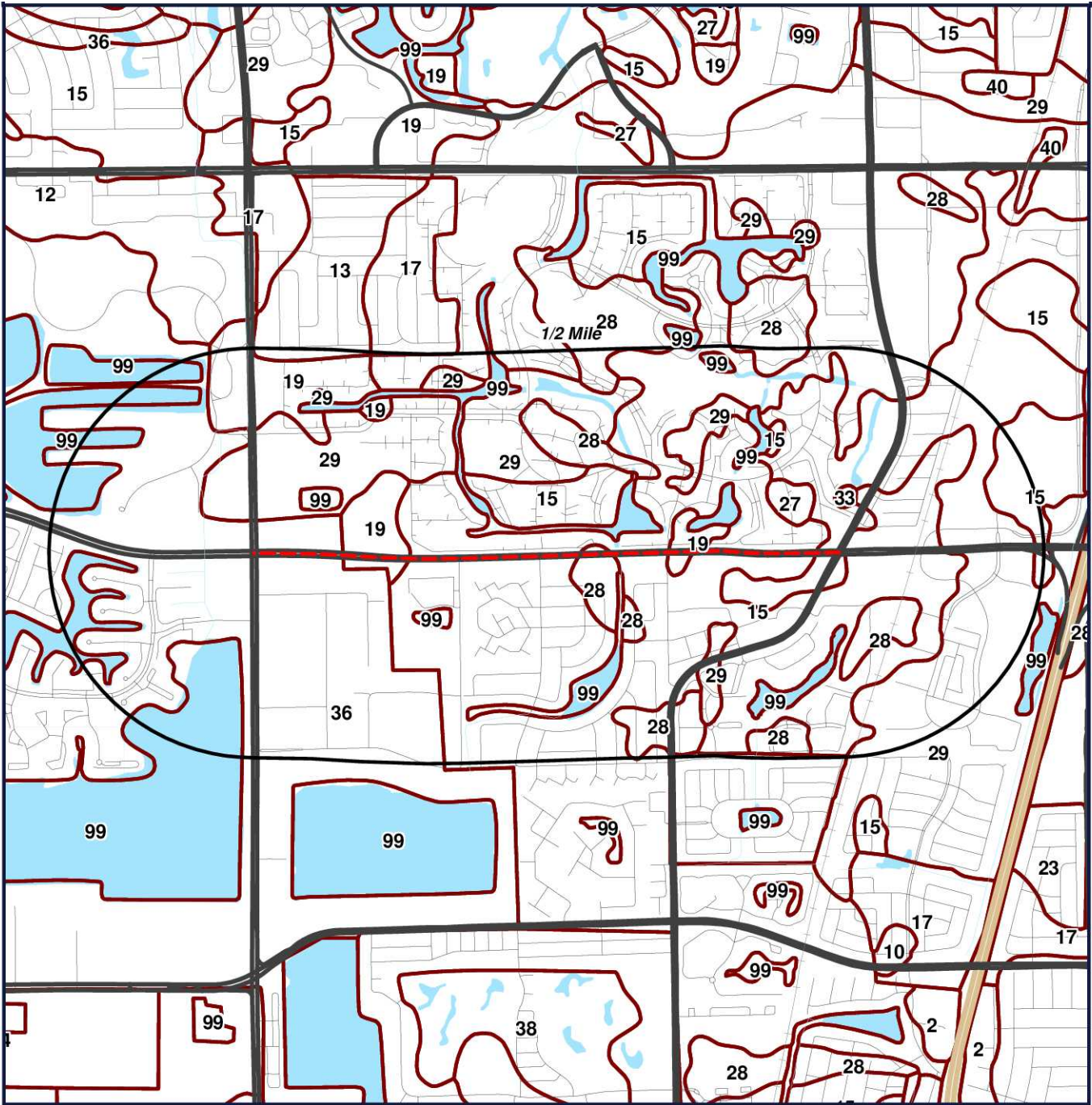
PUBHx

SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED BOTTOM**
SPECIAL MODIFIER: **EXCAVATED**

R2UBHx

SYSTEM: **RIVERINE**
SUBSYSTEM: **LOWER PERENNIAL**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **PERMANENTLY FLOODED**
SPECIAL MODIFIER: **EXCAVATED**

Soil Map



— Target Property (TP)

SOIL BOUNDARY

NOTCOM - DIGITAL DATA NOT AVAILABLE/NOT COMPLETE

**SW 10th Street
SW 10th Street between
Military Trail and Powerline
Road
Deerfield Beach, Florida
33442**



0' 1000' 2000' 3000'
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

SOIL Report

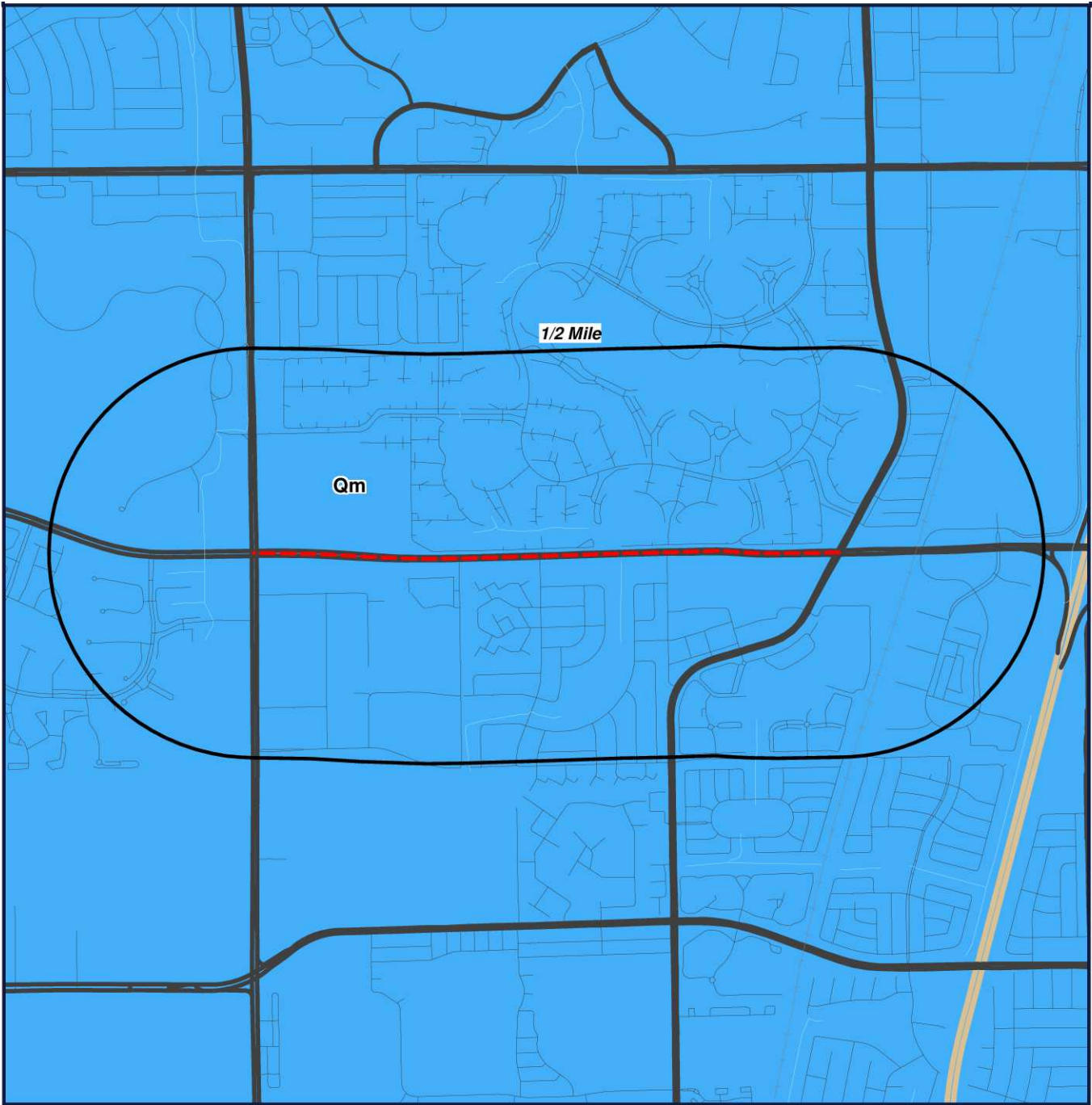
Soil Surveys

The soil data used in this report is obtained from the Natural Resources Conservation Service (NRCS). The NRCS is the primary federal agency that works with private landowners to help them conserve, maintain and improve their natural resources. The soil survey contains information that can be applied in managing farms and ranches; in selecting sites for roads, ponds, buildings and other structures; and in determining the suitability of tracts of land for farming, industry and recreation. This data is available in select counties throughout the United States.

SOIL Code Definitions within Search Radius

13	Hallandale-Urban land complex
15	Immokalee fine sand, 0 to 2 percent slopes
17	Immokalee-Urban land complex
19	Margate fine sand
27	Plantation muck
28	Pomello fine sand, 0 to 2 percent slopes
29	Pompano fine sand, 0 to 2 percent slopes
33	Sanibel muck
36	Udorthents
99	Water

Geology Map



 Target Property (TP)

**SW 10th Street
SW 10th Street between
Military Trail and Powerline
Road
Deerfield Beach, Florida
33442**



0' 1000' 2000' 3000'
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

GEOLOGY Report

US GEOLOGY

THE GEOLOGY DATA USED IN THIS REPORT ORIGINATES FROM THE USGS. THE FIRST STAGE IN DEVELOPING STATE DATABASES FOR THE CONTERMINOUS UNITED STATES WAS TO ACQUIRE DIGITAL VERSIONS OF ALL EXISTING STATE GEOLOGIC MAPS. ALTHOUGH A SIGNIFICANT NUMBER OF DIGITAL STATE MAPS ALREADY EXISTED, A NUMBER OF STATES LACKED THEM. FOR THESE STATES NEW DIGITAL COMPILATIONS WERE PREPARED IN COOPERATION WITH STATE GEOLOGIC SURVEYS OR BY THE NSA (NATIONAL SURVEYS AND ANALYSIS) PROJECT. THESE NEW DIGITAL STATE GEOLOGIC MAPS AND DATABASES WERE CREATED BY DIGITIZING ALREADY EXISTING PRINTED MAPS, OR, IN A FEW CASES, BY MERGING EXISTING LARGER SCALE DIGITAL MAPS.

GEOLOGY Definitions within Search Radius

GEOLOGY SYMBOL: **Qm**

UNIT NAME: **Miami Limestone**

UNIT AGE: **Pleistocene**

UNIT DESCRIPTION:

Miami Limestone - The Miami Limestone (formerly the Miami Oolite), named by Sanford (1909), occurs at or near the surface in southeastern peninsular Florida from Palm Beach County to Dade and Monroe Counties. It forms the Atlantic Coastal Ridge and extends beneath the Everglades where it is commonly covered by thin organic and freshwater sediments. The Miami Limestone occurs on the mainland and in the southern Florida Keys from Big Pine Key to the Marquesas Keys. From Big Pine Key to the mainland, the Miami Limestone is replaced by the Key Largo Limestone. To the north, in Palm Beach County, the Miami Limestone grades laterally northward into the Anastasia Formation. The Miami Limestone consists of two facies, an oolitic facies and a bryozoan facies (Hoffmeister et al. [1967]). The oolitic facies consists of white to orangish gray, poorly to moderately indurated, sandy, oolitic limestone (grainstone) with scattered concentrations of fossils. The bryozoan facies consists of white to orangish gray, poorly to well indurated, sandy, fossiliferous limestone (grainstone and packstone). Beds of quartz sand are also present as unindurated sediments and indurated limey sandstones. Fossils present include mollusks, bryozoans, and corals. Molds and casts of fossils are common. The highly porous and permeable Miami Limestone forms much of the Biscayne Aquifer of the surficial aquifer system.

ADDITIONAL UNIT INFORMATION:

ROCKTYPE/S: **limestone; sandstone; sand**



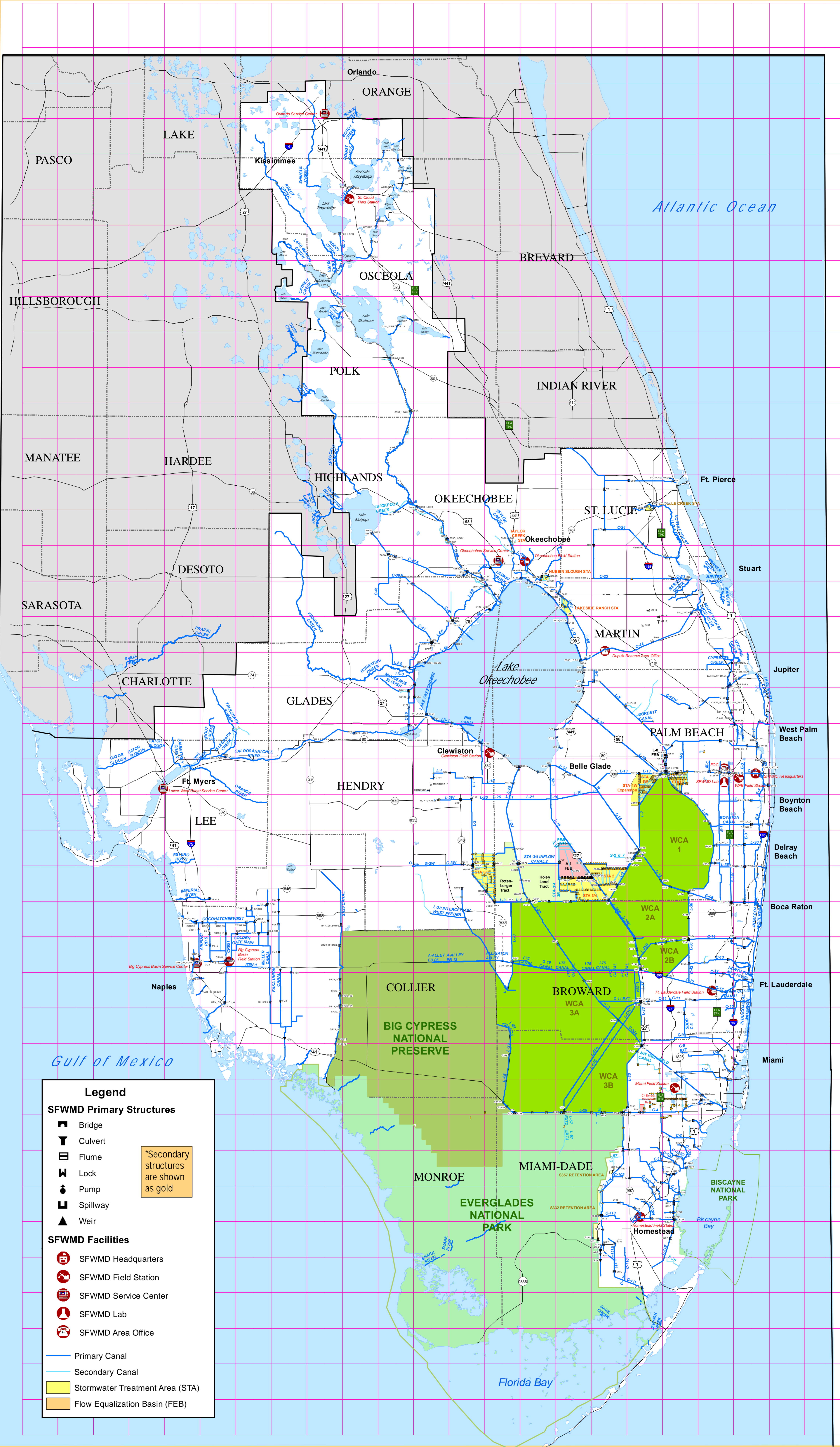
APPENDIX D
Surface Water Maps, Drainage Districts



A B C D E F G H I J K L M N O P Q R S T U V W

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Legend

SFWM Primary Structures

- Bridge
- Culvert
- Flume
- Lock
- Pump
- Spillway
- Weir

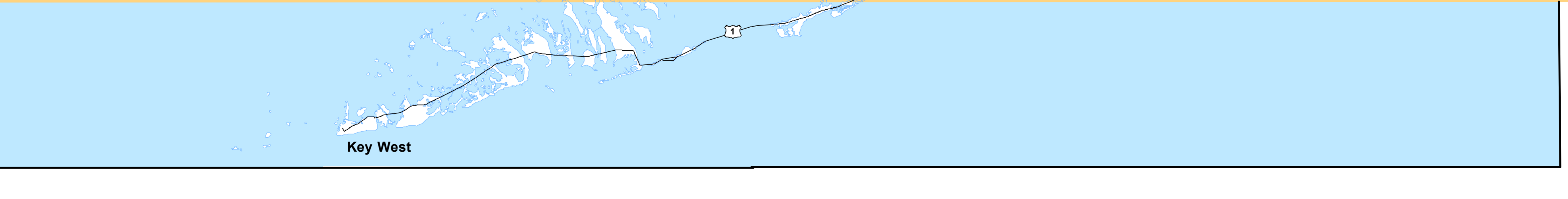
SFWM Facilities

- SFWM Headquarters
- SFWM Field Station
- SFWM Service Center
- SFWM Lab
- SFWM Area Office

Secondary structures are shown as gold

- Primary Canal
- Secondary Canal
- Stormwater Treatment Area (STA)
- Flow Equalization Basin (FEB)

A B C D E F G H I J K L M N O P Q R S T U V W



FACILITY AND INFRASTRUCTURE LOCATION INDEX MAP



BIG CYPRESS BASIN FIELD STATION
(239) 597-2236

BIG CYPRESS BASIN SERVICE CENTER
(239) 263-7615

CLEWISTON FIELD STATION
(863) 983-1431

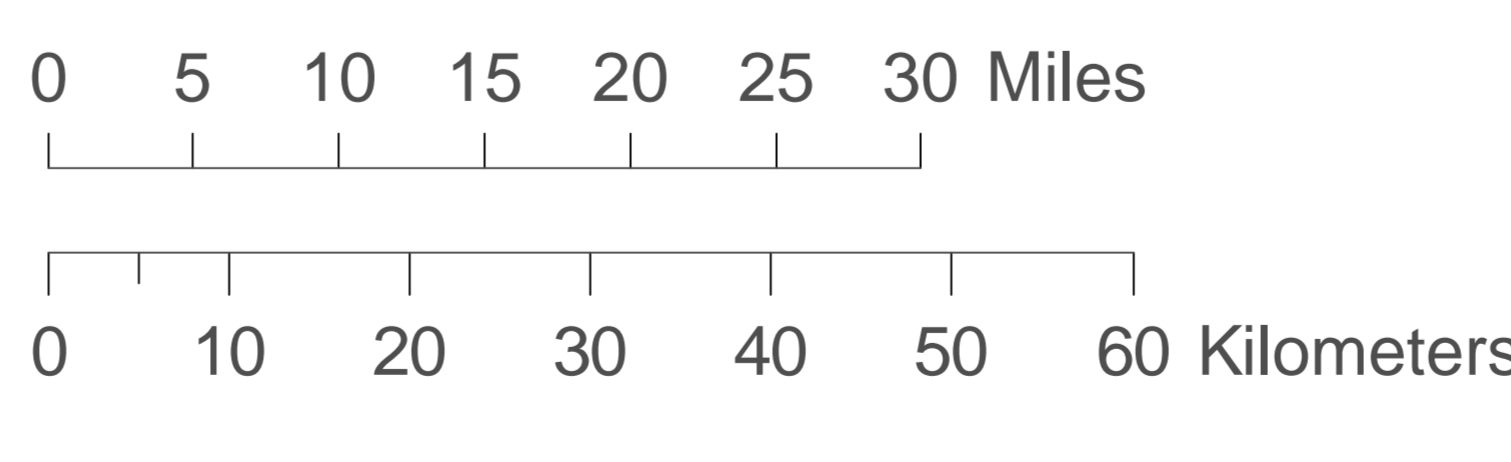
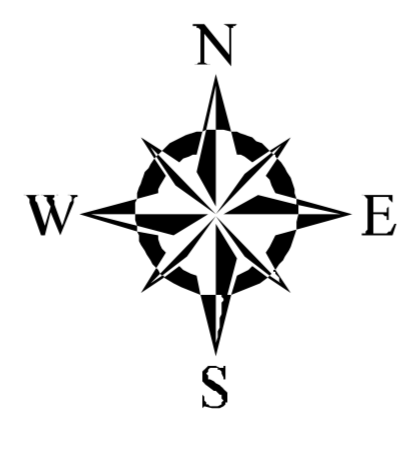
DUPUI'S MANAGEMENT AREA OFFICE
(561) 924-5310

FIELD OPERATIONS CENTER (FOC)
(561) 753-2400

FORT LAUDERDALE FIELD STATION
(954) 452-4814

HOMESTEAD FIELD STATION
(305) 242-5933

LOWER WEST COAST SERVICE CENTER
(239) 338-2929



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MIAMI FIELD STATION
(305) 513-3420

OKEECHOBEE FIELD STATION
(863) 462-5280

OKEECHOBEE SERVICE CENTER
(863) 462-5260


ORLANDO SERVICE CENTER
(407) 858-6100

SFWM HEADQUARTERS
(561) 686-8800

ST. CLOUD FIELD STATION
(407) 891-3550

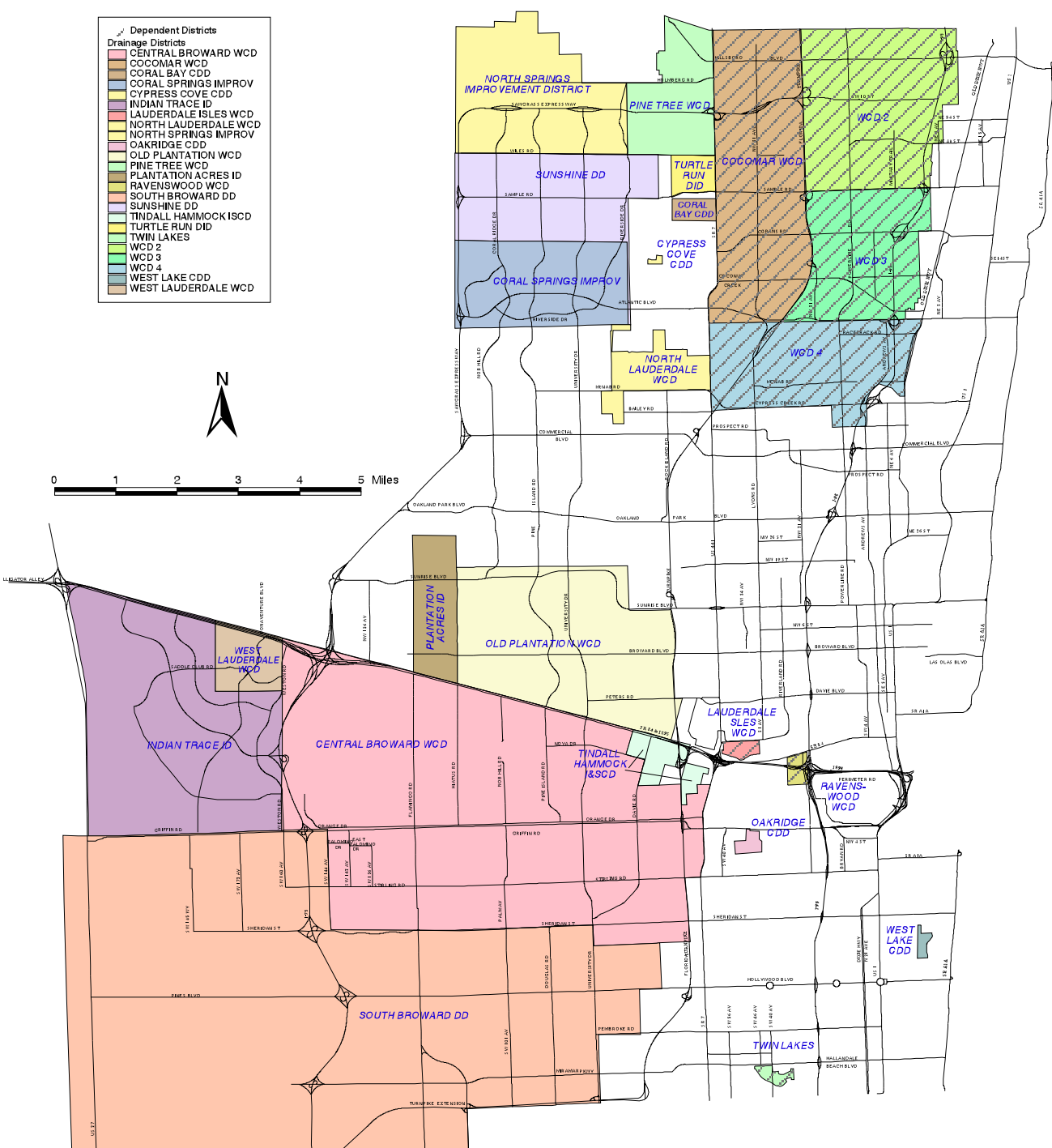
WEST PALM BEACH FIELD STATION
(561) 791-4100

Drainage Districts Broward County, Florida

-  Dependent Districts
Drainage Districts
 CENTRAL BROWARD WCD
 COCOMAR WCD
 CORAL BAY CDD
 CORAL SPRINGS IMPROV
 CYPRESS COVE CDD
 INDIAN TRACE ID
 LAUDERDALE ISLES WCD
 NORTH LAUDERDALE WCD
 NORTH SPRINGS IMPROV
 OAKRIDGE CDD
 OLD PLANTATION WCD
 PINE TREE WCD
 PLANTATION ACRES ID
 RAVENSWOOD WCD
 SOUTH BROWARD DD
 SUNSHINE DD
 TINDALL HAMMOCK ISCD
 TURTLE RUN DID
 TWIN LAKES
 WCD 2
 WCD 3
 WCD 4
 WEST LAKE CDD
 WEST LAUDERDALE WCD

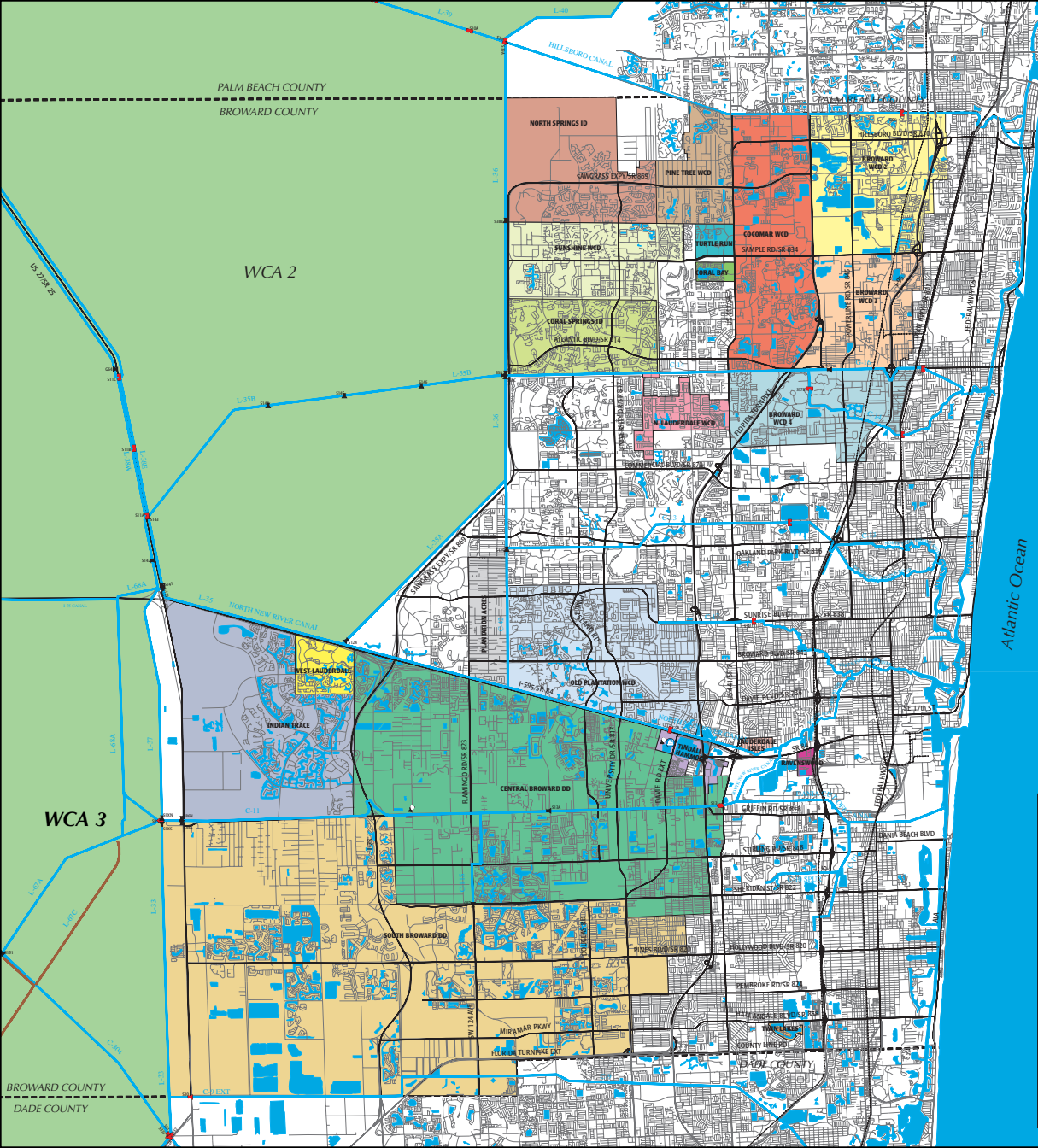


0 1 2 3 4 5 Miles



Broward County Department of
 Planning and Environmental Protection
 Geographic Information Systems
 Water Resources Division





SPECIAL DRAINAGE DISTRICTS

- Broward County Water Control District #2 (954) 831-0767
- Broward County Water Control District #3 (954) 831-0767
- Broward County Water Control District #4 (954) 831-0767
- Central Broward Drainage District (954) 432-5110
- Cocoma Water Control District (954) 831-0767
- Coral Bay Community Development District (954) 724-2001
- Coral Springs Improvement District (954) 753-0380
- Indian Trace Community Development District (954) 753-5841
- Lauderdale Isles Water Control District (954) 584-7591
- North Lauderdale Water Control District (954) 771-0880
- North Springs Improvement District (954) 753-0380
- Old Plantation Water Control District (954) 472-5596
- Pine Tree Water Control District (954) 753-0380
- Plantation Acres Improvement District (954) 474-3092
- Ravenswood Water Control District (954) 831-0767
- South Broward Drainage District (954) 680-3337
- Sunshine Water Control District (954) 753-0380
- Tindall Hammock Irrigation & Soil Conservation District (954) 566-8341
- Turtle Run Community Development District (954) 753-0380
- Twin Lakes Water Control District (954) 831-0767
- West Lauderdale Water Control District (954) 753-0380



0 1000 Feet

SPECIAL DRAINAGE DISTRICTS WITHIN BROWARD COUNTY



Water Resources Operations

APPENDIX E
Wellfield Code

ARTICLE XIII. - WELLFIELD PROTECTION^[12]

Sec. 27-375. - Declaration of intent.

In order to provide safe and secure management of the potable water resources for community water systems within Broward County's aquifers, as well as to protect the health of Broward County's citizens, Broward County declares that the storage, handling, and use of high-risk hazardous materials within the wellfield protection areas of Broward County's community water systems must be regulated. Furthermore, the Board finds that the improper storage, handling, use, and production of regulated substances can cause those substances to enter the public water supply. The Environmental Protection and Growth Management Department shall have the authority to license, inspect, evaluate, review, administer, and promote green initiatives for all regulated substance activities within the wellfield protection areas in order to provide a potable water source that is protected and secure.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-376. - Definitions.

When used in this article, the following words, phrases, and terms shall have the indicated meanings:

Closure means the removal and proper disposal of all regulated substances from a facility when the facility changes business operations or vacates the property.

Community water system means any privately-owned, municipally-owned, special district-owned, or county-owned water system serving twenty-five (25) people or more.

Confined aquifer means the Floridan Aquifer System located below the top of the Hawthorn Group.

Existing water well means a water well that supplies, or has the potential to supply, water for consumption by a community water system.

Groundwater means water within the earth supplied by wells and springs.

Hazardous material wellfield facility means any nonresidential land, structure, other appurtenance, or improvement used for storing, handling, using, or producing regulated substances in a wellfield protection area.

Hazardous material wellfield license means a license issued by the county to a person constructing, occupying, or operating a hazardous material wellfield facility.

High-risk hazardous materials means those substances identified on the regulated substances list.

Monitoring well means any non-pumping well used to obtain water quality samples or measure ground water levels.

Nonresidential activity means any activity which occurs in any building, structure, or open area that is not a residential unit.

Owner/operator means any person, corporation, or entity that owns or operates a facility, activity, vehicle, or property subject to regulation pursuant to this article.

Potable water means water withdrawn from a water well and treated to meet current state and federal drinking water standards for drinking, culinary, and domestic purposes.

PPRAQD means the Pollution Prevention, Remediation and Air Quality Division of the Environmental Protection and Growth Management Department.

Raw water means water withdrawn from a water well and in a state prior to treatment.

Reclaimed water means water that has received at least secondary treatment and basic disinfection and is reused after flowing out of a domestic wastewater treatment facility.

Regulated substance means any substance listed in Appendix A of this article.

Release means the unauthorized spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, seeping, leaching, dumping, or disposing of any regulated substance (including abandoning or discarding barrels, containers, or other receptacles) to the waters and soils of Broward County.

Residential unit means a building with less than four (4) live-in units that is used for noncommercial purposes only.

Secondary containment means an impermeable coating, membrane, surface, or structure in which tanks or containers are placed. For tanks or containers larger than one hundred and ten (110) gallons, the secondary containment shall hold one hundred and ten percent (110%) of the volume of the largest tank or container. For tanks or containers of one hundred and ten (110)

gallons or less, the secondary containment shall hold twenty percent (20%) of the combined volume of all the tanks or containers within the secondary containment, but no less than the volume of the single largest tank or container. All materials in a secondary containment shall be stored in a manner which prevents contact with an incompatible material or container in the event of a release. For the purpose of this article, a double-walled tank shall be considered secondary containment.

Storage means the act of keeping a regulated substance or regulated substances onsite within a hazardous material wellfield facility.

Surficial aquifer system means the unconfined aquifer located above the top of the Hawthorn Group.

Surficial aquifer system water well means a water well that accesses, withdraws, or produces water from a surficial aquifer system.

Unauthorized means performing any activity governed by the provisions of this article without a license or prior to receipt of written approval from PPRAQD.

Water well means any excavation that is drilled, cored, bored, washed, driven, dug, jetted, or otherwise constructed, when the intended use of such excavation is for accessing, withdrawing, and producing water from an underground aquifer for potable use by a community water system.

Wellfield means a tract of land which contains one (1) or more existing water wells for potable use by a community system.

Zone 1 means the wellfield protection area shown on the zones of influence map for existing water wells depicted on that map, and within two hundred and fifty (250) feet from an existing water well not depicted on that map.

Zone 2 means the wellfield protection area shown on the zones of influence map for existing water wells depicted on that map, and situated between the outer boundary of Zone 1 and five hundred (500) feet from an existing water well not depicted on that map.

Zone 3 means the wellfield protection area shown on the zones of influence map for existing water wells depicted on that map, and situated between the outer boundary of Zone 2 and one thousand three hundred and twenty (1,320) feet from an existing water well not depicted on that map.

Zones of influence means Zones 1, 2, and 3 as defined within this article.

Zones of influence map means that map of water wells within Broward County, Florida, approved on February 16, 2001, by the Florida Department of Community Affairs and kept on file in the offices of PPRAQD.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-377. - List of regulated substances.

- (a) The list of substances regulated under this Article XIII appears as Appendix A of this article ("List of Regulated Substances").
- (b) Any chemical compound that contains a regulated substance is hereby made subject to the regulations under this article.
- (c) The List of Regulated Substances includes chemicals listed as primary drinking water standards in the most current version of Chapter 62-550, Florida Administrative Code, carcinogens in the most current version of Chapter 62-777, Florida Administrative Code, and microbiological indicators of bacterial contamination including fecal coliform and total coliform.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-378. - Wellfield protection area.

The wellfield protection area for Broward County is the surface area and the subsurface area including the surficial aquifer system and all confined aquifers within the zones of influence as defined in Section 27-376.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-379. - Facility locations within the wellfield protection area.

- (a) A hazardous material wellfield facility located within one (1) single zone of influence shall be governed by the restrictions applicable to that zone.
- (b) Each part of a hazardous material wellfield facility located within more than one (1) zone of influence shall be governed by the restrictions applicable to the zone in which that part of the facility is located.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-380. - Notifications.

- (a) An owner/operator of a hazardous material wellfield facility in Zone 1 or Zone 2 shall provide written notification to PPRAQD, Wellfield Protection Program, within thirty (30) days after adding or removing a chemical compound containing regulated substances to or from the facility's inventory of regulated substances or after any change in the facility's storage, handling, use, or production of such chemical compounds.
- (b) An owner/operator of a hazardous material wellfield facility in Zone 1 or Zone 2 shall provide written notification to PPRAQD, Wellfield Protection Program, within thirty (30) days prior to any expansion, alteration, or modification of the facility.
- (c) An owner of property within a wellfield protection area shall provide written notification to PPRAQD, Wellfield Protection Program, within fifteen (15) days that a tenant has moved into or out of the property, if that tenant stores, handles, uses, or produces any regulated substance.
- (d) An owner/operator of a community water system shall provide written notification to PPRAQD, Wellfield Protection Program, within thirty (30) days after the identification of any facility it determines is a potential threat to the community water system.
- (e) An owner/operator of a community water system shall notify all businesses within two hundred and fifty (250) feet from the location of a surficial aquifer system water well, at least sixty (60) days prior to beginning construction, that each business will be located within Zone 1 of a wellfield protection area.
- (f) An owner/operator of a community water system shall notify all businesses that are between two hundred and fifty (250) feet to five hundred (500) feet from the location of a surficial aquifer system water well, at least sixty (60) days prior to beginning construction, that each business will be located within Zone 2 of a wellfield protection area.
- (g) An owner/operator of a community water system that constructs a surficial aquifer system water well shall provide PPRAQD, Wellfield Protection Program, the well completion report and a current study listing the names and addresses of all businesses within Zones 1 and 2 of the newly-constructed water well within thirty (30) days after construction.
- (h)

An owner/operator of a hazardous material wellfield facility shall provide written notice of construction to PPRAQD, Wellfield Protection Program, at least seventy-two (72) hours prior to construction of a monitoring well.

- (i) An owner/operator of a hazardous material wellfield facility shall provide written notice to PPRAQD, Wellfield Protection Program, at least seventy-two (72) hours prior to the collection of groundwater or raw water samples from a monitoring well if such notice is requested by PPRAQD. If an owner/operator of a hazardous material wellfield facility receives such a request within the seventy-two (72) hour period prior to the anticipated collection of groundwater or raw water samples from a monitoring well, it shall provide notice to PPRAQD as soon as possible after receipt.
- (j) An owner/operator of a hazardous material wellfield facility shall provide PPRAQD, Wellfield Protection Program, the designated number of the monitoring well and a well completion report in accordance with PPRAQD's Minimum Criteria for Monitoring Well Installation and Sampling, within thirty (30) days after construction of a monitoring well.
- (k) An owner/operator of a hazardous material facility shall, in the event of an unauthorized release of any quantity of regulated substances to the environment in Zone 1 or Zone 2, or an unauthorized release of regulated substances that exceeds the Reportable Quantity Threshold established in Section 27-352 in Zone 3, stabilize the situation by stopping, containing, and abating the release and the further spread of contamination, and implement the spill prevention and control plan, if one has been prepared. The owner/operator shall also:
 - (1) immediately report the incident(s) by telephone to PPRAQD Environmental Response Line at 954-519-1499 or by electronic mail to epdhotline@broward.org; and
 - (2) provide written notification of oral or electronic mail reports to PPRAQD within seven (7) days after the date of the release. Written notification shall include, at a minimum, the location of the release, a brief description of the incident that caused the release or discovery, a description of the quantity and composition of the release, a brief description of the actions taken in response to the release, and any laboratory analyses of any samples taken, if available.
- (l)

An owner/operator of a hazardous material wellfield facility shall provide written notice to PPRAQD within fifteen (15) business days after the completion of a closure or of an owner/operator vacating the facility in accordance with Subsection 27-384(d), notwithstanding whether the facility was licensed.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-381. - Prohibitions, restrictions, and licensing within the wellfield protection area.

(a) General prohibitions and restrictions on hazardous material wellfield facilities:

- (1) The storage, handling, use, or production of any regulated substance is prohibited in Zone 1, unless exempt pursuant to Section 27-382.
- (2) The release of any regulated substances in any quantity on soils, in ground water, or in surface waters is prohibited in any wellfield protection area.
- (3) The storage, handling, use, or production of any regulated substances outside secondary containment, as defined in Section 27-352, is prohibited in any wellfield protection area.
- (4) Buildings in a hazardous material wellfield facility shall have no floor drains or outlets, except those plumbed to a sanitary sewer.
- (5) All regulated substances shall be stored, handled, and used only in accordance with the manufacturer's instructions.
- (6) All regulated substances shall be stored solely in original consumer packages in which they are typically distributed for consumer or commercial use, or in other suitable containers properly labeled so as to indicate their contents.
- (7) All waste products and containers generated by the hazardous material wellfield facility shall be properly disposed of in accordance with federal, state, and county requirements.
- (8) All regulated substances stored and used by the hazardous material wellfield facility shall be used solely on-site for the maintenance or operation of the business.
- (9) All new surficial aquifer system water well locations should be chosen to minimize the impact of the wellfield protection restrictions on existing businesses.

(10)

Reclaimed water and untreated water shall not be released to the ground or be allowed to flow to within one hundred (100) feet from an existing water well.

(b) General prohibitions and restrictions for hazardous material wellfield licensees:

- (1) In addition to the requirements set forth in Subsection (a), above, the following requirements also apply to all owners and operators of a hazardous material wellfield facility:
 - a. The owner/operator shall apply for and obtain a hazardous material wellfield license prior to storing, handling, using, or producing any chemicals containing regulated substances.
 - b. The owner/operator shall follow all general and specific conditions of the hazardous material wellfield license.
 - c. The licensee shall maintain a written inventory of regulated substances listing all of the chemicals containing regulated substances stored, handled, used, or produced at the facility, the regulated substances found within each chemical, and the maximum quantities of each chemical that will be present at the facility. The inventory shall be updated when a new chemical compound containing regulated substances is added to the inventory or when an existing chemical compound is completely removed from the facility in Zone 1 or Zone 2. Notice of inventory changes shall be provided in accordance with Section 27-380.
 - d. The licensee shall develop and submit a spill prevention and control plan on PPRAQD's form within thirty (30) days after receipt of the original license. The licensee shall implement its procedures immediately upon the release of a regulated substance.
 - e. The licensee shall maintain emergency collection supplies and equipment, including but not limited to, absorbent materials and containers for storing the absorbent waste and equipment on site and in sufficient quantities to control a release of chemicals containing regulated substances.
 - f. The licensee shall maintain manifests and receipts for all disposed waste for a minimum of five (5) years. All waste shall be disposed of in accordance with federal, state, and county requirements.

- g. The licensee is responsible for the proper storage, handling, use, production, and disposal of all regulated substances stored at the hazardous material wellfield facility being used in construction, renovation, repair activities, and demolition by contractors, subcontractors, consultants, and other parties. The licensee shall notify PPRAQD, Wellfield Protection Program, of an inventory change when regulated substances used for construction, renovation, repair activities, and demolition are moved to or from the facility and when the activities cease. The licensee shall be responsible for releases resulting from such activities.
- (c) Specific prohibitions and restrictions for hazardous material wellfield licensees:
- (1) Within Zone 1: Hazardous material wellfield facilities are prohibited unless exempt pursuant to Subsection 27-382(a) or (b). Exempt facilities shall obtain a hazardous material wellfield license prior to storing, handling, using, or producing any chemicals containing regulated substances.
 - (2) Within Zone 2: Hazardous material wellfield facilities are prohibited unless authorized by a hazardous material wellfield license or exempt as provided in Subsection 27-382(b). The licensee of a hazardous material wellfield facility shall install one (1) or more monitoring wells at the owner/operator's expense as determined by PPRAQD, Wellfield Protection Program. The owner/operator shall sample the monitoring well(s) quarterly and submit the analytical results for each well to PPRAQD, Wellfield Protection Program, by the fifteenth (15th) day of the month following each quarter. Each monitoring well shall be constructed and sampled in accordance with the latest version of PPRAQD's *Minimum Criteria for Monitoring Well Installation and Sampling*. The quarterly sample collection periods are:
 - 1st quarter: January 1 through March 31
 - 2nd quarter: April 1 through June 30
 - 3rd quarter: July 1 through September 30
 - 4th quarter: October 1 through December 31
- (3)

Within Zone 3: All facilities that meet any of the following criteria shall be required to obtain a hazardous material wellfield license, abide by the conditions of that license, and comply with the licensee restrictions of Subsections 27-381(b) and (c):

- a. Any facility that has a documented release of greater than twenty-five (25) gallons or two hundred and fifty (250) pounds of chemicals containing regulated substances other than Tetrachloroethene, Trichloroethene, Carbon Tetrachloride, Methylene Chloride, 1,1,1,-Trichloroethane, and 1,2-Dichloroethane; or
- b. Any facility that has a documented release of any quantity of chemicals containing the regulated substances Tetrachloroethene, Trichloroethene, Carbon Tetrachloride, Methylene Chloride, 1,1,1,-Trichloroethane, or 1,2-Dichloroethane.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-382. - Exemptions.

- (a) The following facilities are exempt from the prohibition of storing, handling, and using regulated substances in Zone 1, provided all requirements of Section 27-381 are followed and the facility obtains and maintains a hazardous material wellfield license and abides by the conditions of that license:
 - (1) Public and private water treatment plants and wastewater treatment plants; and
 - (2) Sites undergoing construction, renovation, and demolition activities. The exemption for construction, renovation, and demolition activities does not include the storage, handling, and use of fuels.
- (b) The following activities are exempt from Subsections 27-381(a)(1), 27-381(b), and 27-381(c)(2), provided all other requirements of Section 27-381 are met:
 - (1) The storage, handling, use, or production of regulated substances located solely within a wellfield protection area adjacent to an existing water well that produces potable water solely from a confined aquifer, when the existing water well has been constructed in accordance with South Florida Water Management District regulations;
 - (2)

The storage, handling, use, or production of any chemical compound containing a regulated substance where it can be demonstrated that the compound is insoluble in water;

- (3) The storage of regulated substances contained within a vehicle (motor vehicle, aircraft, water craft, and vehicles used to load and unload cargo), machinery, lawn mowers, and pressure washers as long as the vehicle and equipment remain operational and the regulated substances are contained;
- (4) The storage of surface coatings contained within their original aerosol cans; and
- (5) The handling and use of pesticides, herbicides, and fungicides, when the regulated substances are used according to the manufacturer's instructions, including the quantity and frequency of application; the chemicals are applied by a licensed applicator and the applicator follows the requirements of EPA registries and the requirements as set forth in Chapters 482 and 487, Florida Statutes, and Chapters 5E-2 and 5E-9, Florida Administrative Code; the owner/operator of a hazardous material wellfield facility maintains records of the date, frequency, amount, and type of chemical applied for a minimum of five (5) years; and the owner/operator of a hazardous material wellfield facility provides written notice to the applicators that they are working in a wellfield protection area. This exemption does not apply to the storage of pesticides, herbicides, and fungicides or the use, handling, or storage of any chemicals containing arsenic;
- (6) The handling and use of nitrate and phosphate fertilizers, when:
 - a. The regulated substances are used according to the manufacturer's instructions, including the quantity and frequency of application;
 - b. The owner/operator maintains records of the date, frequency, amount, and type of chemical applied; and
 - c. The owner/operator of a hazardous material wellfield facility provides written notice to the applicators that they are working in a wellfield protection area;
- (7) The storage, handling, and use of retail goods containing regulated substances, when they are stored in their original consumer packages and when each individual package does not exceed five (5) gallons or ten (10) pounds;

- (8) The storage, handling, and use of janitorial supplies, when the supplies are kept on site and are used solely for maintenance, are stored in their original containers, and each individual package does not exceed five (5) gallons or ten (10) pounds;
- (9) The storage, handling, and use of regulated substances at a residential unit, as defined in Section 27-376, by the owner or resident consistent with the manufacturer's recommended uses or the packaging usage instructions;
- (10) The storage, handling, and use of regulated substances, the sole purpose of which is for internal use in electrical equipment owned or operated by a public or private electric utility regulated by the Florida Public Service Commission, if the fluids are stored, handled, and used in conjunction with the replacement of electrical equipment. The storage, handling, and use of these fluids is regulated under a special license issued by PPRAQD under the provisions of Article XII, Subsection 27-356(e) of the Code;
- (11) The handling and use of regulated substances when used for paving road surfaces;
- (12) The storage, handling, and use of regulated substances in portable emergency equipment, including tanks used exclusively to ensure a continuous emergency supply of potable water, electrical power, sewer service, telephone service, or other essential services, subject to the following conditions:
 - a. When the portable emergency equipment is not being used, it shall be:
 1. Fueled outside Zones 1 and 2 in a secure fueling area;
 2. Checked for leaks, repaired if any leaks are discovered, and a written record of inspections and repair shall be maintained at the facility;
 3. Checked for leaks daily if outside of secondary containment, and monthly if in secondary containment; and
 4. Stored and secured to prevent damage to the equipment from hurricane force winds and flooding.
 - b. When the portable emergency equipment is being used, it shall be:
 1. Fueled in such a manner as to prevent a release into the environment;

2. Removed from the location where it was used as soon as regular power service has been restored and the emergency event has passed;
 3. Checked for leaks, repaired if any leaks are discovered, and a written record of inspections and repair shall be maintained at the facility;
 4. Checked for leaks daily if outside of secondary containment, and monthly if in secondary containment; and
 5. Provided spill control equipment and the capability to provide an emergency response to any release of regulated substances at the temporary location;
- (13) Pasture and grazing land uses when the land has a low intensity use which includes no barns, feedlots, or holding pens and when the animal population is fewer than fifty (50) animals;
- (14) Elemental lead (Pb) contained solely within batteries;
- (15) Mercury-containing lamps and mercury-containing devices; and
- (16) Rechargeable batteries.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-383. - Requirements for raw water samples.

- (a) Each community water system wellfield protection area that contains one (1) or more hazardous material wellfield facilities shall be required to perform raw water monitoring and to submit raw water sample analyses as required by the hazardous material wellfield license conditions.
- (b) The community water system operator shall sample each existing water well as required by its license conditions each quarter and submit the analytical results for each well to PPRAQD, Wellfield Protection Program, by the fifteenth (15th) day of the month following each quarter. The quarterly sample collection periods are:
 - 1st quarter: January 1 through March 31;
 - 2nd quarter: April 1 through June 30;
 - 3rd quarter: July 1 through September 30; and

4th quarter: October 1 through December 31.

(Ord. No. 2013-23, § 1, 6-11-13)

Sec. 27-384. - Hazardous material wellfield license.

- (a) General:
 - (1) The owner/operator of a hazardous material wellfield facility shall obtain an appropriate license prior to the commencement of its construction, closure, alteration, replacement, or operation, or its storing, handling, using, or producing regulated substances.
 - (2) All regulated substances stored at a hazardous material wellfield facility shall be stored in secondary containment.
 - (3) Hazardous material wellfield licenses at multi-tenant facilities will be required for the owner/operator of the multi-tenant facility and for each tenant who stores, handles, uses, or produces regulated substances there.
- (b) License applications: An application for a hazardous material wellfield license shall be made on County forms and be accompanied by the following:
 - (1) A list of the chemicals containing regulated substances that are stored, handled, used, or produced in the activity being permitted, the regulated substances in the chemical, the container sizes, and the number of containers;
 - (2) A detailed description of the activities that involve the storage, handling, use, or production of the regulated substances, indicating the unit quantities in which the substances are contained or manipulated; and
 - (3) A description of the secondary containment that has been constructed and the emergency collection devices and containers that will be maintained at the facility.
- (c) License fees: Any facility that stores, handles, uses, or produces regulated substances is required to be licensed under this article, and shall be assessed a fee based on Chapter 40 of the Broward County Administrative Code unless it is exempt from licensing under Section 27-382.
- (d) Closure:
 - (1)

When an owner/operator of a hazardous material wellfield facility licensed pursuant to this article permanently discontinues all activities involving regulated substances at the facility, the licensee shall perform a closure by removing and properly disposing of all hazardous materials from the facility. PPRAQD shall be notified within fifteen (15) business days in writing after the completion of the closure. The licensee shall provide access to the facility and copies of disposal manifests for a PPRAQD inspector to confirm that all hazardous materials and regulated substances have been properly disposed.

- (2) When an owner/operator of licensed facility vacates the property, the licensee shall perform a closure by removing and properly disposing of all hazardous materials from the facility. PPRAQD shall be notified in writing within fifteen (15) business days after the business moving that the facility has been vacated. The licensee shall provide access and copies of disposal manifests for a PPRAQD inspector to confirm that all hazardous materials and regulated substances have been properly disposed.

(Ord. No. 2013-23, § 1, 6-11-13)

APPENDIX A LIST OF REGULATED SUBSTANCES

Acephate **

Acifluorfen, sodium **

Acrylamide **

Acrylonitrile **

Alachlor *

Aldrin **

Aniline **

Antimony *

Aramite **

Arochlor mixture *

Arsenic *

Atrazine *

Azobenzene **

Barium *

Benzene *

Benzidine **

Benzo(a)anthracene **

Benzo(a)pyrene *

Benzo(b)fluoranthene **

Benzo(k)fluoranthene **

Benzotrichloride **

Benzyl chloride **

Beryllium *

Beta radiation *

BHC, alpha **

BHC, beta **

BHC, gamma *

BHC, technical **

Bis(2-chloroethyl) ether **

Bis(2-chloroisopropyl) ether **

Bis(2-ethylhexyl) adipate *

Bis(2-ethylhexyl) phthalate *

Blazer **

Bravo **

Bromate **

Bromodichloromethane **

Bromoform **

Cadmium *

Captafol **

Captan **

Carbazole **

Carbofuran *

Carbon tetrachloride *

Chlordane (total) *

Chlorobenzene *

Chlorobenzilate **

Chloroethane **

Chloromethane **

Chloronitrobenzene, p- **

Chlorothalonil **

Chromium (hexavalent) *

Chromium (total) *

Chrysene **

Coliform (fecal) ***

Coliform (total) ***

Crotonaldehyde **

Cyanazine **

Cyanide, free *

Dalapon *

DBCP, 1,2-*

DDD, 4,4- **

DDE, 4,4- **

DDT, 4,4- **

DEHP *

Diallate **

Dibenzo(a,h)anthracene **

Dibromo 3 chloropropane, 1,2- *

Dibromochloromethane **

Dibromoethane, 1,2- *

Dichloroacetic acid **

Dichlorobenzene, 1, 2 *

Dichlorobenzene, 1, 4 *

Dichlorobenzidine, 3, 3' **

Dichlorodiphenyldichloroethane, p,p'- **

Dichlorodiphenyldichloroethylene, p,p'- **

Dichlorodiphenyltrichloroethane, p,p'- **

Dichloroethane, 1, 2 *

Dichloroethene, 1, 1 *

Dichloroethene, cis-1, 2 *

Dichloroethene, trans-1, 2 *

Dichlorophenoxy acetic acid, 2, 4- *

Dichloropropane, 1, 2 *

Dichloropropene, 1, 3 **

Dichlorvos **

Dicofol **

Dieldrin **

Diethylstilbestrol **

Dimethoxybenzidine, 3,3'- **

Dimethylaniline, 2,4- **

Dimethylbenzidine, 3,3'- **

Dinitrotoluene, 2,4 **

Dinitrotoluene, 2,6 **

Dinoseb *

Dioxane, 1,4- **

Dioxins (as total 2,3,7,8-TCDD equivalents) *

Diphenylhydrazine, 1, 2 **

Diquat *

EDB *

EDC *

Endothall *

Endrin *

Epichlorohydrin **

Ethyl chloride **

Ethylene oxide **

Ethylene thiourea **

ETU **

Glyphosate *

Gross alpha radiation *

Heptachlor *

Heptachlor epoxide *

Hexachloro-1,3-butadiene **

Hexachlorobenzene *

Hexachlorocyclohexane, alpha **

Hexachlorocyclohexane, beta **

Hexachlorocyclohexane, gamma *

Hexachlorocyclohexane, technical **

Hexachlorocyclopentadiene *

Hexachlorodibenzo-p-dioxin (mixture) **

Hexachloroethane **

Hexahydro-1,3,5-trinitro-1,3,5-triazine **

Indeno(1,2,3 cd)pyrene **

Isophorone **

Kelthane **

Kepone **

Lead *

Lindane *

Mercury *

Methoxy-5-nitroaniline, 2- **

Methoxychlor *

Methyl chloride **

Methyl chloroform *

Methyl-5-nitroaniline, 2- **

Methylaniline, 2- **

Methylene bis(2-chloroaniline), 4,4- **

Methylene chloride *

Naphthylamine, 2- **

Nickel *

Nickel subsulfide *

Nitrate *

Nitrate+Nitrite *

Nitrite *

Nitroaniline, m- **

Nitroaniline, p- **

Nitroso-di-ethylamine, N- **

Nitroso-dimethylamine, N- **

Nitroso-dibutylamine, N- **

Nitroso-di-n-propylamine, N- **

Nitroso-diphenylamine, N- **

Nitroso-N-methylethylamine, N- **

Nitrosopyrrolidine, N- **

Oxamyl *

PCBs *

PCE *

Pentachloronitrobenzene **

Pentachlorophenol *

Phenylphenol, 2- **

Picloram *

Polychlorinated dibenzo-p-dioxins *

Propylene oxide **

Quinoline **

Radium, 226 and 228 (combined) *

RDX **

Roundup *

Selenium *

Silvex *

Simazine *

Sodium *

Styrene *

TCDD, 2,3,7,8- *

TCE *

Tetrachloroethane, 1,1,1,2 **

Tetrachloroethane, 1,1,2,2 **

Tetrachloroethene *

Thallium *

Toluene-2,4-diamine **

Toluidine, p- **

Toxaphene *

Trichlorobenzene, 1,2,4 *

Trichloroethane, 1,1,1 *

Trichloroethane, 1,1,2 *

Trichloroethene *

Trichlorophenol, 2,4,6 **

Trichlorophenoxy propionic acid, 2- *

Trichloropropane, 1,2,3- **

Trifluralin **

Trimethyl phosphate **

Trinitrotoluene, 2,4,6- **

Vinyl chloride *

* Primary standard listed in Section 62-777, Florida Administrative Code.

** Carcinogen listed in Section 62-777, Florida Administrative Code.

*** Microbiological indicator.

(Ord. No. 2013-23, § 1, 6-11-13)

Secs. 27-385—27-400. - Reserved.

APPENDIX F
Regulatory Files

SITE 1
SHELL FCE 1836

U.S. Postal Service TM

CERTIFIED MAIL TM RECEIPT

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Total P Skip Hutton,

Sent To

Director/Environmental
First Coast Energy, LLP

Street, A
or PO Box

7014 A.C. Skinner Parkway, # 2490

City, State

Jacksonville, FL 32256

7004 TEP9 T000 0THT 6002

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- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement "*Restricted Delivery*".
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PS Form 3800, August 2008 (Reverse) PSN 7530-02-000-9047

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Skip Hutton,
 Director/Environmental
 First Coast Energy, LLP
 7014 A.C. Skinner Parkway, # 2490
 Jacksonville, FL 32256



9590 9402 2173 6193 7996 43

2. Article Number (Transfer from service label)

7009 1410 0001 6831 4001

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Southy Adelle

- Agent
- Addressee

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Southy Adelle

C. Date of Delivery

D. Is delivery address different from item 1? If YES, enter delivery address below

- Yes
- No

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 DEPARTMENT OF PROTECTION
 AM 8:12
 MAIL PROTECTION PROGRAM

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- Certified Mail Restricted Delivery
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- Collect on Delivery Restricted Delivery
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- Insured Mail Restricted Delivery (over \$500)
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- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

USPS TRACKING#
ROCKSVILLE



9590 9402 2173 6193 7996 43

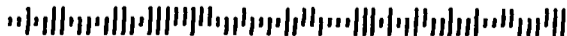


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Jeanine Sanders
Fla Department of Environmental Protection
Bob Martinez Center
2600 Blair Stone Road MS 4540
Tallahassee, Florida 32399-2400





Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

September 26, 2017

CERTIFIED MAIL #7009 1410 0001 6831 4001
RETURN RECEIPT REQUESTED

Mr. Skip Hutton, Director Environmental
First Coast Energy, LLP
7014 A C Skinner Parkway, #2490
Jacksonville, Florida 32256

Subject: Site Rehabilitation Completion Order
Shell-First Coast Energy #1836
1011 S Powerline Road
Deerfield Beach, Broward County
FDEP Facility ID# 069800891
Discharge Date: March 10, 2015 (Non-program)

Dear Mr. Hutton:

The Broward County Environmental Engineering and Permitting Division (Division), on behalf of the Florida Department of Environmental Protection (Department) has reviewed the Site Rehabilitation Completion Report (SRCR) and No Further Action Proposal (NFAP) dated April 13, 2017 (received April 13, 2017), along with supplemental information dated June 13, 2017 (received June 13, 2017), and the Well Abandonment Report dated July 17, 2017 (received July 17, 2017), along with supplemental information dated July 17, 2017 (received July 19, 2017), for the petroleum product discharge referenced above. Documentation submitted with the SRCR/NFAP confirms that criteria set forth in Subsection 62-780.680(1), Florida Administrative Code (F.A.C.), have been met. Please refer to the attached maps of the source property and analytical summary tables, Exhibits A and B respectively and hereby incorporated by reference. The SRCR/NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the facility for petroleum product contamination associated with the discharge referenced above, except as set forth below.

- (1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the facility, the Department may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the SRCR/NFAP or otherwise allowed by Chapter 62-780, F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the SRCR/NFAP you do not have to do anything. This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
 - (1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or
 - (2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to Subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from First Coast Energy LLP, shall mail a copy of the request to First Coast Energy LLP at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from First Coast Energy LLP, shall mail a copy of the petition to First Coast Energy LLP at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S. and Rule 28-106.201, F.A.C., a petition for an administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the facility owner's name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department's clerk (see below).

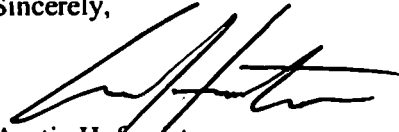
Questions

Any questions regarding the Division's review of the SRCR/NFAP should be directed to John Moore at (954) 519-0307. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing.

The FDEP Facility Number for this facility is 069800891. Please use this identification on all future correspondence with the Department.

Mr. Skip Hutton, Director Environmental
FDEP Facility ID# 069800891
Page 4
September 26, 2017

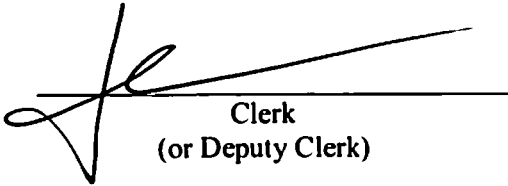
Sincerely,



Austin Hofmeister
Program Administrator
Petroleum Restoration Program

AH/jjm

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt
of which is hereby acknowledged.



Clerk
(or Deputy Clerk)

9/27/17
Date

Exhibits: A: maps of the source property; B: updated analytical summary tables

cc: Paul Wierzbicki, FDEP Southeast District Office – Paul.Wierzbicki@dep.state.fl.us
David Vanlandingham, P.E., Broward County EEPD – dvanlandingham@broward.org
Timothy L. Dehen, P.G., Ecotech Environmental Services, Inc. – tdehen@ecotechfla.com
Irene Donaldson, Ecotech Environmental Services, Inc. – idonaldson@ecotechfla.com
South Florida Water Management District – wells@sfwmd.gov
File


P.E. CERTIFICATION

Site Rehabilitation Completion Report/No Further Action Proposal dated April 13, 2017 (received April 13, 2017), along with supplemental information dated June 13, 2017 (received June 13, 2017) for Shell-First Coast Energy #1836, located at 1011 S Powerline Rd, Deerfield Beach, FDEP Facility ID# 069800891.

I hereby certify that in my professional judgment, the components of this Site Rehabilitation Completion Report/No Further Action Proposal prepared for the March 10, 2015 petroleum product discharge discovered at the above-referenced facility satisfy the requirements set forth in Chapter 62-780, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the site rehabilitation objectives stated in Chapter 62-780, F.A.C., have been met.

I personally completed this review.

This review was conducted by John Moore working under my direct supervision.


Norman Arrazola, P.E.
Professional Engineer # 46538
Broward County
Environmental Engineering and Permitting Division
Date July 25, 2017

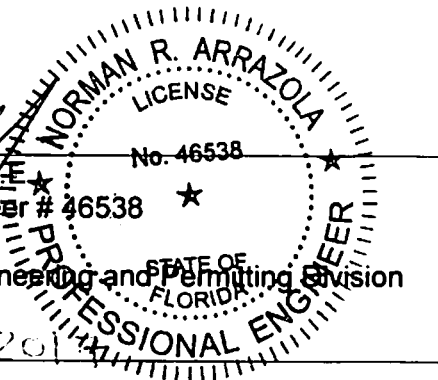


Exhibit A - Figures 069800891 - Page 2 of 2

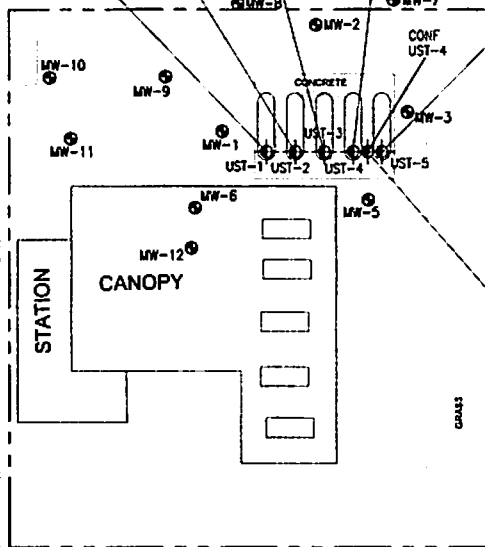


SW 10TH STREET

GRASS

CONCRETE

PARKING LOT



UST-1 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

UST-2 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

UST-3 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

UST-4 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

2017 CUST 4 (2-3)	
04/26/17	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

LEGEND

- ⊕ HISTORICAL SOIL BORING LOCATION
- ⊙ MONITOR WELL LOCATION
- PROPERTY BOUNDARY

SB # / (DEPTH)	BORING ID	ANALYTES
M/D/Y	SAMPLE DATE	
B	0.000	BENZENE CONCENTRATION (mg/kg)
T	0.0	TOLUENE CONCENTRATION (mg/kg)
E	0.0	ETHYLBENZENE CONCENTRATION (mg/kg)
X	0.0	TOTAL XYLENES CONCENTRATION (mg/kg)
MTBE	0.00	MTBE CONCENTRATION (mg/kg)
TPPH	0.00	TPPH CONCENTRATION (mg/kg)
NAPH	0.2	NAPHTHALENE CONCENTRATION (mg/kg)
1-MNAP	0.1	1-METHYLNAPHTHALENE CONCENTRATION (mg/kg)
2-MNAP	0.5	2-METHYLNAPHTHALENE CONCENTRATION (mg/kg)

MTBE = METHYL TERT-BUTYL ETHER
 TPPH = TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
 U = THE COMPOUND WAS NOT FOUND AFTER TESTING
 I = THE VALUE IS BETWEEN LAB'S METHOD DETECTION LIMIT AND LAB'S PRACTICAL QUANTITATIVE LIMIT
 NS = NOT SAMPLED
 mg/kg = milligram per kilogram

NOTE:

SEE LABORATORY ANALYTICAL REPORT AND/OR TABLES FOR DEFINITION OF DATA QUALIFIERS.

--- SCTL --- EXCEEDS SCTL (DASHED WHERE INFERRED)

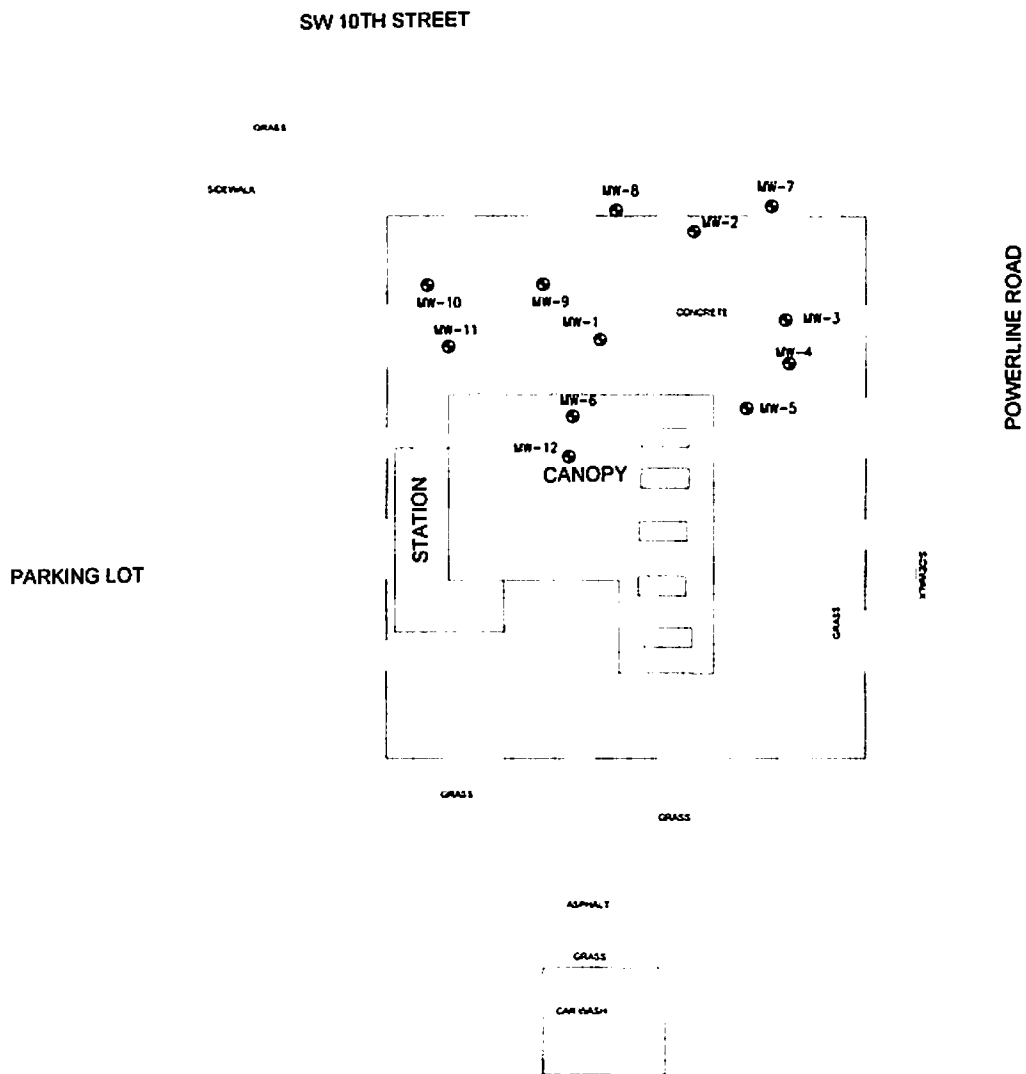
SCTL = CHAPTER 62-777 F.A.C. SOIL CLEANUP TARGET LEVEL

DRAWN BY: JA	HISTORICAL SOIL ANALYTICAL MAP		
CHECKED BY: IMD	FIRST COAST ENERGY 1838 1011 S. POWERLINE ROAD		
REVIEWED BY: TD	DEERFIELD BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891		
NORTH ↑	Ecotech Environmental Services, Inc.		
SCALE IN FEET (APPROXIMATE)	DATE	FIGURE	
0 30	06/08/17	4	



LEGEND

● MONITOR WELL LOCATION



DRAWN BY: DCA	SITE MAP		
CHECKED BY:	FIRST COAST ENERGY 1836 1011 S. POWERLINE ROAD		
REVIEWED BY:	DEERFIELD BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891		
NORTH ↑ N ↓ S	Ecotech Environmental Services, Inc.		
	SCALE IN FEET (APPROXIMATE) 0 30	DATE 3/21/16	FIGURE 1

TABLE 2: SOIL ANALYTICAL SUMMARY - BTEX/MTBE/ TRPH

Facility Name: **FIRST COAST ENERGY STORE #1836, 1011 S. POWERLINE RD., DEERFIELD BEACH, FL**

Sample				OVA	Laboratory Analyses					
Boring No.	Date Collected	Depth to Water (ft)	Sample Interval (fbs)	Net OVA Reading (ppm)	Benzene mg/Kg	Toluene mg/Kg	Ethyl-benzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	TRPH mg/Kg
Direct Exposure Residential SCTLs					1.2	7,500	1,500	130	4,400	340
Direct Exposure Commercial/Industrial SCTLs					1.7	60,000	9,200	700	24,000	460
Leachability/Groundwater Criteria					0.007	0.5	0.6	0.2	0.09	340
UST #1 (2-3)	3/9/2015		2-3	81.9	0.00094 I	0.00046 U	0.00038 U	0.0012 I	0.00054 U	42
UST #2 (2-3)	3/9/2015		2-3	11.6	0.00057 U	0.00054 U	0.00044 U	0.0015 I	0.00063 U	11 U
UST #3 (2-3)	3/9/2015		2-3	65.4	0.0038 I	0.020	0.010	0.11	0.00077 U	74
UST #4 (2-3)	3/9/2015		2-3	195	0.0089	0.130	0.036	0.73	0.00069 U	24
2017 CUST #4 (2-3')	4/26/2017		2-3	0.3	0.0038 U	0.0040 U	0.0042 U	0.0076 U	0.0037 U	NS
UST #5 (2-3)	3/9/2015		2-3	2061	0.00060 U	0.00057 U	0.0021 I	0.03	0.00066 U	240

U = Analyte not detected above the laboratory method detection limit.

J = Estimated value

I = Result was greater than or equal to the laboratory method detection limit but below the reporting limit

SCTL - Soil Cleanup Target Level

TABLE 2: SOIL SAMPLING ANALYTICAL SUMMARY

Facility Name: FCE 1836
1011 S. POWERLINE RD., DEERFIELD BEACH, FL

U = Value between MDL & MQL

D = sample was diluted

U = Compound not detected at level shown

NPH = Net Petroleum Hydrocarbon concentration (total FID - filtered FID)

NA = Not Analyzed

BOLD = exceeds Table II

Sample		Naphthalene (mg/kg)	1-Methylnaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(b)pyrene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Benzo(a,h)perylene (mg/kg)	Benzo(i)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenz(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
Location	Date																		
Table II Leachability Limit		1.2	3.1	8.5	2.1	27	2,500	0.8	8	2.4	32,000	24	77	0.7	1,200	160	6.6	250	860
Table II Direct Exposure Limit		55	200	210	2,400	1,800	21,000		0.1		2,800				3,200	2,400		2,200	2,400
UST #1 (2-3)	3/9/2015	0.0068 I	0.0046 I	0.0031 U	0.0026 U	0.0025 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	0.0039 U	0.0021 U	0.0024 U	0.0067 U	0.0021 U	0.0026 U	0.0039 U	0.0021 U	0.0020 U
UST #2 (2-3)	3/9/2015	0.0073 I	0.0043 I	0.0060 I	0.0027 U	0.0025 U	0.0022 U	0.0098	0.0095	0.016	0.0060 U	0.0058 I	0.013	0.0069 U	0.0091	0.0027 U	0.0040 U	0.0023 I	0.012
UST #3 (2-3)	3/9/2015	0.41	0.29	0.57	0.0028 U	0.0026 U	0.010	0.0065 I	0.0049 I	0.0051	0.013	0.0022 U	0.0039 I	0.0071 U	0.0056 I	0.025	0.0053 I	0.022	0.0021 U
UST #4 (2-3)	3/9/2015	0.032	0.0032 U	0.0042 I	0.0027 U	0.0026 U	0.0023 U	0.0025 U	0.0023 U	0.0025 U	0.0062 U	0.0022 U	0.0025 U	0.0070 U	0.0022 U	0.0026 U	0.0040 U	0.0022 U	0.0021 U
UST #5 (2-3)	3/9/2015	0.030	0.071	0.10	0.0026 U	0.0064 I	0.0022 U	0.0023 U	0.0022 U	0.0024 U	0.0059 U	0.0021 U	0.0023 U	0.0067 U	0.0026 I	0.0026 U	0.0039 U	0.027	0.033

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Shell-FCE #1836
 Location: Deerfield Beach, FL
 Facility/Site ID No.: 06/9800891

Soil Sample No. UST #2 (2-3')
 Sample Date 3/9/2015 0:00
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0095	1.0	0.0095
Benzo(a)anthracene	0.0098	0.1	0.0010
Benzo(b)fluoranthene	0.016	0.1	0.0016
Benzo(k)fluoranthene	0.0058	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.00345	1.0	0.0035
Indeno(1,2,3-cd)pyrene	0.002	0.1	0.0002

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.016**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Shell-FCE #1836
 Location: Deerfield Beach, FL
 Facility/Site ID No.: 06/9800891

Soil Sample No. UST #3 (2-3')
 Sample Date 3/9/2015 0:00
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0049	1.0	0.0049
Benzo(a)anthracene	0.0065	0.1	0.0007
Benzo(b)fluoranthene	0.0051	0.1	0.0005
Benzo(k)fluoranthene	0.0011	0.01	0.0000
Chrysene	0.0039	0.001	0.0000
Dibenz(a,h)anthracene	0.00355	1.0	0.0036
Indeno(1,2,3-cd)pyrene	0.0053	0.1	0.0005

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.010

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Exhibit B - Tables 069800891 - Page 5 of 6

TABLE 4: GROUNDWATER SAMPLE ANALYTICAL SUMMARY - BTEX/MTBE/TRPH

Facility Name: FIRST COAST ENERGY STORE #1836
1011 S. POWERLINE RD., DEERFIELD BEACH, FL

Not Sampled = NS
Analytical Results = ug/L
Below Detection Levels = BDL
BOLDED results indicate above GCTLs
BLANK = No Data

Sample Location	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TRPH
GCTLs		1	40	30	20	20	5,000
NADCs		100	400	300	200	200	50,000
MW-1	7/2/2015	1.9	0.49 U	0.38 U	1.1 U	0.24 U	180 U
	9/22/2015	31	6.5	0.41 I	14	0.24 U	NS
	3/10/2016	6.1	0.5	0.50 U	6.3	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-2	7/2/2015	35	9.6	1.2	24	0.24 U	570
	9/22/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-3	7/2/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	180 U
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-4	7/2/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	180 U
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
MW-5	7/2/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	180 U
MW-6	9/22/2015	10	3.1	0.40 I	7.5	0.24 U	NS
	3/10/2016	17.7	0.5	0.50 U	8.2	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-7	9/22/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-8	9/22/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-9	9/22/2015	1.7	0.49 U	0.38 U	2.4	0.24 U	NS
	3/10/2016	0.10 U	0.5	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.54 I	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-10	11/3/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
MW-11	11/3/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.74 I	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-12	11/3/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS

NS = Not sampled.
GCTL = Groundwater Cleanup Target Level
NADC = Natural Attenuation Default Concentration
U = Indicates that the compound is was analyzed for but not detected at the quantitation limit. The value associated with the qualifier shall be the method detection limit (MDL).
* = Chapter 62-777 FAC does not establish a Natural Attenuation Default Concentration for this specific parameter.

Exhibit B - Tables 069800891 - Page 6 of 6

TABLE 5

GROUNDWATER ANALYTICAL SUMMARY (PAHs)

FIRST COAST ENERGY STORE #1836 1011 S. POWERLINE RD., DEERFIELD BEACH, FL

Monitoring Well	Date	Naphthalene (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a)anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
	FDEP GCTLs	14	28	28	20	210	2,100	0.05	0.2	0.05	210	0.5	4.8	0.005	280	280	0.05	210	210
	FDEP NADCs	140	280	280	200	2,100	21,000	5	20	5	2,100	50	480	0.5	2,800	2,800	5	2,100	2,100
MW-1	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U
MW-2	07/02/2015	1.6	0.81	0.30	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.181	0.034 U	0.051 U	0.036 U
MW-3	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U
MW-4	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U
MW-5	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U

- Notes
- Less than the method detection limit of #
 - µg/L - Micrograms/liter
 - I - Reported value between laboratory method detection limit and the laboratory quantitative limit
 - U - Compound analyzed for but not detected
 - J - The %RPD recovery was a high on the Laboratory control sample(LCS) However, the LCS sample was undetected for dibenzo(a,h)anthracene
 - V - Indicates the analyte was detected in both the sample and the associated blank. The blank value should not be subtracted from the associated sample
 - ND - Not detected (# is method detection limit)
 - Bolded** - The result is above Target Levels
- # -- (Toxic Equivalency Factors for Carcinogenic PAHs) Multiply Analytical Result by TEF



Environmental Protection and Growth Management Department
ENVIRONMENTAL AND CONSUMER PROTECTION DIVISION
One North University Drive, Suite A203, Plantation, Florida 33324
954-519-1260 • Fax 954-765-4804

October 23, 2017

Kevin Kusmirek
FCE#1836
1011 S Powerline Rd
Pompano Beach, FL 33442

RE: In Compliance
FCE#1836, Pompano Beach 33442
DEP Facility ID#: 069800891
Broward– Storage Tanks

Dear Mr. Kusmirek

A storage tanks inspection and file review were conducted at the above noted facility on or about 10/23/2017, by the Broward County Environmental and Consumer Protection Division, on behalf of the Florida Department of Environmental Protection. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the Department's storage tank rules and regulations. A copy of the inspection report is attached for your records.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact *Eduardo Koenig* at 954-740-0231 or ekoenig@broward.org.

Sincerely,


Eduardo Koenig
Senior Natural Resource Specialist

Enclosure

cc:



Facility Information:

Facility ID:	9800891	County:	BROWARD	Inspection Date:	10/23/2017
Facility Type:	A - Retail Station				
Facility Name:	SHELL-FIRST COAST ENERGY #1836			# of Inspected ASTs:	0
	1011 S POWERLINE RD			USTs:	5
	DEERFIELD BEACH, FL 33442			Mineral Acid Tanks:	0
Latitude:	26° 18' 13.7699"				
Longitude:	80° 9' 10.7383"				
LL Method:	DPHO				

Inspection Result:

Result: In Compliance

Signatures:

TKBWR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT (954) 519-1259

Storage Tank Program Office and Phone Number

Eduardo J. Koenig

Shawn Hurd

Inspector Name

Representative Name

Inspector Signature
Principal Inspector
BROWARD COUNTY ENVIRONMENTAL
PROTECTION DEPT

Representative Signature

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 15, 2018. For further information please visit: http://www.dep.state.fl.us/waste/categories/tanks/pages/op_train.htm

Financial Responsibility:

Financial Responsibility: INSURANCE
 Insurance Carrier: CRUM & FORSTER SPECIALTY INS. CO.
 Effective Date: 04/23/2016 Expiration Date: 04/23/2018

Facility ID: 9800891

Findings:

Class A Owner Training Certificates are present.
Class B Maintenance Training Certificates are present.
Class C Operator Training Certificates are present.

Completed System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Annual Operability Test	08/07/2017	Passed	10/23/2017	08/07/2018	Universal Petroleum Services performed re-certification
Annual Inline Leak Detector Test	07/19/2017	Passed	10/23/2017	07/19/2018	Tanknology performed test

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Certificate of Financial Responsibility	04/23/2016	10/23/2017	Policy is valid through 04/23/2018
Other	Current Local Government Permit, If Applicable	04/01/2016	10/23/2017	License is valid through 03/31/2018
Two Years	Electronic Release Detection Equip. Monthly Checks	10/09/2015	09/27/2017	
Two Years	Monthly Maint. Visual Examinations and Results	10/09/2015	09/27/2017	

Areas of Concern

Type: Area of Concern
Rule: 62-761.500(4)(b)
Violation Text: Fillbox covers not marked according to requirements.
Explanation: Fill covers and Stage I covers properly color coded but fading.
Corrective Action: Should re-paint lid covers.

Site Visit Comments

10/23/2017

Reviewed cover page. No changes required.

Coordinates verified with Google Maps.

Facility has 5 regulated DW UGST. 4-10,000gal gasoline and 1-8,000gal diesel

FDEP placard is current.

County license is current.

Certificate of Financial Responsibility (CFR) with the pollution liability policy (declaration page and tank schedule) was available.

Monthly visual inspections are available.

Facility has a Veeder Root TLS 350 electronic monitoring system for the underground tanks.

The system is used for tank gauging (high/low level), monitoring the sumps and tank interstitial.

Visual and audible alarms are functioning.

Liquid status report was run and it showed a functioning normal.

Inspected the STP sumps.

Noticed that one of the regular unleaded tanks did not have a mechanical or electronic line leak detector.

Dry.

Sensors positioned properly.

Test boots pulled back.

Inspected the fill and Stage I.

No liquid present.

All lids properly color coded but faded so should be re-painted.

Inspected the dispensers.

Found a little liquid in dispenser: 9/10, 13/14, 17/18 and 20/21.

Perhaps from recent rain storms.

Hoses and nozzles looked in good condition.

Annual electronic release detection device operability certification was current.

Annual Line leak detector test was current.

Reviewed site diagram.

Report will be sent to kkusmirek@firstcoastenergy.com

NOTE:

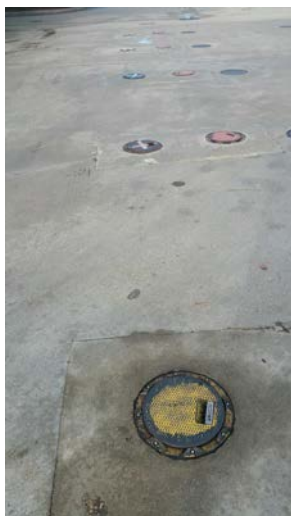
Must make sure that keep a log of the history of alarms and outcome.

Inspection Photos

Facility ID: 9800891

Added Date 10/23/2017

Fading colors on lid covers



Added Date 10/23/2017

Sump lid which should be repaired





Facility Information:

Facility ID:	9800891	County:	BROWARD	Inspection Date:	10/23/2017
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Result: In Compliance

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TKBWNR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT (954) 519-1259

Storage Tank Program Office and Phone Number

Eduardo J. Koenig

Shawn Hurd

Inspector Name

Representative Name

Inspector Signature
Principal Inspector
BROWARD COUNTY ENVIRONMENTAL
PROTECTION DEPT

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NOTE:

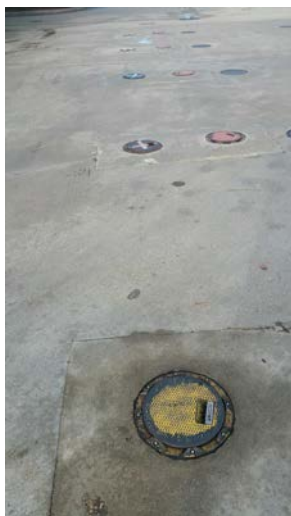
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Inspection Photos

Facility ID: 9800891

Added Date 10/23/2017

Fading colors on lid covers



Added Date 10/23/2017

Sump lid which should be repaired





Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

September 26, 2017

CERTIFIED MAIL #7009 1410 0001 6831 4001
RETURN RECEIPT REQUESTED

Mr. Skip Hutton, Director Environmental
First Coast Energy, LLP
7014 A C Skinner Parkway, #2490
Jacksonville, Florida 32256

Subject: Site Rehabilitation Completion Order
Shell-First Coast Energy #1836
1011 S Powerline Road
Deerfield Beach, Broward County
FDEP Facility ID# 069800891
Discharge Date: March 10, 2015 (Non-program)

Dear Mr. Hutton:

The Broward County Environmental Engineering and Permitting Division (Division), on behalf of the Florida Department of Environmental Protection (Department) has reviewed the Site Rehabilitation Completion Report (SRCR) and No Further Action Proposal (NFAP) dated April 13, 2017 (received April 13, 2017), along with supplemental information dated June 13, 2017 (received June 13, 2017), and the Well Abandonment Report dated July 17, 2017 (received July 17, 2017), along with supplemental information dated July 17, 2017 (received July 19, 2017), for the petroleum product discharge referenced above. Documentation submitted with the SRCR/NFAP confirms that criteria set forth in Subsection 62-780.680(1), Florida Administrative Code (F.A.C.), have been met. Please refer to the attached maps of the source property and analytical summary tables, Exhibits A and B respectively and hereby incorporated by reference. The SRCR/NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the facility for petroleum product contamination associated with the discharge referenced above, except as set forth below.

- (1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the facility, the Department may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the SRCR/NFAP or otherwise allowed by Chapter 62-780, F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the SRCR/NFAP you do not have to do anything. This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
 - (1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or
 - (2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to Subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from First Coast Energy LLP, shall mail a copy of the request to First Coast Energy LLP at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from First Coast Energy LLP, shall mail a copy of the petition to First Coast Energy LLP at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S. and Rule 28-106.201, F.A.C., a petition for an administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the facility owner's name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department's clerk (see below).

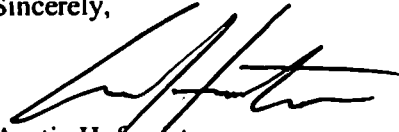
Questions

Any questions regarding the Division's review of the SRCR/NFAP should be directed to John Moore at (954) 519-0307. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing.

The FDEP Facility Number for this facility is 069800891. Please use this identification on all future correspondence with the Department.

Mr. Skip Hutton, Director Environmental
FDEP Facility ID# 069800891
Page 4
September 26, 2017

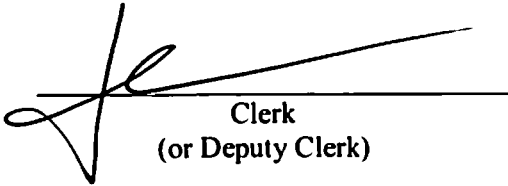
Sincerely,



Austin Hofmeister
Program Administrator
Petroleum Restoration Program

AH/jjm

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt
of which is hereby acknowledged.



Clerk
(or Deputy Clerk)

9/27/17
Date

Exhibits: A: maps of the source property; B: updated analytical summary tables

cc: Paul Wierzbicki, FDEP Southeast District Office – Paul.Wierzbicki@dep.state.fl.us
David Vanlandingham, P.E., Broward County EEPD – dvanlandingham@broward.org
Timothy L. Dehen, P.G., Ecotech Environmental Services, Inc. – tdehen@ecotechfla.com
Irene Donaldson, Ecotech Environmental Services, Inc. – idonaldson@ecotechfla.com
South Florida Water Management District – wells@sfwmd.gov
File


P.E. CERTIFICATION

Site Rehabilitation Completion Report/No Further Action Proposal dated April 13, 2017 (received April 13, 2017), along with supplemental information dated June 13, 2017 (received June 13, 2017) for Shell-First Coast Energy #1836, located at 1011 S Powerline Rd, Deerfield Beach, FDEP Facility ID# 069800891.

I hereby certify that in my professional judgment, the components of this Site Rehabilitation Completion Report/No Further Action Proposal prepared for the March 10, 2015 petroleum product discharge discovered at the above-referenced facility satisfy the requirements set forth in Chapter 62-780, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the site rehabilitation objectives stated in Chapter 62-780, F.A.C., have been met.

I personally completed this review.

This review was conducted by John Moore working under my direct supervision.


Norman Arrazola, P.E.
Professional Engineer # 46538
Broward County
Environmental Engineering and Permitting Division
Date July 25, 2017

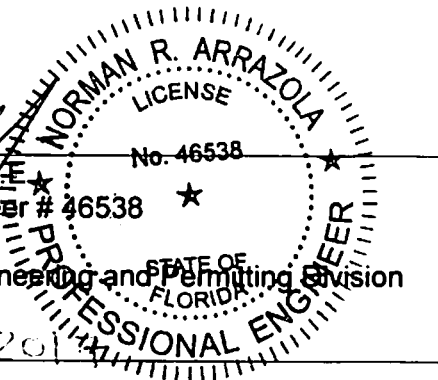


Exhibit A - Figures 069800891 - Page 2 of 2

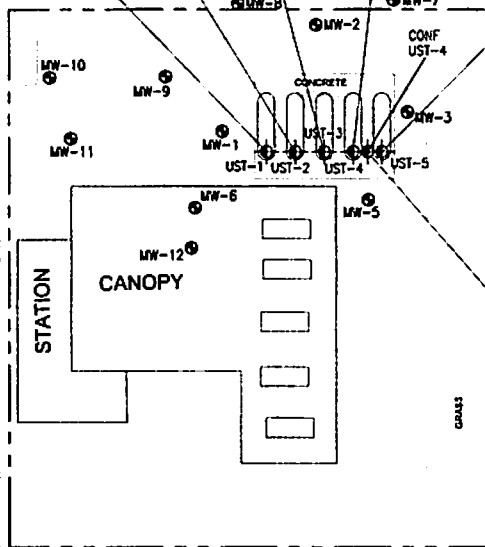


SW 10TH STREET

GRASS

CONCRETE

PARKING LOT



UST-1 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

UST-2 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

UST-3 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

UST-4 (2-3)	
03/09/15	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

2017 CUST 4 (2-3)	
04/26/17	
B	0.000 U
T	0.000 U
E	0.000 U
X	0.000 U
MTBE	0.000 U
TPPH	0.000 U
NAPH	0.000 U
1-MNAP	0.000 U
2-MNAP	0.000 U

LEGEND

- ⊕ HISTORICAL SOIL BORING LOCATION
- ⊙ MONITOR WELL LOCATION
- PROPERTY BOUNDARY

SB # / (DEPTH)	BORING ID	ANALYTES
M/D/Y	SAMPLE DATE	
B	0.000	BENZENE CONCENTRATION (mg/kg)
T	0.0	TOLUENE CONCENTRATION (mg/kg)
E	0.0	ETHYLBENZENE CONCENTRATION (mg/kg)
X	0.0	TOTAL XYLENES CONCENTRATION (mg/kg)
MTBE	0.00	MTBE CONCENTRATION (mg/kg)
TPPH	0.00	TPPH CONCENTRATION (mg/kg)
NAPH	0.2	NAPHTHALENE CONCENTRATION (mg/kg)
1-MNAP	0.1	1-METHYLNAPHTHALENE CONCENTRATION (mg/kg)
2-MNAP	0.5	2-METHYLNAPHTHALENE CONCENTRATION (mg/kg)

MTBE = METHYL TERT-BUTYL ETHER
 TPPH = TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
 U = THE COMPOUND WAS NOT FOUND AFTER TESTING
 I = THE VALUE IS BETWEEN LAB'S METHOD DETECTION LIMIT AND LAB'S PRACTICAL QUANTITATIVE LIMIT
 NS = NOT SAMPLED
 mg/kg = milligram per kilogram

NOTE:

SEE LABORATORY ANALYTICAL REPORT AND/OR TABLES FOR DEFINITION OF DATA QUALIFIERS.

--- SCTL --- EXCEEDS SCTL (DASHED WHERE INFERRED)

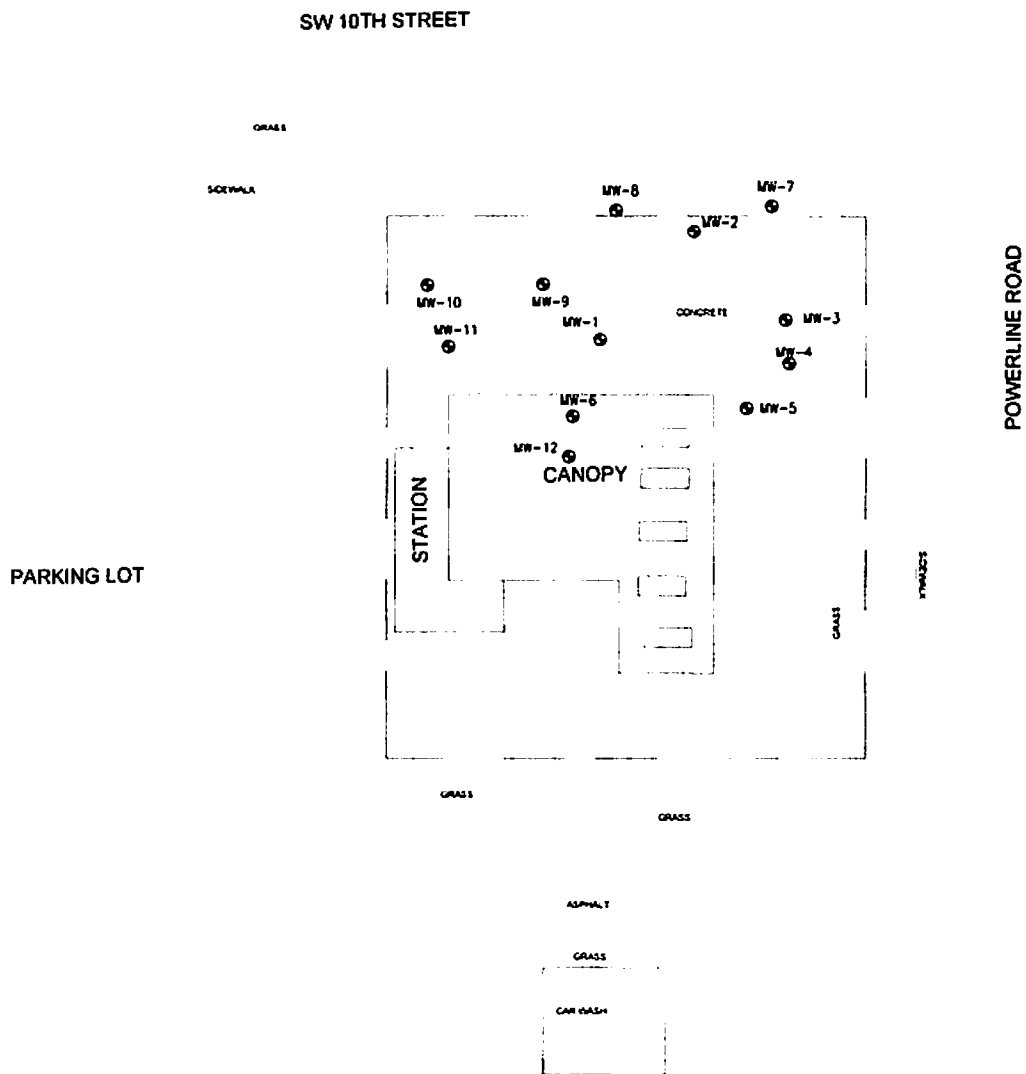
SCTL = CHAPTER 62-777 F.A.C. SOIL CLEANUP TARGET LEVEL

DRAWN BY: JA	HISTORICAL SOIL ANALYTICAL MAP		
CHECKED BY: IMD	FIRST COAST ENERGY 1838 1011 S. POWERLINE ROAD		
REVIEWED BY: TD	DEERFIELD BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891		
NORTH ↑	Ecotech Environmental Services, Inc.		
SCALE IN FEET (APPROXIMATE)	DATE	FIGURE	
0 30	06/08/17	4	



LEGEND

● MONITOR WELL LOCATION



DRAWN BY: DCA	SITE MAP		
CHECKED BY:	FIRST COAST ENERGY 1836 1011 S. POWERLINE ROAD		
REVIEWED BY:	DEERFIELD BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891		
NORTH ↑ N ↓ S	Ecotech Environmental Services, Inc.		
	SCALE IN FEET (APPROXIMATE) 0 30	DATE 3/21/16	FIGURE 1

TABLE 2: SOIL ANALYTICAL SUMMARY - BTEX/MTBE/ TRPH

Facility Name: **FIRST COAST ENERGY STORE #1836, 1011 S. POWERLINE RD., DEERFIELD BEACH, FL**

Sample				OVA	Laboratory Analyses					
Boring No.	Date Collected	Depth to Water (ft)	Sample Interval (fbs)	Net OVA Reading (ppm)	Benzene mg/Kg	Toluene mg/Kg	Ethyl-benzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	TRPH mg/Kg
Direct Exposure Residential SCTLs					1.2	7,500	1,500	130	4,400	340
Direct Exposure Commercial/Industrial SCTLs					1.7	60,000	9,200	700	24,000	460
Leachability/Groundwater Criteria					0.007	0.5	0.6	0.2	0.09	340
UST #1 (2-3)	3/9/2015		2-3	81.9	0.00094 I	0.00046 U	0.00038 U	0.0012 I	0.00054 U	42
UST #2 (2-3)	3/9/2015		2-3	11.6	0.00057 U	0.00054 U	0.00044 U	0.0015 I	0.00063 U	11 U
UST #3 (2-3)	3/9/2015		2-3	65.4	0.0038 I	0.020	0.010	0.11	0.00077 U	74
UST #4 (2-3)	3/9/2015		2-3	195	0.0089	0.130	0.036	0.73	0.00069 U	24
2017 CUST #4 (2-3')	4/26/2017		2-3	0.3	0.0038 U	0.0040 U	0.0042 U	0.0076 U	0.0037 U	NS
UST #5 (2-3)	3/9/2015		2-3	2061	0.00060 U	0.00057 U	0.0021 I	0.03	0.00066 U	240

U = Analyte not detected above the laboratory method detection limit.

J = Estimated value

I = Result was greater than or equal to the laboratory method detection limit but below the reporting limit

SCTL - Soil Cleanup Target Level

TABLE 2: SOIL SAMPLING ANALYTICAL SUMMARY

Facility Name: FCE 1836
1011 S. POWERLINE RD., DEERFIELD BEACH, FL

I/ = Value between MDL & MQL

D = sample was diluted

U = Compound not detected at level shown

NPH = Net Petroleum Hydrocarbon concentration (total FID - filtered FID)

NA = Not Analyzed

BOLD = exceeds Table II

Sample		Naphthalene (mg/kg)	1-Methylnaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenz(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)		
Location	Date																		
Table II Leachability Limit		1.2	3.1	8.5	2.1	27	2,500	0.8	8	2.4	32,000	24	77	0.7	1,200	160	250	850	
Table II Direct Exposure Limit		55	200	210	2,400	1,600	21,000	0.1		2,800			3,200	2,400		2,200	2,400		
UST #1 (2-3)	3/9/2015	0.0068 I	0.0046 I	0.0031 U	0.0026 U	0.0025 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	0.0039 U	0.0021 U	0.0024 U	0.0067 U	0.0021 U	0.0026 U	0.0039 U	0.0021 U	0.0020 U
UST #2 (2-3)	3/9/2015	0.0073 I	0.0043 I	0.0060 I	0.0027 U	0.0025 U	0.0022 U	0.0098	0.0095	0.016	0.0060 U	0.0058 I	0.013	0.0069 U	0.0091	0.0027 U	0.0040 U	0.0023 I	0.012
UST #3 (2-3)	3/9/2015	0.41	0.29	0.57	0.0028 U	0.0026 U	0.010	0.0055 I	0.0049 I	0.0051	0.013	0.0022 U	0.0039 I	0.0071 U	0.0056 I	0.025	0.0053 I	0.022	0.0021 U
UST #4 (2-3)	3/9/2015	0.032	0.0032 U	0.0042 I	0.0027 U	0.0026 U	0.0023 U	0.0025 U	0.0023 U	0.0025 U	0.0062 U	0.0022 U	0.0025 U	0.0070 U	0.0022 U	0.0026 U	0.0040 U	0.0022 U	0.0021 U
UST #5 (2-3)	3/9/2015	0.030	0.071	0.10	0.0026 U	0.0064 I	0.0022 U	0.0023 U	0.0022 U	0.0024 U	0.0059 U	0.0021 U	0.0023 U	0.0067 U	0.0026 I	0.0026 U	0.0039 U	0.027	0.033

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Shell-FCE #1836
 Location: Deerfield Beach, FL
 Facility/Site ID No.: 06/9800891

Soil Sample No. UST #2 (2-3')
 Sample Date 3/9/2015 0:00
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0095	1.0	0.0095
Benzo(a)anthracene	0.0098	0.1	0.0010
Benzo(b)fluoranthene	0.016	0.1	0.0016
Benzo(k)fluoranthene	0.0058	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.00345	1.0	0.0035
Indeno(1,2,3-cd)pyrene	0.002	0.1	0.0002

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.016**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Shell-FCE #1836
 Location: Deerfield Beach, FL
 Facility/Site ID No.: 06/9800891

Soil Sample No. UST #3 (2-3')
 Sample Date 3/9/2015 0:00
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0049	1.0	0.0049
Benzo(a)anthracene	0.0065	0.1	0.0007
Benzo(b)fluoranthene	0.0051	0.1	0.0005
Benzo(k)fluoranthene	0.0011	0.01	0.0000
Chrysene	0.0039	0.001	0.0000
Dibenz(a,h)anthracene	0.00355	1.0	0.0036
Indeno(1,2,3-cd)pyrene	0.0053	0.1	0.0005

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.010

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Exhibit B - Tables 069800891 - Page 5 of 6

TABLE 4: GROUNDWATER SAMPLE ANALYTICAL SUMMARY - BTEX/MTBE/TRPH

Facility Name: FIRST COAST ENERGY STORE #1836
1011 S. POWERLINE RD., DEERFIELD BEACH, FL

Not Sampled = NS
Analytical Results = ug/L
Below Detection Levels = BDL
BOLDED results indicate above GCTLs
BLANK = No Data

Sample Location	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TRPH
GCTLs		1	40	30	20	20	5,000
NADCs		100	400	300	200	200	50,000
MW-1	7/2/2015	1.9	0.49 U	0.38 U	1.1 U	0.24 U	180 U
	9/22/2015	31	6.5	0.41 I	14	0.24 U	NS
	3/10/2016	6.1	0.5	0.50 U	6.3	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-2	7/2/2015	35	9.6	1.2	24	0.24 U	570
	9/22/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-3	7/2/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	180 U
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-4	7/2/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	180 U
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
MW-5	7/2/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	180 U
MW-6	9/22/2015	10	3.1	0.40 I	7.5	0.24 U	NS
	3/10/2016	17.7	0.5	0.50 U	8.2	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-7	9/22/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-8	9/22/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-9	9/22/2015	1.7	0.49 U	0.38 U	2.4	0.24 U	NS
	3/10/2016	0.10 U	0.5	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.54 I	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-10	11/3/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
MW-11	11/3/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.74 I	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS
MW-12	11/3/2015	0.38 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
	3/10/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	9/20/2016	0.10 U	0.50 U	0.50 U	1.5 U	0.50 U	NS
	04/03/2017	0.10 U	0.50 U	0.50 U	1.5 U	NS	NS

NS = Not sampled.
GCTL = Groundwater Cleanup Target Level
NADC = Natural Attenuation Default Concentration
U = Indicates that the compound is was analyzed for but not detected at the quantitation limit. The value associated with the qualifier shall be the method detection limit (MDL).
* = Chapter 62-777 FAC does not establish a Natural Attenuation Default Concentration for this specific parameter.

Exhibit B - Tables 069800891 - Page 6 of 6

TABLE 5

GROUNDWATER ANALYTICAL SUMMARY (PAHs)

FIRST COAST ENERGY STORE #1836 1011 S. POWERLINE RD., DEERFIELD BEACH, FL

Monitoring Well	Date	Naphthalene (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a)anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
	FDEP GCTLs	14	28	28	20	210	2,100	0.05	0.2	0.05	210	0.5	4.8	0.005	280	280	0.05	210	210
	FDEP NADCs	140	280	280	200	2,100	21,000	5	20	5	2,100	50	480	0.5	2,800	2,800	5	2,100	2,100
MW-1	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U
MW-2	07/02/2015	1.6	0.81	0.30	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.181	0.034 U	0.051 U	0.036 U
MW-3	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U
MW-4	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U
MW-5	07/02/2015	0.050 U	0.041 U	0.044 U	0.048 U	0.030 U	0.022 U	0.026 U	0.032 U	0.030 U	0.033 U	0.033 U	0.027 U	0.029 U	0.036 U	0.036 U	0.034 U	0.051 U	0.036 U

Notes

- Less than the method detection limit of #
 - µg/L - Micrograms/liter
 - I - Reported value between laboratory method detection limit and the laboratory quantitative limit
 - U - Compound analyzed for but not detected
 - J - The %RPD recovery was a high on the Laboratory control sample (LCS). However, the LCS sample was undetected for dibenzo(a,h)anthracene
 - V - Indicates the analyte was detected in both the sample and the associated blank. The blank value should not be subtracted from the associated sample
 - ND - Not detected (# is method detection limit)
 - Bolded** - The result is above Target Levels
- # - (Toxic Equivalency Factors for Carcinogenic PAHs) Multiply Analytical Result by TEF

SITE 2
DEERFIELD BEACH WELL FA-2



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
Division of Waste Management
Petroleum Storage Systems
Storage Tank Facility Annual Compliance Site Inspection Report

Facility Information:

Facility ID: 9812649 County: BROWARD Inspection Date: 09/08/2016
Facility Type: H - Local Government
Facility Name: DEERFILED BEACH CITY-WELL FA-2 # of Inspected ASTs: 1
2450 SW 10TH ST USTs: 0
DEERFIELD BEACH, FL 33442 Mineral Acid Tanks: 0
Latitude: 26° 18' 13.508"
Longitude: 80° 8' 20.5885"
LL Method: DPHO

Inspection Result:

Result: In Compliance

Also Performed:

Financial Responsibility:

Financial Responsibility: INSURANCE
Insurance Carrier: COMMERCE & INDUSTRY
Effective Date: 01/16/2016 Expiration Date: 01/16/2017

Findings:

Signatures:

TKBWNR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT

Storage Tank Program Office

(954) 519-1259

Storage Tank Program Office Phone Number

Facility ID: 9812649

Eduardo J. Koenig

Adrian Mocanu

INSPECTOR NAME

REPRESENTATIVE NAME

Eduardo Koenig

Adrian Mocanu

INSPECTOR SIGNATURE

REPRESENTATIVE SIGNATURE

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 15, 2018. For further information please visit: http://www.dep.state.fl.us/waste/categories/tanks/pages/op_train.htm

System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
------	----------------	---------	----------	---------------	---------

Completed Tests

Annual Operability	10/20/2015	Passed	09/08/2016	10/20/2016	Test completed by Discovery Tank Testing
--------------------	------------	--------	------------	------------	--

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Monthly Release Detection Results	09/27/2013	08/12/2016	null
Two Years	Electronic Release Detection Equip. Monthly Checks	09/27/2013	08/12/2016	null
Life Time	Written Release Detection Response Level Info	09/08/2016	09/08/2016	null
Other	Current Local Government Permit, If Applicable	12/01/2015	09/08/2016	License is valid from 12/01/2015-11/30/2017
Two Years	Certificate of Financial Responsibility	01/16/2016	09/08/2016	Insurance is valid from 01/16/2016-01/16/2017

Site Visit Comments

09/08/2016

Reviewed cover page. No changes.

Verified facility coordinates.

Facility has a 1,000gal convault AST.

FDEP placard is current.

County license is current.

Certificate of Financial Responsibility and pollution liability policy is present.

Release Detection Response Level in writing (RDRL) is present.

Monthly visual inspection log is being maintained.

Tank is labeled.

Tank looked in good condition. No spills or leaks visible on or around the tank.

Tank piping is SW steel aboveground not in contact with soil into generator room.

Tank piping has an anti-siphon valve.

Piping appeared in good condition.

Inspected spill bucket.

No liquid present.

Tank has a pneumericator TMS 3000 for release detection.

System is used for tank gauging and for monitoring the tanks interstitial.

Device does not print any reports it is all visual on the device panel.

No alarms during inspection.

Operator pushed the test button. Visual and audible alarms functioning.

Annual operability was current.

The site sketch was reviewed.

Report will be sent to amocanu@deerfield-beach.com

NOTE: The tank also had a Morrison Clock gauge as a visual gauge of the tank level and operator also informed me that before the tank is filled they verify level with a stick.



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
Division of Waste Management
Petroleum Storage Systems
Storage Tank Facility Annual Compliance Site Inspection Report

Facility Information:

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Facility Type: H - Local Government
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LL Method: DPHO

Inspection Result:

Result: In Compliance

Also Performed:

Financial Responsibility:

Financial Responsibility: INSURANCE
Insurance Carrier: COMMERCE & INDUSTRY
Effective Date: 01/16/2016 Expiration Date: 01/16/2017

Findings:

Signatures:

TKBWNR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT

Storage Tank Program Office

(954) 519-1259

Storage Tank Program Office Phone Number

Facility ID: 9812649

Eduardo J. Koenig

Adrian Mocanu

INSPECTOR NAME

REPRESENTATIVE NAME

Eduardo Koenig

Adrian Mocanu

INSPECTOR SIGNATURE

REPRESENTATIVE SIGNATURE

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System Tests

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------	----------------	---------	----------	---------------	---------

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Two Years	Electronic Release Detection Equip. Monthly Checks	09/27/2013	08/12/2016	null
Life Time	Written Release Detection Response Level Info	09/08/2016	09/08/2016	null
Other	Current Local Government Permit, If Applicable	12/01/2015	09/08/2016	License is valid from 12/01/2015-11/30/2017
Two Years	Certificate of Financial Responsibility	01/16/2016	09/08/2016	Insurance is valid from 01/16/2016-01/16/2017

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09/08/2016

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SITE 3
KONICA GRAPHIC



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

May 16, 2001

JEAN HOLBROOK, MGR
KONICA GRAPHIC IMAGING INT'L INC
1072 POWERLINE RD
DEERFIELD BEACH, FL 33442-

The Hazardous Waste Regulation Section has reviewed your application for a hazardous waste DEP/EPA Identification Number. Based on the information received you have been issued the following identification number for the facility located at 1072 POWERLINE RD , DEERFIELD BEACH:

FLR000076695

Your facility status is the following:

Conditionally Exempt SQG

THIS LETTER IS NOT AN APPROVAL TO TRANSPORT HAZARDOUS WASTE OR TO OPERATE A HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY. PLEASE CONTACT THE DEPARTMENT FOR COMPLETE REQUIREMENTS FOR HAZARDOUS WASTE TRANSPORTERS AND TSDs.

Please notify us in writing if there is any change in your operations which would affect your status. For further assistance, please call (850)488-0300.

Sincerely,

Michael X. Redig
Michael X. Redig
Environmental Manager
Hazardous Waste Regulation Section

Site: 184144

"More Protection, Less Process"

Printed on recycled paper.

new 184144

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

RECEIVED
Date Received
(For Official Use Only)
MAY 08 2001
MGR 5/14/01
Hazardous Waste Regulation

Please refer to Section V, Line-by-Line Instructions, for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

Notification of Regulated Waste Activity

EPA United States Environmental Protection Agency

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

<input checked="" type="checkbox"/> A. Initial Notification	<input type="checkbox"/> B. Subsequent Notification (Complete item C)	C. Installation's EPA ID Number FLR000076695
--	--	--

II. Name of Installation (Include company and specific site name)

K o n i c a G r a p h i c I m a g i n g I n t ' l , I n c .

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street
1 0 7 2 P o w e r l i n e R o a d

Street (Continued)

City or Town **State** **Zip Code**
D e e r f i e l d B e a c h F L 3 3 4 4 2 -

County Code **County Name**
0 1 1 B r o w a r d S E N 26 19 35/W 80 09 11

IV. Installation Mailing Address (See instructions)

Street or P.O. Box
S a m e

City or Town **State** **Zip Code**
-

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last) **(First)**
H o l b r o o k J e a n

Job Title **Phone Number (Area Code and Number)**
M a n a g e r 9 5 4 - 4 8 0 - 9 8 0 0

VI. Installation Contact Address (See instructions)

A. Contact Address Location <input checked="" type="checkbox"/> Mailing	B. Street or P.O. Box
--	------------------------------

City or Town **State** **Zip Code**
-

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner
K o n i c a G r a p h i c I m a g i n g I n t ' l , I n c .

Street, P.O. Box, or Route Number
7 1 C h a r l e s S t r e e t

City or Town **State** **Zip Code**
G l e n C o v e N Y 1 1 5 4 2 -

Phone Number (Area Code and Number) 5 1 6 - 6 7 4 - 2 5 0 0	B. Land Type P	C. Owner Type P	D. Change of Owner Indicator Yes <input type="checkbox"/> No <input type="checkbox"/>	Date Changed Month Day Year
---	--------------------------	---------------------------	---	---

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

ID - For Official Use Only

VIII: Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions)

A. Hazardous Waste Activities		C. Used Oil Management Activities
<input type="checkbox"/> 1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (220-2,200 lbs.) <input checked="" type="checkbox"/> c. Less than 100 kg/mo (220 lbs.) 2. Transporter (Indicate Mode in boxes 1-5 below) <input type="checkbox"/> a. For own waste only <input type="checkbox"/> b. For commercial purposes Mode of Transportation <input type="checkbox"/> 1. Air <input type="checkbox"/> 2. Rail <input type="checkbox"/> 3. Highway <input type="checkbox"/> 4. Water <input type="checkbox"/> 5. Other - specify _____	<input type="checkbox"/> 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions. 4. Exempt Boiler and/or Industrial Furnace <input type="checkbox"/> a. Smelting, Melting, and Refining Furnace Exemption <input type="checkbox"/> b. Small Quantity On-Site Burner Exemption <input type="checkbox"/> 5. Underground Injection Control	1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies) <input type="checkbox"/> a. Transporter <input type="checkbox"/> b. Transfer Facility 2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) <input type="checkbox"/> a. Processor <input type="checkbox"/> b. Re-refiner <input type="checkbox"/> 3. Off-Specification Used Oil Burner 4. Used Oil Fuel Marketer <input type="checkbox"/> a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner <input type="checkbox"/> b. Marketer Who First Claims the Used Oil Meets the Specifications
B. Universal Waste Activity <input type="checkbox"/> Large Quantity Handler of Universal Waste		

IX: Description of Hazardous Wastes (Use additional sheets if necessary)

A. Listed Hazardous Wastes: (See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
7	8	9	10	11	12

B. Characteristics of Nonlisted Hazardous Wastes: (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24; See instructions if you need to list more than 4 toxicity characteristic waste codes.)

(List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s))

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic	1	2	3	4
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

C. Other Wastes. (State-regulated or other wastes requiring a handler to have an I.D. number; See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature <i>Ian Blundell</i>	Name and Official Title (Type or print) Ian Blundell VP - Manufacturing	Date Signed 5.3.01
----------------------------------	--	-----------------------

XI. Comments

Additional Contacts: For Konica, Deerfield Beach, FL : Pat Farr (Manager) (954) 480-9800.
For Konica, Glen Cove, NY (Headquarters) : Charles Tozzo (E & S Manager) (516) 674-2706.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section IV of the booklet for addresses.)

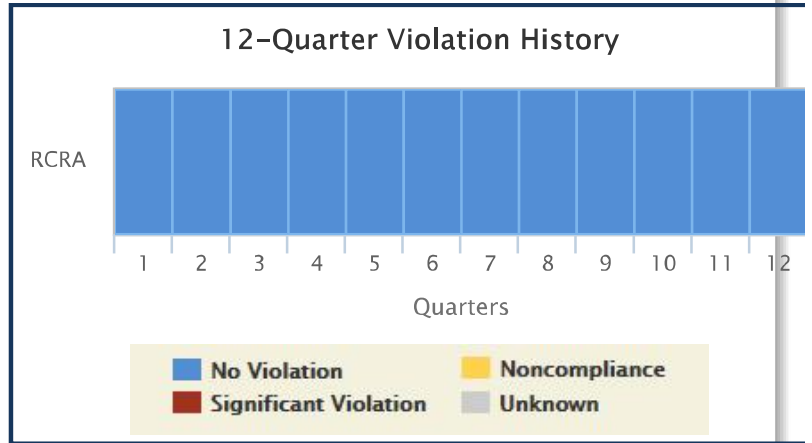


Detailed Facility Report

Facility Summary

KONICA GRAPHIC IMAGING INTL INC
1072 S POWERLINE RD, DEERFIELD BEACH,
FL 33442

FRS (Facility Registry Service) ID: 110012583766
 EPA Region: 04
 Latitude: 26.326389
 Longitude: -80.153056
 Locational Data Source: RCRAINFO
 Industry: No description found
 Indian Country: N



Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs in NC (Non-Compliance) (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	FPA Cases (5 years)	Penalties from FPA Cases (5 years)
RCRA	--	--	No Violation	0	0	--	--	--	--	--

Regulatory Information

Clean Air Act (CAA): No Information
 Clean Water Act (CWA): No Information
 Resource Conservation and Recovery Act (RCRA): Active (H) CESQG (FLR000076695)
 Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
 Greenhouse Gas Emissions (eGGRT): No Information
 Toxic Releases (TRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110012583766					N	26.326389	-80.153056
RCR	RCRA	FLR000076695	CESQG	Active (II)			N	26.326389	-80.153056

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110012583766	KONICA GRAPHIC IMAGING INTL INC	1072 S POWERLINE RD, DEERFIELD BEACH, FL 33442
RCR	RCRA	FLR000076695	KONICA GRAPHIC IMAGING INTL INC	1072 S POWERLINE RD, DEERFIELD BEACH, FL 33442-8119

System	Statute	Identifier	Facility Name	Facility Address
--------	---------	------------	---------------	------------------

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Desc
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
Cocanut Creek Trust Land	Seminole Tribe of Florida	100000266	4.37
Seminole (FL) Trust Land	Seminole Tribe of Florida	100000266	15.62
Hollywood Reservation	Seminole Tribe of Florida	100000266	19.1

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
No data records returned						

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Non-compliance)/HPV (High Priority Violation)	Description	Current As Of	Qtrs in NC (Non-Compliance) (of 12)
RCRA	FLR000076695	No		10/09/2017	0

Three Year Compliance Status by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
RCRA	Facility-Level Status	10/01-12/31/14	01/01-03/31/15	04/01-06/30/15	07/01-09/30/15	10/01-12/31/15	01/01-03/31/16	04/01-06/30/16	07/01-09/30/16	10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records returned						

ICIS (Integrated Compliance Information System) Case History (5 years)

Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
---------------------	----------	-----------	-------------	-----------	-------------------	--------------------------------	-----------------------	-----------------	---------------------	---	------------------

Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Emerged Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
No data records returned											

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAID) (Reach Address Database)	WBD (Watershed Boundary Dataset) Subwatershed Name (RAID) (Reach Address Database)	State Waterbody Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned									

Waterbody Designated Uses

Reach Code	Waterbody Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
No data records returned							

Air Quality

Non-Attainment Area?	Pollutant(s)	Applicable Non-Attainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site ⁱ

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Releases
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ⁱ

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Land Area:	96%	Housholds in Area:	52,713
Center Latitude:	26.326389	Water Area:	4%	Housing Units in Area:	63,092
Center Longitude:	-80.153056	Population Density:	4,287/sq.mi.	Housholds on Public Assistance:	460
Total Persons:	116,292	Percent Minority:	30%	Persons Below Poverty Level:	29,341

Race Breakdown	Persons (%)	Age Breakdown	Persons (%)
White:	95,190 (82%)	Child 5 years and younger:	5,622 (5%)
African-American:	11,545 (10%)	Minors 17 years and younger:	21,440 (18%)
Hispanic-Origin:	18,265 (16%)	Adults 18 years and older:	94,852 (82%)
Asian/Pacific Islander:	3,102 (3%)	Seniors 65 years and older:	27,361 (24%)
American Indian:	152 (0%)		
Other/Multiracial:	6,304 (5%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown	Households (%)
Less than 9th Grade:	2,423 (2.84%)	Less than \$15,000:	6,451 (12.68%)
9th through 12th Grade:	4,720 (5.53%)	\$15,000 - \$25,000:	5,739 (11.28%)
High School Diploma:	23,857 (27.96%)	\$25,000 - \$50,000:	12,192 (23.97%)
Some College/2-yr:	23,972 (28.1%)	\$50,000 - \$75,000:	9,742 (19.15%)
B.S./B.A. or More:	30,345 (35.57%)	Greater than \$75,000:	16,746 (32.92%)

SITE 4
MED CARE



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
Division of Waste Management
Petroleum Storage Systems
Storage Tank Facility Annual Compliance Site Inspection Report

Facility Information:

Facility ID: 9100756 County: BROWARD Inspection Date: 09/07/2016
Facility Type: C - Fuel user/Non-retail
Facility Name: MED-CARE PHARMACY INC # of Inspected ASTs: 1
1052 S POWERLINE RD USTs: 0
DEERFIELD BEACH, FL 33442-8119 Mineral Acid Tanks: 0
Latitude: 26° 18' 13.4179"
Longitude: 80° 9' 6.2033"
LL Method: DPHO

Inspection Result:

Result: In Compliance

Also Performed:

Financial Responsibility:

Financial Responsibility: INSURANCE
Insurance Carrier: TRAVELERS
Effective Date: 02/07/2016 Expiration Date: 02/07/2017

Findings:

Signatures:

TKBWNR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT

Storage Tank Program Office

(954) 519-1259

Storage Tank Program Office Phone Number

Facility ID: 9100756

Clearvens C JeanBaptiste

Jorge Mejia (Jorge@med-care.us)

INSPECTOR NAME

REPRESENTATIVE NAME



INSPECTOR SIGNATURE

REPRESENTATIVE SIGNATURE

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 15, 2018. For further information please visit: http://www.dep.state.fl.us/waste/categories/tanks/pages/op_train.htm

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Certificate of Financial Responsibility	02/07/2016	09/07/2016	From Travelers Insurance, Exp: 02/07/2017
Life Time	Written Release Detection Response Level Info	09/07/2016	09/07/2016	.

Site Visit Comments

09/07/2016

Reviewed cover page.
Reviewed site diagram
Verified Coordinates
County license is current and available
06/01/2016-05/31/2018
FDEP placard is current and available
06/13/2016-06/30/2017
Certificate of Financial Responsibility Insurance is current
2/7/2016-2/7/2017 travelers ins
Monthly visual inspection log is maintained
8/26/2014-9/06/2016

Facility has one regulated double walled AG generator tank 1000g

Facility ID: 9100756

The tank is above ground with no piping in contact with the soil.

The tank is a convault type

The tank is labeled.

The tank has a spill bucket that was dry.

The tank has a fuel level indicator gauge.

The tank has 2 vents in place

The tank and piping are not leaking.

Facility uses stick to measure tank

Report to
Jorge Mejia
Jorge@med-care.us
561_860_4713

Inspection Photos

Added Date 09/07/2016

front building



Added Date 09/07/2016

tank



Facility ID: 9100756
Added Date 09/07/2016

fill port



SITE 5
FARMER & IRWIN

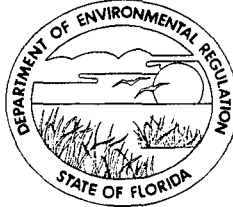
DEPARTMENT OF ENVIRONMENTAL REGULATION

STORAGE TANK REGISTRATION ACCOUNT STATEMENT

RECEIVED
D.E.R.
92 AUG 18 PM 3:55

CAROL M. BROWNER
SECRETARY

DATA ENTERED



STORAGE TANK
REGISTRATION

JUL 29 1992

LAWTON CHILES
GOVERNOR

SEP 1 1992

FARMER & IRWIN CORP
PO BOX 10117
RIVIERA BEACH FL 33419-0117

FARMER & IRWIN

JULY 14, 1992

Invoice

Invoice NO: 068838386-000151

Facility ID: 06/8838386

Facility Type: C/NON-RETAIL BUSINESS

Page: 1 OF 1

CURRENT STORAGE TANK REGISTRATION FEES

Fee Description	Tanks	Amount Due
Renewal charge(s) : @ 25.00	2	\$ 50.00

TOTAL CHARGES: \$ 50.00

BALANCE DUE: \$ 50.00

*Please see attached
these tanks are closed*

Penalty fees are assessed on renewal tank charges not paid by July 31.

Please return this portion and remit payment to: DEPARTMENT OF ENVIRONMENTAL REGULATION
STORAGE TANK REGISTRATION
2600 BLAIR STONE RD TALLAHASSEE, FL 32399-2405

Date: 07/14/92

Facility ID: 06/8838386

Facility Name: FARMER & IRWIN CORP.

Site Location: 3301 SW 11TH ST

Facility Type: C/NON-RETAIL BUSINE

City: DEERFIELD BEACH

ZIP: 33442

Regulated tank count: 2

Latitude/Longitude: 26:19:30 / 80:14:42

Check here for new owner info: _____; submit on reverse.

Submit missing latitude/longitude information or correct facility name, address, or facility type on this form. Provide date and signature. Submit a Storage Tank Registration form, No. 17-761.900(2), to the Tallahassee office above as soon as possible if new tanks have been added to the facility or existing tanks have been closed. Changes in tank data may affect the total amount of fees due.

Allow 6-8 weeks for the processing of revision information.

AMOUNT OF PAYMENT: _____



More Program information is printed on the back.
For further assistance, please call (904) 487-7077.

Protecting Florida and Your Quality of Life

Florida Statutes require owner/operators of all non-residential facilities which have 1) underground storage tanks with capacities greater than 110 gallons, or 2) agricultural or aboveground storage tanks with capacities greater than 550 gallons to register with the Department of Environmental Regulation if the tanks contain or have contained motor fuels or pollutants. Pollutants are defined as ammonia, chlorine, pesticides, petroleum products, or any derivative of these substances. Registration is also required of underground tanks greater than 110 gallons that contain or have contained a hazardous substance (see the federal CERCLA list), and of aboveground tanks greater than 110 gallons that contain or have contained a mineral acid (hydrobromic, hydrochloric, hydrofluoric, sulfuric, phosphoric).

Regulated storage tanks are assessed a fee of \$50 for the initial tank registration. Underground tanks are assessed renewal fees in the amount of \$25. Aboveground tanks registered under a bulk product facility registration are assessed renewal fees per the following: \$25 for each tank with a storage capacity up to 250,000 gallons; \$1 per every 10,000 gallons of capacity for tanks greater than 250,000 gallons in size, not to exceed \$1000 per tank. The maximum charge for all aboveground tanks at these sites is \$5000. Aboveground tanks at all other sites are assessed renewal fees in the amount of \$25. Fees for tanks containing mineral acids will be implemented later in the 92-93 year.

New tanks should be registered at the time of installation. Registration fees are assessed on a tank each year until such time that the tank is properly closed or removed from the site. Registration fees are due and payable by July 1 of each year. "Any payment over 30 days past due shall be deemed delinquent, and the registrant shall be required to pay an additional \$20 late fee for each tank with respect to which payment is delinquent" (Ch. 376.303, F.S.). After the fees are received by the Department, a registration placard is issued to the storage tank owner, to be displayed at the facility. Monies collected by the registration program are deposited to the Inland Protection Trust Fund or to the Water Quality Assurance Trust Fund and are used for the cleanup of contamination caused by spills or leaking storage tank systems.

NEW OWNER INFORMATION:

Owner Name: _____

Mailing Address: _____

City: _____ State _____ ZIP: _____

Contact Person: _____ Phone: (____) _____

SIGNATURE: _____ Date: _____



Farmer & Irwin Corporation Mechanical Contractors

Plumbing • Air Conditioning • Fire Sprinkler

3300 Avenue K • Riviera Beach, Florida 33404

P.O. Box 10117 • Riviera Beach, Florida 33419-1117

(407) 842-5316

FAX (407) 842-5999

July 31, 1992

Mr. Alfred Reid, Engineer II
OFFICE OF NATURAL RESOURCE PROTECTION
2995 No. Dixie Highway
Oakland Park, FL 33334

Gentlemen:

Referring to your letter, as attached, for Farmer & Irwin Corp. to take complying action for Tank Removal at I.D.#1213021, License Number STCLO-2183, located at 3301 S.W. 11th Street, Deerfield Beach, FL 33441.

You will find attached Farmer & Irwin Closure License for removal of underground steel storage tanks.

Hopefully tank removal will be accomodated by 8/15/92.

Your office will be notified when tanks have been removed.

Yours very truly,

FARMER & IRWIN CORPORATION



R. R. Irwin,
Chairman/Secretary

RRI/slb

Enc:

cc: Bob Farmer
Lydia Ilomaki
Mike Higgins

DEPARTMENT OF ENVIRONMENTAL REGULATION
STATIONARY TANK INVENTORY SYSTEM
FACILITY/OWNER/TANK INFORMATION REPORT

CNTY/FAC # FACILITY DATA

06/8838386 FARMER & IRWIN CORP.
3301 SW 11TH ST
DEERFIELD BEACH FL 33442-8146
(305)421-6465
OPER: FARMER & IRWIN

OWNER DATA

FARMER & IRWIN CORP
PO BOX 10117
RIVIERA BEACH FL 33419-0117
(407)842-5316
CONTACT: LARRY WRYE

FACILITY STATUS: OPEN
LAT/LONG: 26:19:30 / 80:14:42
FACILITY TYPE: C

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	--- TANK NUMBERS --- REP'D BY	REPLACES
1	3000	09/73	B	U	AC	B	B	FB	7/7/92		
2	1000	09/73	D	U	AC	B	B	FB	7/7/92	Will not replace system closed	

50/8838309 FARMER & IRWIN CORP.
3300 AVE "K"
RIVIERA BCH FL 33404
(305)842-5316
OPER: FARMER & IRWIN CORP.

FARMER & IRWIN CORP
PO BOX 10117
RIVIERA BEACH FL 33419-0117
(407)842-5316
CONTACT: LARRY WRYE

FACILITY STATUS: OPEN
LAT/LONG: 26:47:22 / 80:04:11
FACILITY TYPE: C

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	CONTAMINATION REPORTED --- TANK NUMBERS --- REP'D BY	REPLACES
1	500	03/74	B	U	AD	B	BC	U			
2	500	XX/XX	D	U	D	Y	Y	B	03/90	5	
3	2000	03/74	B	U	AD	B	BC	U			
4	1000	03/74	B	U	AD	B	BC	U			
5	1000	03/90	D	A	K	A	I	U			2

SITE 6
QUIET WATERS



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

Sent via email to: gremillet@broward.org

Date: March 26, 2018

GARY REMILLET
950 NW 38TH STREET
OAKLAND PARK FL 33309

RE: 2018 - Pre-Authorization for Disaster Debris Management Sites (DDMS)

Dear GARY REMILLET

This is to notify you that on March 26, 2018, the Department of Environmental Protection (the Department) received your request for pre-authorization of a disaster debris management site(s) (DDMS) for 2018. Disaster debris includes hurricane/storm-generated debris and all other types of disaster debris.

The Department has evaluated your request for a DDMS at the following location(s):

Site Name: BRIAN PICCOLO PARK DEBRIS STAGING AREA-98079

Site Address: 9501 SHERIDAN STREET Hollywood, FL, 33024

Waste Planned for Management: Yard Trash

On-Site Contact: Gary Remillet

(954) 357-8193, gremillet@broward.org

DEP/Local Program Contact: Amede Dimonnay, (954)519-1443, adimonnay@broward.org

Site Name: PLANTATION HERITAGE PARK DEBRIS STAGING AREA-98108

Site Address: 1100 S. FIG TREE LANE Plantation, FL, 33317

Waste Planned for Management: Construction & Demolition Debris

On-Site Contact: Gary Remillet

(954) 357-8193, gremillet@broward.org

DEP/Local Program Contact: Amede Dimonnay, (954)519-1443, adimonnay@broward.org

Site Name: CB SMITH PARK DEBRIS STAGING AREA-98099

Site Address: 900 FLAMINGO ROAD Pembroke Pines, FL, 33028

Waste Planned for Management: Yard Trash

On-Site Contact: Gary Remillet

(954) 357-8193, gremillet@broward.org

DEP/Local Program Contact: Amede Dimonnay, (954)519-1443, adimonnay@broward.org

Site Name: QUIET WATERS PARK DEBRIS STAGING AREA-98074

Site Address: 401 SOUTH POWERLINE ROAD Deerfield Beach, FL, 33442

Waste Planned for Management: Yard Trash

On-Site Contact: Gary Remillet

(954) 357-8193, gremillet@broward.org

DEP/Local Program Contact: Amede Dimonnay, (954)519-1443, adimonnay@broward.org

Site Name: TRADEWINDS PARK DEBRIS STAGING AREA-98066

Site Address: 3600 W. SAMPLE ROAD Coconut Creek, FL, 33066

Waste Planned for Management: Yard Trash

On-Site Contact: Gary Remillet

(954) 357-8193, gremillet@broward.org

DEP/Local Program Contact: Amede Dimonnay, (954)519-1443, adimonnay@broward.org

Site Name: MARKHAM PARK DEBRIS STAGING AREA-98077

Site Address: 16001 W. STRD 84 Ft. Lauderdale, FL, 33323

Waste Planned for Management: Yard Trash

On-Site Contact: Gary Remillet

(954) 357-8193, gremillet@broward.org

DEP/Local Program Contact: Amede Dimonnay, (954)519-1443, adimonnay@broward.org

Unless you receive a subsequent notification from the Department concerning the status of these sites, you may consider them pre-authorized as disaster debris management sites.

In the event of a major storm event or other disaster which results in the Department issuing an Emergency Final Order (the Order) for your county, you may begin using a temporary DDMS as necessary, while also requesting issuance of a field authorization from the Department. Once activated, a DDMS is subject to the following conditions, in addition to the requirements of the Order and Florida Statute 403.7071:

- 1) **The Department must be notified when the site is opened and begins accepting debris, and when the site is closed and all debris has been removed;**
- 2) Standing water must not be allowed to accumulate in or within 50 feet of areas used to store or process disaster debris;
- 3) Access must be controlled to prevent unauthorized dumping and scavenging;
- 4) A DDMS must have spotters to correctly identify and segregate waste types for appropriate management;
- 5) Once the site is open, a spotter must be located in the area where the waste is being deposited in order to spot and remove prohibited waste items;
- 6) A DDMS is limited to managing the waste identified above for each site; any putrescible waste received at the DDMS must be removed within 48 hours, and all other types of prohibited waste should be managed in accordance with the guidance document (see link below);
- 7) Unless otherwise approved by the Department in response to a written request from you, the DDMS must cease operation and all disaster debris must be removed from the sites on or before the expiration date of an Order that has been executed by the Department, unless it is modified or extended by further authorization.

Failure to comply with the conditions of the field authorization, or failure to adequately close a site by the required closure date, may result in enforcement action by the Department.

The Department has also prepared a guidance document on the establishment, operation, and closure of a DDMS for disaster debris. This guidance document includes recommended practices, which you are expected to follow as much as practicable, as well as additional requirements from the Order. A copy of this guidance document is available on the DEP website

https://floridadep.gov/sites/default/files/DDMS_Guidance_10-04-2016.pdf

SITE 7
DEVCON



Detailed Facility Report

Facility Summary

DEVCON

3165 SW 10TH ST, DEERFIELD BEACH, FL

33442 ⓘ

FRS (Facility Registry Service) ID: 110035607126

EPA Region: 04

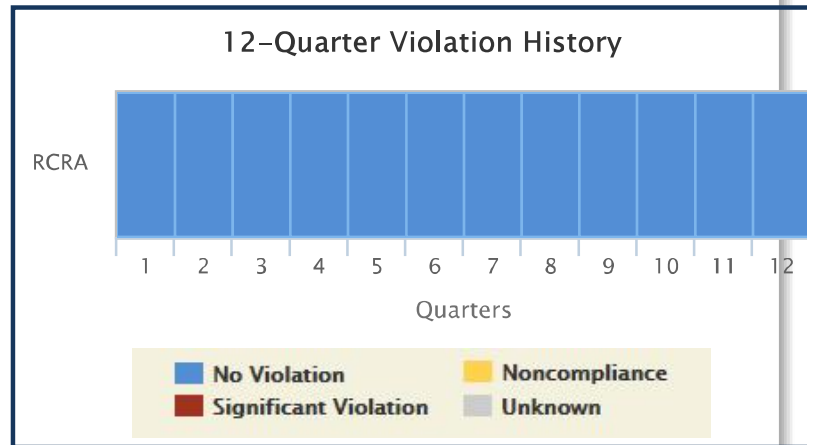
Latitude: 26.30435

Longitude: -80.14884

Locational Data Source: FRS

Industry: No description found

Indian Country: N



Enforcement and Compliance Summary ⚠️

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs in NC (Non-Compliance) (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
RCRA	-	-	No Violation	0	0	--	-	-	-	-

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act

(RCRA): Active (H) CESQG (FLTMP9103109)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110035607126					N	26.30435	-80.14884
RCR	RCRA	FLTMP9103109	CESQG	Active (H)			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110035607126	DEVCON	3165 SW 10TH ST, DEERFIELD BEACH, FL 33442
RCR	RCRA	FLTMP9103109	DEVCON	3165 SW 10TH ST, DEERFIELD BEACH, FL 33442-5946

System	Statute	Identifier	Facility Name	Facility Address
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Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Desc
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
Hollywood Reservation	Seminole Tribe of Florida	100000266	17.66
Coconut Creek Trust Land	Seminole Tribe of Florida	100000266	3.6
Seminole (FL) Trust Land	Seminole Tribe of Florida	100000266	14.19

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
No data records returned						

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Non-compliance)/IPV (High Priority Violation)	Description	Current As Of	Qtrs in NC (Non-Compliance) (of 12)
RCRA	FLTMP9103109	No		10/09/2017	0

Three Year Compliance Status by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
RCRA (Source ID: FLTMP9103109)		10/01-12/31/14	01/01-03/31/15	04/01-06/30/15	07/01-09/30/15	10/01-12/31/15	01/01-03/31/16	04/01-06/30/16	07/01-09/30/16	10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17
RCRA	Facility-Level Status												

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records returned						

ICIS (Integrated Compliance Information System) Case History (5 years)

Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
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Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
No data records returned											

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD) (Reach Address Database)	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD) (Reach Address Database)	State Waterbody Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned									

Waterbody Designated Uses

Reach Code	Waterbody Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
No data records returned							

Air Quality

Non-Attainment Area?	Pollutant(s)	Applicable Non-Attainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site ⁱ

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Releases
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ⁱ

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Land Area:	95%	Households in Area:	49,219
Center Latitude:	26.304276	Water Area:	5%	Housing Units in Area:	59,722
Center Longitude:	-80.147608	Population Density:	4,273/sq.mi.	Households on Public Assistance:	620
Total Persons:	114,727	Percent Minority:	43%	Persons Below Poverty Level:	37,091

Race Breakdown	Persons (%)	Age Breakdown	Persons (%)
White:	79,881 (70%)	Child 5 years and younger:	6,575 (6%)
African-American:	23,608 (21%)	Minors 17 years and younger:	22,843 (20%)
Hispanic-Origin:	19,708 (17%)	Adults 18 years and older:	91,883 (80%)
Asian/Pacific Islander:	2,707 (2%)	Seniors 65 years and older:	23,088 (20%)
American Indian:	223 (0%)		
Other/Multiracial:	8,309 (7%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown	Households (%)
Less than 9th Grade:	4,221 (5.19%)	Less than \$15,000:	6,686 (14.26%)
9th through 12th Grade:	6,935 (8.52%)	\$15,000 - \$25,000:	6,080 (12.97%)
High School Diploma:	25,912 (31.85%)	\$25,000 - \$50,000:	12,217 (26.06%)
Some College/2-yr:	21,742 (26.72%)	\$50,000 - \$75,000:	9,045 (19.29%)
B.S./B.A. or More:	22,553 (27.72%)	Greater than \$75,000:	12,856 (27.42%)

SITE 8
RYAN INC



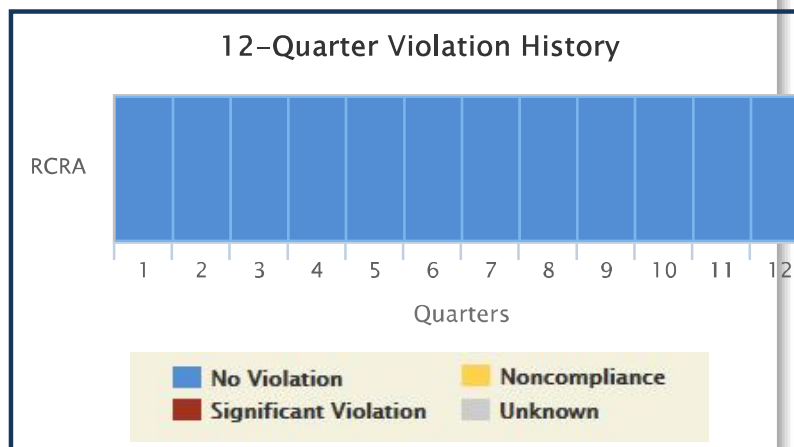
Detailed Facility Report

Facility Summary

RYAN INC EASTERN SHOP

1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442

FRS (Facility Registry Service) ID: 110005273818
 EPA Region: 04
 Latitude: 26.30221
 Longitude: -80.1444
 Locational Data Source: FRS
 Industry: No description found
 Indian Country: N



Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs in NC (Non-Compliance) (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
RCRA	-	-	No Violation	0	0	--	-	-	-	-

Regulatory Information

Clean Air Act (CAA): No Information
 Clean Water Act (CWA): No Information
 Resource Conservation and Recovery Act (RCRA): Inactive () Other (FLD982139628)
 Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
 Greenhouse Gas Emissions (eGGRT): No Information
 Toxic Releases (TRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110005273818					N	26.30221	-80.1444
RCR	RCRA	FLD982139628	Other	Inactive ()			N	26.297959	-80.145659

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110005273818	RYAN INC EASTERN SHOP	1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442
RCR	RCRA	FLD982139628	RYAN INC EASTERN SHOP	1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442-8104

System	State	Identifier	Facility Name	Facility Address
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Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Desc
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
Seminole (FL) Trust Land	Seminole Tribe of Florida	100000266	14.11
Hollywood Reservation	Seminole Tribe of Florida	100000266	17.57
Coconut Creek Trust Land	Seminole Tribe of Florida	100000266	3.77

Enforcement and Compliance

Compliance Monitoring History (5 years)

State	Source ID	System	Inspection Type	Lead Agency	Date	Finding
No data records returned						

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

State	Source ID	Current SNC (Significant Non-compliance)/IPV (High Priority Violation)	Description	Current As Of	Qtrs in NC (Non-Compliance) (of 12)
RCRA	FLD982139628	No		10/09/2017	0

Three Year Compliance Status by Quarter

State	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
RCRA (Source ID: FLD982139628)		10/01-12/31/14	01/01-03/31/15	04/01-06/30/15	07/01-09/30/15	10/01-12/31/15	01/01-03/31/16	04/01-06/30/16	07/01-09/30/16	10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17
RCRA	Facility-Level Status												

Informal Enforcement Actions (5 Years)

State	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

State	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records returned						

ICIS (Integrated Compliance Information System) Case History (5 years)

Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
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Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
No data records returned											

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD) (Reach Address Database)	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD) (Reach Address Database)	State Waterbody Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned									

Waterbody Designated Uses

Reach Code	Waterbody Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
No data records returned							

Air Quality

Non-Attainment Area?	Pollutant(s)	Applicable Non-Attainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site ⁱ

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Releases
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ⁱ

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Land Area:	95%	Households in Area:	49,111
Center Latitude:	26.3022	Water Area:	5%	Housing Units in Area:	59,710
Center Longitude:	-80.14518	Population Density:	4,274/sq.mi.	Households on Public Assistance:	648
Total Persons:	114,507	Percent Minority:	44%	Persons Below Poverty Level:	38,625

Race Breakdown	Persons (%)	Age Breakdown	Persons (%)
White:	78,344 (68%)	Child 5 years and younger:	6,567 (6%)
African-American:	24,852 (22%)	Minors 17 years and younger:	22,636 (20%)
Hispanic-Origin:	19,852 (17%)	Adults 18 years and older:	91,871 (80%)
Asian/Pacific Islander:	2,517 (2%)	Seniors 65 years and older:	23,222 (20%)
American Indian:	228 (0%)		
Other/Multiracial:	8,566 (7%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown	Households (%)
Less than 9th Grade:	4,473 (5.48%)	Less than \$15,000:	6,915 (14.72%)
9th through 12th Grade:	7,407 (9.07%)	\$15,000 - \$25,000:	6,261 (13.33%)
High School Diploma:	26,534 (32.49%)	\$25,000 - \$50,000:	12,415 (26.43%)
Some College/2-yr:	21,466 (26.29%)	\$50,000 - \$75,000:	9,099 (19.37%)
B.S./B.A. or More:	21,781 (26.67%)	Greater than \$75,000:	12,289 (26.16%)



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

05-22-90

JERRY STEWART, SAFETY DIR
RYAN INC EASTERN SHOP
786 S MILITARY TR
DEERFIELD BEACH FL 33442

The Hazardous Waste Management Program has reviewed your application for a hazardous waste DER/EPA I.D. Number.

Based on the information received you have been issued the following identification number for the facility at 1071 SW 30TH AVE, DEERFIELD BEACH

Facility ID # FLD982139628
Your facility status is the following:

Small quantity generator.

Florida Administrative code rule 17-30 requires all generators of hazardous waste and all hazardous waste treatment, storage, or disposal facilities to file an annual report of their hazardous waste activities with DER. You must comply with this rule concerning the filing of an annual report by March 1 for the preceding calendar year. Hazardous waste generators and facilities that are not subject to the annual report requirement but maintain an EPA/DER identification number are required to verify their status annually using the annual report form. The forms will be sent to the contact person. Businesses that generate less than 1000 kilograms of hazardous waste per month (small quantity generators) are not subject to these reporting or verification requirements.

If any of the information on the Hazardous Waste Activity form changes, please notify us in writing at the letterhead address. For further assistance, please call 904/488-0300.

Sincerely,

Michael X. Redig
Michael X. Redig
Environmental Supervisor II
Hazardous Waste Management Section

cc: Ann Cole - EPA/Region IV
DER/West Palm Beach
GMS-ID # 5006P02609

5006 P02609

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

United States Environmental Protection Agency
Washington, DC 20460

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

EPA Notification of Hazardous Waste Activity

MED
4/24/90

For Official Use Only

Comments

C																			
C																			
C																			
F																			

Installation's EPA ID Number

Approved

Date Received (yr. mo. day)

B. Roward
OK/SL

I. Name of Installation

X RYAN INCORPORATED EASTERN SHOP

II. Installation Mailing Address

Street or P.O. Box

X 786 SOUTH MILITARY TRAIL

City or Town

State

ZIP Code

X DEERFIELD BEACH FL 33442

III. Location of Installation

Street or Route Number

X 1071 S.W. 30th AVE

City or Town

State

ZIP Code

X DEERFIELD BEACH FL 33442

IV. Installation Contact

Name and Title (last, first, and job title)

Phone Number (area code and number)

X STEWART JERRY (SAFETY DIRECTOR) 305 427 5599

V. Ownership

A. Name of Installation's Legal Owner

B. Type of Ownership (enter code)

X CORPORATION P

VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

B. Used Oil Fuel Activities

- 1a. Generator
- 2. Transporter
- 3. Treater/Storer/Disposer
- 4. Underground Injection
- 5. Market or Burn Hazardous Waste Fuel (enter 'X' and mark appropriate boxes below)
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner
- 1b. Less than 1,000 kg/mo.

- 6. Off-Specification Used Oil Fuel (enter 'X' and mark appropriate boxes below)
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner
- 7. Specification Used Oil Fuel Marketer (or On site Burner) Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

- A. Utility Boiler
- B. Industrial Boiler
- C. Industrial Furnace

VIII. Mode of Transportation (transporters only — enter 'X' in the appropriate box(es))

- A. Air
- B. Rail
- C. Highway
- D. Water
- E. Other (specify)

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- A. First Notification
- B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

X: Description of Hazardous Wastes (continued from front)

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F002	F004				
7	8	9	10	11	12

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. Listed Infectious Wastes. Enter the four-digit number from 40 CFR Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24)

1. Ignitable (D001)
 2. Corrosive (D002)
 3. Reactive (D003)
 4. Toxic (D000)

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title (type or print)	Date Signed
X Jerry M. Stewart	X Jerry M. Stewart - Safety Dir.	X 4/4/90

RECEIVED
 APR 19 1990
 HAZARDOUS WASTE PERMITTING



Florida Department of
Environmental Protection
Hazardous Waste Inspection Report

FACILITY INFORMATION:

Facility Name: Ryan Inc Eastern Shop

On-Site Inspection Start Date: 11/18/2011

On-Site Inspection End Date: 11/18/2011

ME ID#: 45235

EPA ID#: FLD982139628

Facility Street Address: 1071 SW 30th Ave, Deerfield Beach, Florida 33442-8104

Contact Mailing Address: 786 S Military Trl, Deerfield Beach, Florida 33442-3025

County Name: Broward

Contact Phone: (305) 427-5599

NOTIFIED AS:

SQG (100-1000 kg/month)

INSPECTION TYPE:

Site Visit Inspection for Closed facility

INSPECTION PARTICIPANTS:

Principal Inspector: Magdalena Gierczak, Inspector

Other Participants: None

LATITUDE / LONGITUDE: Lat 26° 19' 2.0" / Long 80° 6' 27.0"

SIC CODE:

TYPE OF OWNERSHIP: Private

Introduction:

Facility is closed. Property is vacant.

Summary of Potential Violations and Areas of Concern:

Potential Violations

No Violations

Areas of Concern

No Areas of Concern

Conclusion:

Facility is closed. Property is vacant.

Inspection Date: 11/18/2011

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737, & 62-740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C. The above noted potential items of non-compliance were identified by the inspector(s).

This is not a formal enforcement action and may not be a complete listing of all items of non-compliance discovered during the inspection.

Magdalena Gierczak

PRINCIPAL INSPECTOR NAME

Inspector

PRINCIPAL INSPECTOR TITLE



11/18/2011

PRINCIPAL INSPECTOR SIGNATURE

DATE

None

REPRESENTATIVE NAME

NO SIGNATURE

REPRESENTATIVE SIGNATURE

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

SITE 9
UNITED WHOLESALE



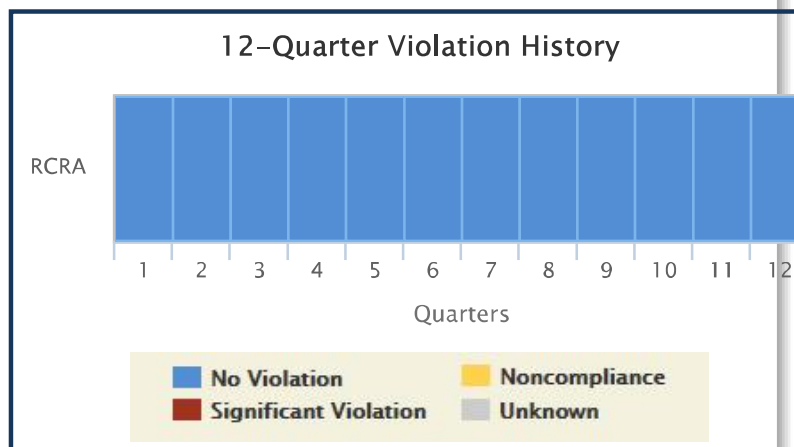
Detailed Facility Report

Facility Summary

RYAN INC EASTERN SHOP

1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442

FRS (Facility Registry Service) ID: 110005273818
 EPA Region: 04
 Latitude: 26.30221
 Longitude: -80.1444
 Locational Data Source: FRS
 Industry: No description found
 Indian Country: N



Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs in NC (Non-Compliance) (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
RCRA	-	-	No Violation	0	0	--	-	-	-	-

Regulatory Information

Clean Air Act (CAA): No Information
 Clean Water Act (CWA): No Information
 Resource Conservation and Recovery Act (RCRA): Inactive () Other (FLD982139628)
 Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
 Greenhouse Gas Emissions (eGGRT): No Information
 Toxic Releases (TRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110005273818					N	26.30221	-80.1444
RCR	RCRA	FLD982139628	Other	Inactive ()			N	26.297959	-80.145659

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110005273818	RYAN INC EASTERN SHOP	1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442
RCR	RCRA	FLD982139628	RYAN INC EASTERN SHOP	1071 SW 30TH AVE, DEERFIELD BEACH, FL 33442-8104

System	State	Identifier	Facility Name	Facility Address
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Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Desc
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
Seminole (FL) Trust Land	Seminole Tribe of Florida	100000266	14.11
Hollywood Reservation	Seminole Tribe of Florida	100000266	17.57
Coconut Creek Trust Land	Seminole Tribe of Florida	100000266	3.77

Enforcement and Compliance

Compliance Monitoring History (5 years)

State	Source ID	System	Inspection Type	Lead Agency	Date	Finding
No data records returned						

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

State	Source ID	Current SNC (Significant Non-compliance)/IPV (High Priority Violation)	Description	Current As Of	Qtrs in NC (Non-Compliance) (of 12)
RCRA	FLD982139628	No		10/09/2017	0

Three Year Compliance Status by Quarter

State	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
RCRA (Source ID: FLD982139628)		10/01-12/31/14	01/01-03/31/15	04/01-06/30/15	07/01-09/30/15	10/01-12/31/15	01/01-03/31/16	04/01-06/30/16	07/01-09/30/16	10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17
RCRA	Facility-Level Status												

Informal Enforcement Actions (5 Years)

State	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

State	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records returned						

ICIS (Integrated Compliance Information System) Case History (5 years)

Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
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Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
No data records returned											

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD) (Reach Address Database)	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD) (Reach Address Database)	State Waterbody Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned									

Waterbody Designated Uses

Reach Code	Waterbody Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
No data records returned							

Air Quality

Non-Attainment Area?	Pollutant(s)	Applicable Non-Attainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site ⁱ

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Releases
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ⁱ

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Land Area:	95%	Households in Area:	49,111
Center Latitude:	26.3022	Water Area:	5%	Housing Units in Area:	59,710
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African-American:	24,852 (22%)	Minors 17 years and younger:	22,636 (20%)
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American Indian:	228 (0%)		
Other/Multiracial:	8,566 (7%)		

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High School Diploma:	26,534 (32.49%)	\$25,000 - \$50,000:	12,415 (26.43%)
Some College/2-yr:	21,466 (26.29%)	\$50,000 - \$75,000:	9,099 (19.37%)
B.S./B.A. or More:	21,781 (26.67%)	Greater than \$75,000:	12,289 (26.16%)



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

05-22-90

JERRY STEWART, SAFETY DIR
RYAN INC EASTERN SHOP
786 S MILITARY TR
DEERFIELD BEACH FL 33442

The Hazardous Waste Management Program has reviewed your application for a hazardous waste DER/EPA I.D. Number.

Based on the information received you have been issued the following identification number for the facility at 1071 SW 30TH AVE, DEERFIELD BEACH

Facility ID # FLD982139628
Your facility status is the following:

Small quantity generator.

Florida Administrative code rule 17-30 requires all generators of hazardous waste and all hazardous waste treatment, storage, or disposal facilities to file an annual report of their hazardous waste activities with DER. You must comply with this rule concerning the filing of an annual report by March 1 for the preceding calendar year. Hazardous waste generators and facilities that are not subject to the annual report requirement but maintain an EPA/DER identification number are required to verify their status annually using the annual report form. The forms will be sent to the contact person. Businesses that generate less than 1000 kilograms of hazardous waste per month (small quantity generators) are not subject to these reporting or verification requirements.

If any of the information on the Hazardous Waste Activity form changes, please notify us in writing at the letterhead address. For further assistance, please call 904/488-0300.

Sincerely,

Michael X. Redig
Michael X. Redig
Environmental Supervisor II
Hazardous Waste Management Section

cc: Ann Cole - EPA/Region IV
DER/West Palm Beach
GMS-ID # 5006P02609

5006 PD2609

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

United States Environmental Protection Agency
Washington, DC 20460



Notification of Hazardous Waste Activity

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

MEP
4/24/90

For Official Use Only

Comments

C														
C														

Installation's EPA ID Number					Approved	Date Received (yr. mo. day)		B. Howard OK/SLC
C	F	F	L	D	9	8	2	
					T/A		C	

I. Name of Installation

X RYAN INCORPORATED EASTERN SHOP

II. Installation Mailing Address

Street or P.O. Box

X 786 SOUTH MILITARY TRAIL
City or Town: DEERFIELD BEACH State: FL ZIP Code: 33442

III. Location of Installation

Street or Route Number

X 1071 S.W. 30th AVE
City or Town: DEERFIELD BEACH State: FL ZIP Code: 33442

IV. Installation Contact

Name and Title (last, first, and job title)

Phone Number (area code and number)

X STEWART JERRY (SAFETY DIRECTOR) 305 427 5599

V. Ownership

A. Name of Installation's Legal Owner

B. Type of Ownership (enter code)

X CORPORATION P

VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

B. Used Oil Fuel Activities

- 1a. Generator
- 1b. Less than 1,000 kg/mo.
- 2. Transporter
- 3. Treater/Storer/Disposer
- 4. Underground Injection
- 5. Market or Burn Hazardous Waste Fuel (enter 'X' and mark appropriate boxes below)
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner

- 6. Off-Specification Used Oil Fuel (enter 'X' and mark appropriate boxes below)
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner
- 7. Specification Used Oil Fuel Marketer (or On site Burner) Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

- A. Utility Boiler
- B. Industrial Boiler
- C. Industrial Furnace

VIII. Mode of Transportation (transporters only - enter 'X' in the appropriate box(es))

- A. Air
- B. Rail
- C. Highway
- D. Water
- E. Other (specify)

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- A. First Notification
- B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

X: Description of Hazardous Wastes (continued from front)

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F002	F004				
7	8	9	10	11	12

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. Listed Infectious Wastes. Enter the four-digit number from 40 CFR Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24)

1. Ignitable (D001)

2. Corrosive (D002)

3. Reactive (D003)

4. Toxic (D000)

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title (type or print)	Date Signed
X Jerry M. Stewart	X Jerry M. Stewart - Safety Dir.	X 4/4/90

RECEIVED
APR 19 1990
HAZARDOUS WASTE PERMITTING



**Florida Department of
Environmental Protection
Hazardous Waste Inspection Report**

FACILITY INFORMATION:

Facility Name: Ryan Inc Eastern Shop

On-Site Inspection Start Date: 11/18/2011

On-Site Inspection End Date: 11/18/2011

ME ID#: 45235

EPA ID#: FLD982139628

Facility Street Address: 1071 SW 30th Ave, Deerfield Beach, Florida 33442-8104

Contact Mailing Address: 786 S Military Trl, Deerfield Beach, Florida 33442-3025

County Name: Broward

Contact Phone: (305) 427-5599

NOTIFIED AS:

SQG (100-1000 kg/month)

INSPECTION TYPE:

Site Visit Inspection for Closed facility

INSPECTION PARTICIPANTS:

Principal Inspector: Magdalena Gierczak, Inspector

Other Participants: None

LATITUDE / LONGITUDE: Lat 26° 19' 2.0" / Long 80° 6' 27.0"

SIC CODE:

TYPE OF OWNERSHIP: Private

Introduction:

Facility is closed. Property is vacant.

Summary of Potential Violations and Areas of Concern:

Potential Violations

No Violations

Areas of Concern

No Areas of Concern

Conclusion:

Facility is closed. Property is vacant.

Inspection Date: 11/18/2011

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737, & 62-740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C. The above noted potential items of non-compliance were identified by the inspector(s).

This is not a formal enforcement action and may not be a complete listing of all items of non-compliance discovered during the inspection.

Magdalena Gierczak

PRINCIPAL INSPECTOR NAME

Inspector

PRINCIPAL INSPECTOR TITLE



11/18/2011

PRINCIPAL INSPECTOR SIGNATURE

DATE

None

REPRESENTATIVE NAME

NO SIGNATURE

REPRESENTATIVE SIGNATURE

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

SITE 10
BROTHERS DRY CLEANING

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 9800676

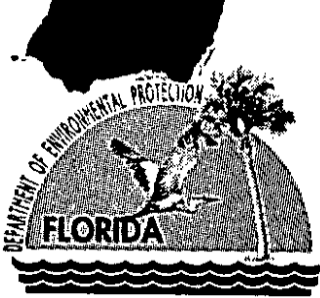
Name: Brothers Dry Cleaning Inc
1141-1145 S Military Trl
Deerfield Beach, FL 33442

Contact: Don Marton**Phone:** 954-481-1720**District:** SED**County:** 06 - Broward**Type:** 3-Dry Drop-Off**Status:** Closed**Latitude:** 26:18:07.4892**Longitude:** 80:07:53.2662**LL Method:** DPHO-**Account Owner:** Brothers Dry Cleaning Inc

Tank #	Size	Content	Installed	Placement	Status	Construction Piping Monitoring
1		DryClean Petroleum	07/01/1998	ABOVE	Removed from Site	

*****Note:**

**Construction, Piping, and Monitoring Info not shown for CLOSED tanks
(Status A: Closed in Place, B: Removed from the site).**



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
March 2, 2000

David B. Struhs
Secretary

KOUROSH ALIPOUR, OWNER
ONE PRICE DRY CLEANER
1145 S MILITARY TR
DEERFIELD BEACH, FL 33441-

The Hazardous Waste Regulation Section has reviewed your application for a hazardous waste DEP/EPA Identification Number. Based on the information received you have been issued the following identification number for the facility located at 1145 S MILITARY TR , DEERFIELD BEACH:

FLR000063537

Your facility status is the following:

Small Quantity Generator

This letter is not an approval to transport hazardous waste or to operate a hazardous waste treatment, storage, or disposal (TSD) facility. Please contact the Department for complete requirements for hazardous waste transporters and TSDs.

Please notify us in writing if there is any change in your operations which would affect your status. For further assistance, please call (850)488-0300.

Sincerely,


Michael X. Redig
Environmental Manager
Hazardous Waste Regulation Section

Site: 166786

new: 766786

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved EPA 873-010-9010-101-01

RECEIVED
Date Received
(For Official Use Only)
FEB 08 2008
74 3/1/2008
HAZAR

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

A. First Notification B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number
FL R 000 063537

II. Name of Installation (Include company and specific site name)

ONE PRICE OIL

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

1145 S MILITARY TRAIL

Street (continued)

City or Town

DEERFIELD BEACH

State

ZIP Code

FL 33441

County Code

County Name

011 ~~PALEH BEACH~~ BROWARD COUNTY SE

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

N 26 21 21 W 80 07 44

City or Town

State

ZIP Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

(first)

ALIPOUR

KOUROSH

Job Title

Phone Number (area code and number)

OWNER

954-481-1720

VI. Installation Contact Address (See instructions)

A. Contact Address Location Mailing

B. Street or P.O. Box

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

KOUROSH ALIPOUR

Street, P.O. Box, or Route Number

City or Town

State

ZIP Code

Phone Number (area code and number)

B. Land Type

C. Owner Type

D. Change of Owner Indicator

(Date Changed) Month Day Year

954-481-1720

Yes No

ID - For Official Use Only									

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity		B. Used Oil Fuel Activities
<p>1. Generator (See Instructions)</p> <p><input type="checkbox"/> a. Greater than 1000kg/mo (2,200 lbs.)</p> <p><input checked="" type="checkbox"/> b. 100 to 1000 kg/mo (220 - 2,200 lbs.)</p> <p><input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.)</p> <p>2. Transporter (Indicate Mode in boxes 1-5 below)</p> <p><input type="checkbox"/> a. For own waste only</p> <p><input type="checkbox"/> b. For commercial purposes</p> <p>Mode of Transportation</p> <p><input type="checkbox"/> 1. Air</p> <p><input type="checkbox"/> 2. Rail</p> <p><input type="checkbox"/> 3. Highway</p> <p><input type="checkbox"/> 4. Water</p> <p><input type="checkbox"/> 5. Other - specify <input type="text"/></p>	<p><input type="checkbox"/> 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions.</p> <p>4. Hazardous Waste Fuel</p> <p><input type="checkbox"/> a. Generator Marketing to Burner</p> <p><input type="checkbox"/> b. Other Marketers</p> <p><input type="checkbox"/> c. Burner - indicate device(s) - Type of Combustion Device</p> <p><input type="checkbox"/> 1. Utility Boiler</p> <p><input type="checkbox"/> 2. Industrial Boiler</p> <p><input type="checkbox"/> 3. Industrial Furnace</p> <p><input type="checkbox"/> 5. Underground Injection Control</p>	<p>1. Off-Specification Used Oil Fuel</p> <p><input type="checkbox"/> a. Generator Marketing to Burner</p> <p><input type="checkbox"/> b. Other Marketer</p> <p><input type="checkbox"/> c. Burner - indicate device(s) - Type of Combustion Device</p> <p><input type="checkbox"/> 1. Utility Boiler</p> <p><input type="checkbox"/> 2. Industrial Boiler</p> <p><input type="checkbox"/> 3. Industrial Furnace</p> <p><input type="checkbox"/> 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification</p>

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001) 2. Corrosive (D002) 3. Reactive (D003) 4. EP Toxic (D000) (List specific EPA hazardous waste number(s) for the EP Toxic contaminant(s))

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1 D001	2 D039	3	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring an I.D. number. See instructions.)

1	2	3	4	5	6
---	---	---	---	---	---

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature <i>X Kouras H. Alipour</i>	Name and Official Title (type or print) <i>X Kouras H. Alipour owners</i>	Date Signed <i>1/27/00</i>
---	--	-------------------------------

XI. Comments

Petroleum Naptha Dry cleaner.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

SITE 11
WALMART GLOBAL MEDIA



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Herschel T. Vinyard Jr.
Secretary

05/03/2013
Christopher Stewart, Senior Manager
Wal-Mart Neighborhood Market #3104
PO Box 8041
Bentonville, AR 72712

The Florida Department of Environmental Protection has reviewed your form 8700-12FL notification for a new hazardous waste DEP/EPA Identification Number or status/information change. Based on the information received you must use the following identification number for all manifests or reports for **Wal-Mart Neighborhood Market #3104** located at **1101 S Military Trl, Deerfield Beach , FL33442-7645**

FLR000198986

Your facility notified FDEP requesting the following hazardous waste status/activities which **do not require a separate submission: Conditionally Exempt SQG; Small Quantity Handler, Universal Waste Lamps.**

Your facility is **currently registered** for the following activities: **None.**

Your facility is **currently permitted/active** as: **No Active Hazardous Waste Treatment, Storage, or Disposal Permit.**

If you have pending program registrations/certifications or permits, these will be mailed separately. You are required to notify us on form 8700-12FL if there is any change in your operations which would affect your status, activity or contact information. The form is found here:

<http://www.dep.state.fl.us/waste/categories/hwRegulation/pages/NotificationRegulatedWaste.htm>.

To review the details of your status, visit:

http://appprod.dep.state.fl.us/www_RCRA/Reports/handler_results.asp?epaid=FLR000198986.

For further assistance, please contact me at (850) 245-8749 or email at

Glen.Perrigan@dep.state.fl.us .

Sincerely,

A handwritten signature in cursive script, appearing to read 'Glen Perrigan'. Below the signature is the word 'FOR' in small capital letters.

Glen Perrigan
Environmental Manager
Hazardous Waste Regulation Section

ME ID: 108493 , Email Address: christopher.stewart@wal-mart.com



8700-12FL - FLORIDA NOTIFICATION OF REGULATED WASTE ACTIVITY

DEP Waste Management Division-HWRS, MS4560
2600 Blair Stone Rd. Tallahassee, FL 32399-2400
(850) 245-8772

Date Received
(for FDEP Official Use Only)

EPA ID []

MTS RCRAInfo

1. Reason for Submission: Received APR 08 2013
Mark 'X' in correct box:
[X] To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).
[] To provide subsequent notification (to update status and facility identification information).
[] Is this the final notification (see instructions) for the facility?

2. Facility Business Name: Walmart Neighborhood Market #3104
FEID No. 7 1 0 8 6 2 1 1 9

3. Facility Operator: Wal-Mart Stores East, LP
Name of Operator: Wal-Mart Stores East, LP
Date became Operator: 04 / 29 / 13
Street or P.O. Box: P.O. Box 8041
Phone Number: 479-204-0402
City or Town: Bentonville
State: AR
Zip Code: 72712-8041
Operator Type: [X] Private [] Federal [] Municipal [] State [] Other

4. Facility Physical Location Information:
Physical Street Address: 1101 S. Military Trail
City or Town: Deerfield Beach
State: FL
Zip Code: 33442
County: Broward
If available, please attach a map or sketch of the facility boundaries.
Latitude: 26 18 11.106 Longitude: 80 07 15.4122 Method:
d d m m s s . ssss d d m m s s . ssss Datum:

5. Facility North American Industry Classification System (NAICS) Code(s):
A. 452910
B.
C.
D.

6. Facility or Business Mailing Address:
Street Address or P.O. Box: P.O. Box 8041
City or Town: Bentonville
State: AR
Zip Code: 72712-8041

7. Facility or Business Contact Person:
First Name: Chris
Last Name: Stewart
Title: Senior Manager
Phone Number: 479-204-0402
Extension:
E-Mail: christopher.stewart@wal-mart.com
Street or P.O. Box: P.O. Box 8041
City or Town: Bentonville
State: AR
Zip Code: 72712-8041

8. Real Property (Land) Owner of the Facility's Physical Location:
Name of Real Property (Land) Owner: Wal-Mart Stores East, LP
Date became Owner: 04 / 29 / 13
Street or P.O. Box: P.O. Box 8041
Phone Number: 479-204-0402
City or Town: Bentonville
State: AR
Zip Code: 72712-8041
Owner Type: [X] Private [] Federal [] Municipal [] State [] Other

9. Type of Regulated Waste Activity (Mark 'X' in all that apply):

A. Hazardous Waste Activities:

For Items 2 through 7, mark 'X' in all that apply.

(1) Generator of Hazardous Waste

(Choose only one of the following three categories.)

- a. Large Quantity Generator (LQG):
Generates in any calendar month 1,000 kilograms or greater per month (kg/mo) (2,200 lbs.) of *non-acute* hazardous waste; **or** Greater than 1 kg (2.2 lbs) of *acute* hazardous waste
- b. Small Quantity Generator (SQG):
Generates in any calendar month greater than 100kg/mo but less than 1,000 kg/mo (>220 to <2,200 lbs.) of *non-acute* hazardous waste and/or 1 kg (2.2 lbs) or less of *acute* hazardous waste
- c. Conditionally Exempt SQG (CESQG):
Generates in any calendar month 100 kg/mo or less (220 lbs.) of *non-acute* hazardous waste and 1 kg (2.2 lbs) or less of *acute* hazardous waste

In addition, indicate other generator activities that apply.

- d. United States Importer of hazardous waste
- e. Mixed Waste (hazardous and radioactive) Generator

(2) Treater, Storer, or Disposer of Hazardous Waste

(at your facility) Note: A hazardous waste permit may be required for this activity.

- a. Operating Commercial TSD
- b. Operating Non-commercial TSD
- c. Non-operating: Postclosure or Corrective Action Permit or Consent Order (HSWA, etc.)

(3) Recycler of Hazardous Waste (at your facility)

Specify: Commercial; Non-Commercial.
A permit is required for storage prior to recycling.

(4) Exempt Boiler and/or Industrial Furnace

- a. Small Quantity On-site Burner Exemption
- b. Smelting, Melting, and Refining Furnace Exemption

(5) Person Authorized to Manage Conditionally Exempt Waste

Generated at Other Facilities - Choose this management activity ONLY if you attach EITHER a copy of your application for such authorization OR the authorization you received from FDEP.

(6) Underground Injection Control - Mark an 'X' even if the UIC well at your facility does not receive hazardous waste.

(7) Transporter of Hazardous Waste [Note: A Certificate of Liability Insurance is required along with this registration.]

Registration must be renewed annually. a. For own waste only b. For commercial purposes

c. Hazardous Waste Transporter Insurance Information

Insurance Company _____

Address _____

Contact _____ Telephone _____

Policy Number _____ Expiration date _____

d. Transportation Mode Air Rail Highway Water Other - specify _____

e. Hazardous Waste Transfer Facility: Storage Volume _____

Initial notification

The following items are required to be submitted with the initial notification for a transfer facility [Rule 62-730.171(3), Florida Administrative Code (F.A.C.)]:

- Certification by a responsible corporate officer of the transporter that the proposed location satisfies the criteria of Section 403.7211(2), Florida Statutes (F.S.) [Rule 62-730.171(3)(a)1., F.A.C.]
- Evidence of the transporter's financial responsibility [Rule 62-730.171(3)(a)3., F.A.C.]
- A brief general description of the transfer facility operations [Rule 62-730.171(3)(a)4., F.A.C.]
- A copy of the facility closure plan [Rule 62-730.171(3)(a)5., F.A.C.]
- A copy of the contingency and emergency plan [Rule 62-730.171(3)(a)6., F.A.C.]
- A map or maps of the transfer facility [Rule 62-730.171(3)(a)7., F.A.C.]

Notification of changes in above items

Annual update notification

B. Universal Waste (UW) Activities (Mark 'X' in all that apply) ("accumulated" means at any one time):

- Large Quantity Handler (LQH) = 5,000 kg (11,000 lb) or more of any combination of UW accumulated
- Small Quantity Handler (SQH) = always less than 5,000 kg accumulated
- Mercury-containing devices LQH = 100 kg (220 lb) or more accumulated by for-hire handler
- Mercury-containing devices SQH = less than 100 kg accumulated by for-hire handler
- Mercury-containing lamps LQH = 2,000 kg (4400 lbs/8,000 lamps) or more accumulated by for-hire handler
- Mercury-containing lamps SQH = less than 2,000 kg (8,000 lamps) accumulated by for-hire handler
- [Note: 4 lamps = 1 kg, 62-737.200(10)]
- Pharmaceuticals LQH = 5,000 kg or more of universal pharmaceutical waste (UPW) accumulated
- Pharmaceuticals LQH = more than 1 kg (2.2 lb) of acutely hazardous ("P-listed") pharmaceutical waste accumulated
- Pharmaceuticals SQH = always less than 5,000 kg of UPW and always 1 kg or less of acutely hazardous UPW accumulated

(1) For those Managing	Generate/ Accumulate	Transport (see note in instructions)	Handle at Transfer Facility	(2) Enter your estimate of the maximum amount (in pounds) of each type of UW on site or transported at any one time.
a. Batteries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Pesticides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Pharmaceuticals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Mercury Containing Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
e. Mercury Containing Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27

(3) Mercury Recovery and/or Reclamation Facility Note: A hazardous waste permit is required for this activity. [Rule 62-737.800, F.A.C.]
[Chapter 62-737, F.A.C.]

(4) Reverse Distributor of UW Pharmaceuticals Lamps Devices

(5) Destination Facility for UW Note: for this activity, a facility must treat, dispose or recycle a UW. A permit is required for storage prior to recycling.

C. Used Oil Activities:

(1) Used Oil Transporter - indicate type(s) of activity(ies):

- a. Transporter
- b. Transfer Facility

(2) Collection Center

(3) Used Oil Processor (A permit is required for this activity.)

(4) Off-Specification Used Oil Burner

(5) Used Oil Fuel Marketer

(6) Used Oil Filter

- a. Transporter
- b. Transfer Facility
- c. Processor
- d. End User

(7) Used Oil Transporters, Transfer Facilities, Collection Centers, Off-Specification Burners and Marketers must pay an annual \$100 registration fee. Used Oil Processors are exempt from this fee. If applicable, enclose a check or money order, in the amount of \$100, payable to Florida Department of Environmental Protection.
 A check is enclosed.

(8) Specific Certification to be signed by all Used Oil Transporters

I certify as a Used Oil Transporter that the training program and financial responsibility required under Section 62-710.600, F.A.C., are in place, current and being adhered to. If any modifications have been made to the originally approved training program, they are explained in attachments to this registration form. Evidence of financial responsibility is demonstrated by the attached Used Oil Transporter Certificate of Liability Insurance, DEP form 62-710.901(4), F.A.C.

Signature of Authorized Person

Print Name of Authorized Person

(9) The records required under the provisions of Rule 62-710.510, F.A.C., are kept at (check one):

- our mailing (business) address
- The site (facility) address

EPA ID No.

D. Other State Regulated Waste Activities:

Petroleum Contact Water (PCW) Handler [Chapter 62-740, F.A.C.]
 Note: A water facility permit may be required for this activity.

10. Waste Codes for Federally Regulated Hazardous Wastes: List the waste codes of the Federal hazardous wastes handled at your facility. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Hazardous waste transporters list codes routinely or usually transported. Use an additional page if more spaces are needed.

¹ D001	² D002	³ D003	⁴ D004	⁵ D005	⁶ D006	⁷ D007
⁸ D008	⁹ D009	¹⁰ D010	¹¹ D011	¹² D016	¹³ D018	¹⁴ D022
¹⁵ D024	¹⁶ D026	¹⁷ D027	¹⁸ D035	¹⁹ D039	²⁰ D043	²¹ P001
²² P075	²³ U002	²⁴ U034	²⁵ U035	²⁶ U058	²⁷ U072	²⁸ U080

11. Other Status Changes (Mark 'X' in all that apply):

A. Non-Handler of Regulated Waste at This Facility

- (1) Business no longer generates, transports, treats, stores, or disposes of hazardous waste
- (2) Waste generated by business has been delisted.
- (3) Other (explain) _____

B. Facility Closed

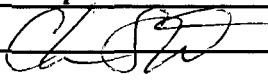
- (1) Closed at this location and **moved or moving** to another - submit a new Form 8700-12FL for the new location if you will be handling regulated waste there.
- (2) Out of Business - Business closed on _____ (Date). Please provide a contact person, mailing address, and phone number where you can be reached after closing.

Contact _____ Phone _____
 Address _____
 City, State, Zip _____

C. Property Tax Default

D. Petition for Bankruptcy Protection

12. Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. If I have notified as a transfer facility, I am aware that transfer facilities must comply with the requirements of Rule 62-730.171, FAC, and Rule 62-730.182, FAC.

Signature of owner, operator, or an authorized representative	Print Name and Title	Date Signed (mm-dd-yyyy)
	Chris Stewart, Senior Manager	03/28/2013

If the person who filled in this form is not the Facility Contact or Operator, please complete the information below:

(Name of person completing this form) _____ (Phone Number) _____ (E-mail Address) _____

13. Comments:

Additional Waste Codes: U122, U129, U132, U134, U150, U154, U159, U165, U182, U188, U200, U205, U210, U240, U249, U279, U409

SITE 12
TURNER ENVIROLOGIC AREA



BFD 605 01000

OFFICE OF URBAN PLANNING AND REDEVELOPMENT -

115 S. Andrews Avenue, Room 329K • Fort Lauderdale, Florida 33301 • 954-357-6612 • FAX 954-357-8655

October 28, 2003

Joseph McGarrity, TBA Coordinator
Florida Department of Environmental Protection
Waste Management Division
Bureau of Waste Cleanup
2600 Blair Stone Road., MS 4535
Tallahassee, Florida 32399

BUREAU OF WASTE CLEANUP

NOV 06 2003

TECHNICAL REVIEW SECTION

Dear Mr. McGarrity:

The Broward County Office of Urban Planning and Redevelopment and the Broward County Brownfield Redevelopment Task Force would like to submit the enclosed targeted brownfield assessment grant application for the amount of \$100,000 to the Florida Department of Environmental Protection. The grant will be used to obtain a certified site assessment for a 4.7 acre site located at 3300 SW 11th Street in Deerfield Beach. Any remanding funds will be used to augment source removal work for the site (if deemed necessary).

The company, Envirologic, manufactures air pollution remedation equipment and purchased the site which formerly housed an asphalt company which cleaned trucks using a diesel-based cleaning solution.

If successful, this grant application will allow Envirologic to double the size of its already planned 17,700 sq. ft. manufacturing facility and increase employment on the site. The larger building footprint is currently not feasible due to the location of contamination.

Sincerely,

David J. Westbury
Brownfields Coordinator

Enclosure

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 TARGETED BROWNFIELDS ASSESSMENT
 For State Response Site Program
 Application Information**

Applicant Organization:

- Address: 3439 SW 11th Street.
- City/State/Zip Deerfield Beach, Florida 33442
- Contact Person Tom Turner
- Phone/Fax/Email (954)422-9787 (954)422-9723 fax
tom@tenviro.com

Site Name/Parcel:

- Site Address 3300 SW 11th Street
- City Deerfield Beach, Florida 33442

Current Site Ownership

- Name Tom Turner
- Address 3439 SW 11th Street
- City/State/Zip Deerfield Beach, Florida 33442
- Phone/Fax/Email (954)422-9787 (954)422-9723 fax
tom@tenviro.com

<u>Site Zoning:</u>	<u>Total Acreage of Site:</u>	(attach site map, if available)
Industrial	4.7 Acres	Attached

<u># Buildings on Site:</u>	<u>Approx. Sq. Footage:</u>	<u>Condition:</u> (e.g., usable, partially razed, gutted by fire, etc.)
2 small buildings	1,200 Sq. Ft.	Usable

• **Amount of Delinquent Property Taxes (if any) Value**

Property taxes are current.

• **Describe the anticipated flow of ownership of site/property throughout the process of assessment, cleanup, and redevelopment and describe any problems.**

The property is currently owned by Turner Envirologic which will also be the end user of the site.

- **If property not owned by applicant, describe plans for acquisition.**

Property is owned by applicant.

1. **If property not owned by applicant, does applicant have legal permission to enter the property to conduct site assessment activities?**

Yes If yes, please attach the Site Access Agreement form

No Please Explain.

Note: Failure to obtain legal permission for site access will result in delay of the application

2. **Briefly describe any involvement of federal, state, or local environmental regulatory agency enforcement, assessment or cleanup activities of the candidate site.**

Diesel contamination found in 1989, with some excavation at that time. A site assessment was compelled under Broward County EARL #0037. A Contamination Assessment Report was completed in 1990, and remediation implemented until December 1996. The plant stopped production in 1996. A Phase II was performed in 1997, updated in 2000.

Past Site Uses and Approximate Dates: (e.g., type of manufacturing, landfill, industrial, commercial, retail, etc.)
Please Be Specific:

Site was a asphalt plant until 1996. The site has been under utilized since that time.

Prior Assessment Activities: None Unknown

3. **Describe prior site assessment activities (please attach “executive summary” and “conclusion” section of report(s)).**

A Phase II was performed in 1997, updated in 2000(attached).

Is the site eligible for other state or federal regulatory programs ? (i.e., Petroleum Cleanup Program, Drycleaning Cleanup Program, CERCLA, or RCRA)_ **Yes** **No**

If Yes, Please Describe and Include Site or Facility Identification number.

The site is currently in the Petroleum Cleanup Program. The site score is 10, making it a low priority. The FDEP Facility ID number is 068-944-925.

Site Assessment Needs

4. **Describe site assessment activities being requested and estimated costs.**

The site needs to be evaluated to determine the current status. Due to natural attenuation, as well as some overall site cleanup efforts the site may be eligible for a monitoring only program or other approaches currently being implemented in Broward County. A comprehensive assessment will provide the definition required, and establish direction for future efforts. The estimated cost of this certified site assessment is \$30,000. An additional, \$70,000 is being requested to be used for source removal work if such work is deemed necessary to construct the planned expansion. These requested funds will be used augment the planned investment by Turner Envirologic in the site bringing a vacant underutilized property into productive reuse.

Anticipated Future Use: (i.e. residential, recreational, commercial, retail, industrial, greenspace area)

5. **Describe applicant's proposed vision for reuse.**

The property is currently being developed for use as a manufacturing facility for air pollution control equipment. This will entail fabrication, welding, and assembly of components for shipment throughout the United States and the world.

The City of Deerfield Beach has issued site plan approval for this site, and supports the inclusion of the site in the Brownfields program if such action is deemed necessary. A building permit has been issued for the initial building, located on the west side of the property, in an area which testing showed as containing very low levels of contamination.

The owner, Turner EnviroLogic has taken steps to remove contaminated material and waste asphalt from the site. One source of continuing contamination (a leaking above ground tank) has been sealed and relocated. A program to accelerate natural attenuation has been implemented by the owner. Turner EnviroLogic is currently in construction of the initial building.

If successful, the grant will allow Turner Envirologic to double the size of its already planned 17,700 sq. ft. manufacturing facility and increase employment of the site. The larger building footprint is currently unfeasible due to the prior location contaminations on the site.

6. **Describe municipal commitment such as financial incentives to encourage redevelopment (i.e., tax incentives, tax increment financing, fast-tracking permitting etc.).**

The City of Deerfield Beach has committed to assist Turner Envirologic with "fast-track" permitting. The site will also be designated as a Brownfield (if tests indicate a need) in order to facilitate a Brownfield Site Redevelopment Agreement (BSRA).

7. **Describe proposed funding sources for any site cleanup and current or past evidence of developer interest.**

The site is currently owned by Turner EnviroLogic which also intends to develop the site for its manufacturing facility. The owner already intends to build a 17,000 sq. ft. manufacturing facility on the site. The current environmental conditions of the site only allow for a footprint of this size. A certified site assessment will allow for evaluation of current site conditions of site. It is hoped the process of natural attenuation and action already taken by the company such as the removal of leaking ground tank will have removed much of the contamination. After a certified environmental assessment is obtained it will be determined if a cleanup plan is necessary or feasible under a Brownfield Site Redevelopment Agreement (BSRA). A BSRA would allow the owner to obtain bank financing and construct a building of twice the currently planned size.

Community-Based Planning and Involvement

- **Describe efforts to involve community organizations in developing this proposal.**

Deerfield Beach maintains a Community Appearance Board. All plans for development have been presented to the Board and approved. During the building permit process presentations were made at City Council meetings, open to the public, with the agenda being published prior to the presentations. Turner EnviroLogic has also worked with the City Economic development Department during this process. No other community groups have been identified as potential stakeholders in the development of this property. Involvement by any such groups would be welcomed.

- **Describe efforts to develop partnerships at the local, state and/or tribal level with other stakeholders.**

If necessary or feasible Turner EnviroLogic will seek a Brownfield Designation. This process will require the site to be considered by the Broward County Brownfield Redevelopment Task Force for recommendation to the City of Deerfield Beach. This sitting task force is made up of: environmental professionals, elected officials, representatives of local government and State and Federal Agencies and reviews applications prior to making a recommendation to local municipalities.

- **Describe how project plans ensure future, long-term involvement of community and proposed processes for actively seeking and using its input.**

If the certified assessment requested in this proposal determines that a Brownfield Designation is required in order to develop the property then an extensive public participation plan will be implemented. These steps will include the Broward County Brownfield Redevelopment Task Force meeting and a City of Deerfield Beach meeting.

- **Describe how affected communities will be involved in site selection, future land use and site ownership decisions.**

The site has already been selected by Turner Envirollogic. It is and will be owned by Turner Envirollogic as a manufacturing facility. The site is zoned industrial and the proposed use will be consistent with that designation.

- **Discuss any special communication needs of under-represented communities (e.g., plans to meet these needs).**

None have been identified.

Environmental Justice Plan

- **Describe how EJ community has participated in project development and how community will continue to participate in its implementation.**

This project is industrial in nature and community benefit will mainly entail job creation. The area surrounding the site is entirely industrial in nature and will not effect a residential area.

- **Describe plans for ensuring affected disadvantaged population benefits environmentally and economically (directly or indirectly) from project activities and reuse.**

If project implementation is successful, Turner Envirollogic has committed to attempt to hire a portion of the its new employees from Deerfield Beach's low- income communities.

- **Describe other steps taken or planned, other than the brownfield project to achieve environmental quality in disadvantaged communities near the proposed project.**

Submit Information to: Joseph McGarrity, TBA Coordinator
Florida Department of Environmental Protection
Waste Management Division
Bureau of Waste Cleanup
2600 Blair Stone Rd., MS 4535
Tallahassee, Florida 32399
Phone: (850) 245-8927
Fax: (850) 245-8976



City of
**DEERFIELD
BEACH**

November 3, 2003

**Joseph McGarrity, TBA Coordinator
Florida Department of Environmental Protection
Waste Management Division
2600 Blair Stone Road, MS 4535
Tallahassee, Florida 32399**

RE: Florida Targeted Brownfield Assessment Grant Application

Dear Mr. McGarrity:

The purpose of this communication is to support the Florida Department of Environmental Protection Targeted Brownfield Assessment Grant proposal being prepared by the Broward County Office of Urban Planning and Redevelopment on behalf of Turner Envirologic.

The proposed grant will create regulatory and financial incentives making it possible for Turner Envirologic to make a significant investment in our community.

I urge you to support this grant application and assist in the reclamation of this valuable property in southwest Deerfield Beach.

Sincerely,


**Larry R. Deetjen
City Manager**

LRD/ts

**cc: Jerry Ferguson, Director of Planning/Growth Management
Carlos Baia, Economic Development Manager**

cm/letters/fdeptturnerenvirologic

**Mayor
Albert R. Capellini, P.E.**

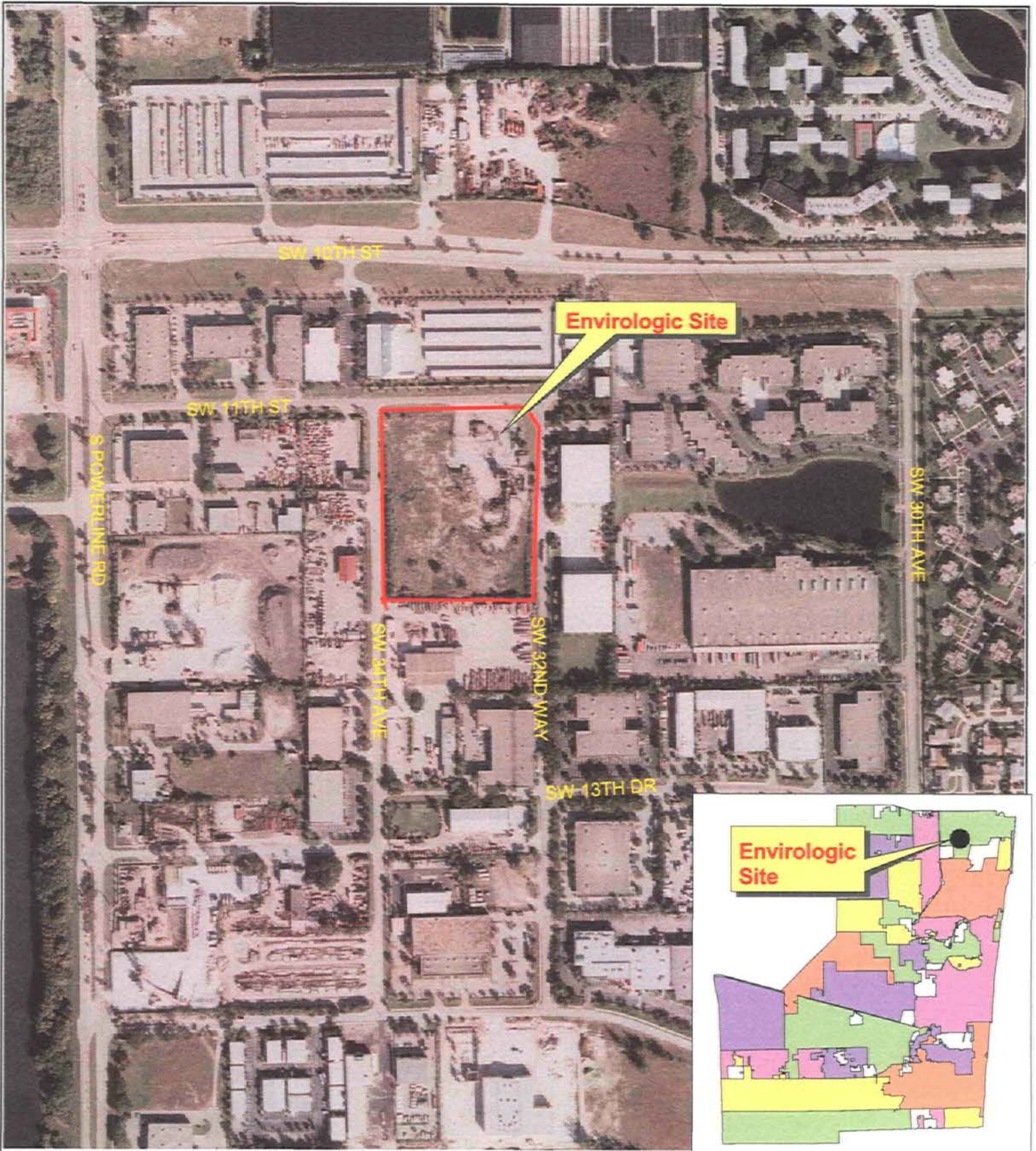
**Vice Mayor
Amadeo Trinchitella**

**Commissioners
Gwendolyn A. Clarke-Rood
Steve Conot
Peggy Noland**

**City Manager
Larry R. Deetjen**


InternetCoast



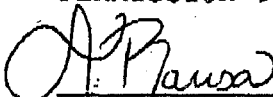
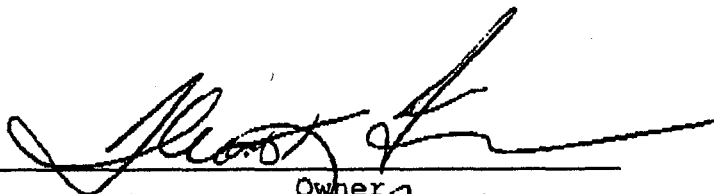


PERMISSION TO ENTER PROPERTY TO CONDUCT
TARGETED BROWNFIELDS ASSESSMENT (TBA)
128(a) GRANT AWARD

- 1) Thomas K. Turner ("Undersigned"), Owner, hereby gives permission to the State of Florida Department of Environmental Protection ("FDEP") and its agents and contractors to enter the undersigned's property ("the property") located at 3300 SW 11th Street, Florida
- 2) This permission is contemplated to be used for the FDEP's Targeted Brownfields Assessment and to include the following activities, which may be performed by the Department, its agents, representatives and contractors to evaluate environmental conditions that may be present at the property:
 - a) To access all areas of the property including areas where environmental contamination may exist;
 - b) To conduct interviews, photographs, site sketches and air monitoring;
 - c) To collect waste, soil, surface water, sediment, and groundwater samples, if necessary, including, but not limited to, the installation of groundwater monitoring wells;
 - c) To store, removal and disposal of investigated-derived wastes; and
 - d) To use on the property of such equipment, including vehicles and drill rigs, as is necessary to perform the above activities.
- 3) The granting of this permission by the undersigned is not intended, nor should it be construed, as an admission of liability on the part of the undersigned or the undersigned's successors and assigns for any possible groundwater, sediment, air or soil contamination detected in the samples.
- 4) The FDEP, its agents, representatives or contractors may enter the property during normal business hours and may also make special arrangements to enter the property at other times after agreement from the undersigned.

5) The FDEP acknowledges and accepts its responsibility pursuant to applicable law (Section 768.28, Florida Statutes) for damages caused by the acts of its employees while on the property.

PERMISSION TO ENTER

	
_____ Witness	_____ Owner
<u>10/28/03</u> Date	<u>10/28/03</u> Date

Accepted by the State of Florida Department of Environmental Protection by the following authorized agent:

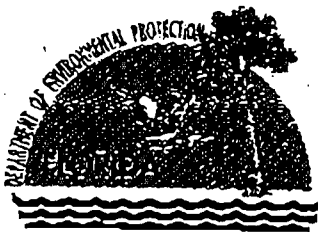
Witness	FDEP TBA Project Manager
_____ Date	_____ Date

** Transmit Conf. Report **

P.1

Mar 8 2004 9:57

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Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

FAX TRANSMITTAL LETTER

DATE: 3/8/04

TO: David Westbury

AGENCY/OFFICE: Broward County

TELEPHONE: (954) 357-6612

FAX NUMBER: (954) 357-8655

NUMBER OF PAGES (INCLUDING COVER SHEET): 2

FROM: Joseph McGarrity

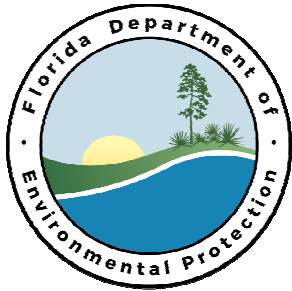
AGENCY/OFFICE: FDEP

FAX NUMBER: (850) 245-8976

If any of these pages are not clearly received, please call IMMEDIATELY,
Phone No. 245-8989

SENDER'S NAME: Teresa Romachinski

SITE 13
EAST COAST ASPHALT



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

10/6/2017

CERTIFIED MAIL #9414810200828536219193
RETURN RECEIPT REQUESTED

2 FOR 2 LLC
3300 SW 11 ST
DEERFIELD BEACH, FL 33442

Subject: Notice of Funding Availability for Assessment

EAST COAST ASPHALT CORP
3300 SW 11TH ST
DEERFIELD BEACH, BROWARD COUNTY
FDEP Facility ID#6 8944925
Eligible Discharge Date: 8/31/1989 (PCPP)
Priority Score: 25

Dear Property Owner:

Your property has been identified as a site affected by petroleum contamination that is eligible for an assessment funded by the State of Florida. On 1/19/2016 and 3/29/2016, the Florida Department of Environmental Protection (Department) sent you a letter with a Site Access Agreement attached. To date, a response to these letters has not been received by the Department.

Providing site access to your property to allow cleanup of the contamination is a required condition to maintain eligibility in the State-funded Petroleum Restoration Program. Should you fail to execute and return the Agreement to the Department within **14** calendars of the date of this letter, the Department may begin the process of revoking your eligibility in the program. If such eligibility is revoked, the total cost to cleanup your property will become your responsibility. For additional information regarding the Petroleum Restoration Program, please find a list of Frequently Asked Questions attached to this letter. Additional information is also posted on our website at <http://www.dep.state.fl.us/waste/categories/pcp/default.htm> under "Petroleum Restoration Program Property Owner/Responsible Party Information Meeting."

2 FOR 2 LLC
FDEP Facility ID# 8944925
Page 2 of 2
[10/6/2017](#)

If you have any questions, please contact Grace Rivera, 850-245-8882,
Grace.Rivera@dep.state.fl.us.

Sincerely,



Alan Sakole
Environmental Supervisor
York Risk Services Group, Inc.
Administrative Services Contractor
Alan.Sakole@yorkrsg.com

Enclosure: Site Access Agreement
Instructions for Completion of Site Access Agreement
Frequently Asked Questions
cc: File

Note, this cover letter is for your records and should not be returned

INSTRUCTIONS FOR COMPLETION OF SITE ACCESS AGREEMENT

This agreement is required to allow FDEP and the Agency Term Contractor (ATC) personnel to enter your property to perform remediation services. Upon issuance of a Closure Order, your site will be restored as nearly as practical to the conditions which existed before the activities, and the access agreement shall be terminated.

The Agreement includes 21 standard paragraphs. Alteration may not be made directly on the original agreement. In addition, there are four questions concerning owner access preference that must be answered by checking the corresponding boxes. Any additional requirements or agreements may not result in the FDEP incurring additional expenses. Please see the instructions following each question for more information.

A. Are additional requirements attached to this agreement? Note: Additional requests must be on a separate page titled Exhibit B and include the facility ID#, owner signature and date on the page.

Some property owners require additional access conditions, such as those mandated in the *Jessica Lundsford Act* for school properties, or have specific requirements regarding notification of work. Additional requirements may be requested on a separate signed and dated page to this agreement, to be titled Exhibit B. Such requests are subject to evaluation and approval by the Department. You will be informed if the Department cannot accept your request. Any changes or alterations to the standard access agreement must be made in Exhibit B, and not on the original agreement.

B. Do you wish to participate or provide input with respect to rehabilitation of this facility?

If you wish to be in close communication with the ATC and receive notifications of work, copies of reports and recommendations for the site, select “yes” for this option. If you prefer to be hands off and let the ATC conduct all work as directed by the FDEP, please select “no.”

C. Do you wish to exercise the option to reject one Agency Term Contractor prior to assignment of work?

As required by legislation outlined in Chapter 62-772 Florida Administrative Code, FDEP will use a competitive procurement process to select an ATC to conduct the assessment/remediation activities. Checking “yes” for the above option allows you to be informed by FDEP which ATC is selected before they are authorized to initiate activities, and reject one selected ATC, if you so choose.

D. Do you want the Contractor to contact you to obtain a separate site access agreement? Note: Additional site access agreements between the owner and ATC must be completed within ninety (90) calendar days.

If “yes” is selected, you will be contacted by the ATC to discuss the terms of your additional site access agreement prior to beginning any work at your site. The State of Florida does not review or give advice regarding these separate agreements. If you choose to do this, the separate access agreement cannot contradict, and must be subservient to, the agreement between the owner and the FDEP.



Petroleum Restoration Program SITE ACCESS AGREEMENT

1. The Parties. The undersigned real property owner, 2 FOR 2 LLC ("**Owner**"), hereby give(s) permission to the State of Florida, Department of Environmental Protection (FDEP) ("**Department**") and its Contractor, subcontractors, and vendors ("**Contractor**"), to enter the Owner's property ("the Property") 3300 SW 11TH ST, DEERFIELD BEACH 33442 with FDEP Facility ID# 8944925.

2. The Property. Owner owns the certain parcel(s) 484210020500 of real property located at 3300 SW 11TH ST, DEERFIELD BEACH, BROWARD COUNTY, FLORIDA 33442 (the "**Property**"), depicted on the attached legal description as Exhibit "A."

3. Permissible Activities. This Site Access Agreement ("Agreement") is limited to activities which may be performed by the Department or its Contractors pursuant to Chapter 62-780, Florida Administrative Code (F.A.C.), without cost to the Owner (unless required in a separate agreement) to locate contamination, determine contamination levels and, when necessary, remove and remediate contamination which may be performed by the Department and its Contractor. This access is provided only for the contamination either eligible for a state-funded cleanup or is being investigated pursuant to a consent order with the Department. The following activities are included in this Agreement but are not limited to this list:

- conduct soil, surface, subsurface, and groundwater investigations, including but not limited to entry by a drill rig vehicle and/or support vehicles;
- install and remove groundwater monitoring wells;
- use geophysical equipment;
- use an auger for collecting soil and sediment samples;
- locate existing wells;
- collect waste, soil, and water samples;
- remove, treat and/or dispose of contaminated soils and water;
- remove contaminated soil by digging with backhoes, large diameter augers and similar equipment;
- install, operate, and remove remedial equipment;
- install and remove utility connections;
- trenching for connection of remediation wells to equipment; and
- conduct surveys, prepare site sketches, and take photographs.

4. Duration and Termination of Access. This Agreement is granted, without any fee or charge to the Department or Contractor, for so long as is necessary to assess, remove, monitor and remediate the contamination on the Property. Access shall be allowed for the Department (including its employees and contracted site managers with Teams 5 and 6 or local government, if applicable) immediately upon the execution of this Agreement.

However, access for a Contractor can be contingent upon the Owner timely entering into a separate site access agreement with the Contractor (if the Owner wants a separate agreement with the Contractor please check the appropriate box at the end of this document). Such agreement with a Contractor is not binding upon the Department. This Agreement shall continue until the Department's entry of a site rehabilitation completion order pursuant to Rule 62-780.680, Florida Administrative Code, or low-scored site initiative no further action order pursuant to Section 376.3071(12)(b), Florida Statutes ("Order"). At which time the Owner shall be provided a copy of the Order and this Agreement shall be automatically terminated.

5. Work Performed during Business Hours. The Department and Contractor may enter the Property during normal business hours and may also make arrangements to enter the Property at other times after agreement from the Owner.

6. Activities Comply with Applicable Laws. The Department and Contractor agree that any and all work performed on the Property and in association with this Agreement shall be done in a good, safe, workmanlike manner, and in accordance with applicable federal and state statutes, rules and regulations.

7. Proper Disposal of Contaminated Media. The Department and Contractor shall ensure that soil cuttings, any work materials, and water generated shall be disposed of in accordance with Environmental Laws. All soil cuttings, waste materials and development water generated shall be promptly removed from the Property.

8. Property Restoration. The Department shall pay the reasonable costs of restoring the Property as nearly as practicable to the conditions which existed before activities associated with contamination assessment or remedial action were taken.

9. Owner's Non-Interference. The Owner shall not interfere with the Department or Contractor when performing the Permissible Activities. Owner shall not damage any equipment including wells, piping, and remediation system that may be located on the Property. Owner shall notify the Department 90 days prior to commencement of any construction, demolition or other work on the Property that may damage or destroy any part of the equipment installed under this Agreement. If the Department anticipates that the remediation equipment will not be used for over one calendar year, the Owner can request removal of the remediation equipment if it is interfering with the operation of the business or with planned construction activities.

10. Non-revocable. If Property is the source of the discharge that is eligible for State funded remediation pursuant to Chapter 376, Florida Statutes, access to the Property is required and Owner may not revoke this Agreement with the Department until the appropriate site rehabilitation completion order is issued under Chapter 62-780.680 or a low-scored site initiative order issued pursuant to Section 376.3071(12)(b), Florida Statutes, is final.

11. No Admission. The granting of this Agreement by the Owner is not intended, nor should it be construed, as an admission of liability on the part of the Owner for any contamination discovered on the Property.

12. Owner's Use of Property. The Owner retains the right to use the Property, and the Department and its Contractors will work with the Owner regarding minimizing activities that may interfere with the Owner's management and use of the Property. However, neither the Department nor the Contractor are responsible for any inconvenience, economic injury, or business damage that Owner may suffer due to the performance of any Permissible Activity. This agreement does not modify any legal right the parties may have regarding negligent acts.

13. Owner's Release of Claim. If Owner selected a qualified contractor (not an agency term contractor), the Owner hereby releases the Department from any and all claims against the Department performed by the Owner's selected contractor arising from or by virtue of, the Permissible Activities.

14. Injury to Department. The Owner shall not be liable for any injury, damage or loss on the Property suffered by the Department, Department employees or Contractors not caused by the negligence or intentional acts of the Owner's agents or employees.

15. Indemnification. The Department does not indemnify the Owner, see paragraph 16. The Contractor has indemnified the Department. However, if the Owner chooses to enter into a separate access agreement with the Contractor, the Contractor is not prohibited from indemnifying Owner as long as such indemnification does not conflict with the Contractor's indemnification of the Department. Where no conflicts exist, any subsequent indemnification by the Contractor to any party associated with the Permissible Activities is subservient and subordinate to the Contractor's indemnification of the Department.

16. Sovereign Immunity. The Department acknowledges and accepts its responsibility under applicable law (Section 768.28, Florida Statutes) for damages caused by the acts of its employees while on the Property.

17. Public Records. All documents created or received associated with the Permissible activities are a public record pursuant to Chapter 119, Florida Statutes. The Owner may retrieve any documents or other information related to the Permissible Activities online using the facility number reference above.

<http://depedms.dep.state.fl.us/Oculus/servlet/login?action=login>

18. Entire Agreement. This Agreement shall constitute the entire agreement between the Department and the Owner regarding this grant of access to the Department as stated herein. No modification, amendment or waiver of the terms and conditions of this Agreement shall be binding upon Department unless approved in writing by an authorized representative of Owner and Department

19. Governing Law and Venue. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. Venue for any action or proceeding arising from or relating to this Agreement shall be in the appropriate Florida court having jurisdiction located in Leon County, Florida.

20. Severability. Any provision of this Agreement that is prohibited or unenforceable shall be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof.

21. No Third Party Beneficiaries. This Agreement is solely for the benefit of the parties hereto and their respective successors and assigns and shall not be deemed to confer upon third parties any remedy, claim, liability, or reimbursement, claim of action or other right.

A. Are additional requirements attached to this agreement? Note: Additional requirements must be on a separate page titled Exhibit B and include the facility ID#, owner signature and date on the page.

YES NO

B. Do you wish to participate or provide input with respect to rehabilitation of this facility?

YES NO

C. Do you wish to exercise the option to reject one Contractor prior to assignment of work?

YES NO

D. Do you want the Contractor to contact you to obtain a separate site access agreement? Note: Additional site access agreements must be completed between the owner and Contractor within ninety (90) calendar days.

YES NO

Signature of each Property Owner

Signature of Witness

Print Name

Date

Print Name

Date

Property Owner Mailing Address

Property Owner Telephone or Cell Phone Number

Property Owner E-mail Address

Accepted by the State of Florida Department of Environmental Protection:

Austin Hofmeister
Program Administrator
Petroleum Restoration Program

Signature of Witness

Date

Print Name

Date

Attachments: Exhibit A- Legal description of the Property. FDEP
Coordinates (Degrees⁰ Minutes' Seconds") for Facility Id.#: 8944925

Latitude 26⁰ 18' 7.7076"

Longitude 80⁰ 8' 53.7900"

Exhibit A

Short Legal Description: POWERLINE INDUSTRIAL PARK 44-11 B LOTS 11 & 12 TOGETHER WITH
W1/2 OF PT OF VAC'D 32 WAY LYING E OF & ADJ TO SAID LOTS BLK 9

FDEP Coordinates(Degrees Minutes Seconds) for Facility 6/ 8944925:

Latitude 26⁰ 18' 7.7076 "
Longitude 80⁰ 8' 53.7900"

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 29 AND BELOW

What is the Petroleum Restoration Program?

The Department of Environmental Protection (DEP) Petroleum Restoration Program (PRP) includes the technical oversight, management, and administration of the assessment and cleanup of sites contaminated by discharges of petroleum and petroleum products from stationary petroleum storage systems. Sites that are eligible for cleanup by the State will be done in priority order based on risk using qualified contractors.

What facility or site is this letter referring to?

For facility specific information please visit the Contamination Locator Map:

1. Go to the PRP main page at:
<http://www.dep.state.fl.us/waste/categories/pcp/default.htm>
2. Click on the blue CLM icon on the left side of the screen.
3. Select "Petroleum" from the search criteria, select "Continue."
4. Search for the site using an address, a 5-digit zip code or a city.

Is this site access agreement required?

Yes, access to the site, through an executed site access agreement, is required in order to be eligible for all funding assistance and is necessary for the site to be assessed.

Will I be expected to pay for this work?

There is no cost to you to have your site assessed. These assessments are the necessary first step in determining the risk (if any) associated with the discharge. If the assessment reveals contamination levels that require additional monitoring or remediation then your site will be placed back in the queue to await priority funding.

Who will be doing the work on my property?

The State has competitively procured qualified cleanup contractors through Agency Term Contracts. One of our Agency Term Contractors (ATCs) will be selected for your site, unless you participate in the voluntary Low-Score Site Initiative (LSSI) described below and select your own contractor. You will be notified of the selected ATC and have the option to evaluate and reject the ATC prior to work assignment if you are not satisfied with the selection.

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 29 AND BELOW

What is the Difference between the Low-Score Site Initiative (LSSI) and the Low-Score Assessment (LSA)?

Low-Score Site Initiative	Low-Score Assessment
Voluntary program for owners/responsible parties that provides a faster assessment with the intent of closing sites below funding range.	Department led assessment to determine risk of contamination at sites below funding range.
Authorized and described in Section 376.3071(12), Florida Statutes.	Authorized in Section 376.3071(4), Florida Statutes
Up to \$35,000 for assessment activities.	Provides enough funding to complete assessment.
Not all low score sites qualify for LSSI. Florida law requires certain criteria for a site to be considered for the LSSI.	All low score program sites are eligible to receive a LSA
An executed site access agreement is not required and the DEP does NOT solicit the owner/responsible party for such agreements.	The DEP requires an executed site access agreement from the owner/responsible party before a LSA may be conducted.
Owner acknowledges that minimal contamination may remain onsite and agrees to the DEP issuing a "No Further Action" determination.	The data collected will determine if the site is an imminent threat, requires monitoring, requires remediation, or qualifies for closure. If additional monitoring or remediation is required, the site will be placed back in the queue to await priority funding.

Will the site assessment or remediation work impact my business?

Contractors are required to communicate with the owner or operator on the property and provide notification prior to any field work. In addition, the PRP site manager will also communicate with you or your designee to ensure the best communication is made. All sites will be returned to their original condition that existed prior to any assessment or remedial work.

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 29 AND BELOW

What if there is an issue with the work conducted at my site?

Once you sign the site access agreement, you will be assigned a PRP site manager. The site manager is responsible for overseeing all of the technical and administrative aspects of the site cleanup. Your assigned site manager will be contacting you upon site assignment and during site activities, and following assessment. You will have an opportunity to rate the ATC that works on your site. Feel free to contact your assigned site manager with any questions you may have throughout the process.

How long will it be before something is done on my site after access is granted?

Once the signed site access agreement is received by the Department, a site manager will be assigned to your site. The assigned site manager will then contact you within 30 days to discuss the next steps and will be able to answer any questions you have about the program.

Who do I contact about my site?

- For general questions concerning the current site assessment, please contact the Department representative whose name is on the Notice of Funding Availability for Assessment letter attached to this document.
- For specific questions regarding site access or the site access agreement contact Grace Rivera at **850-245-8882**.
- If you are considering the LSSI, please contact Graham Witt at **(850) 222-6446, ext. 260** or review the information on the PRP website: <http://www.dep.state.fl.us/waste/categories/pcp/pages/screening.htm>
- For specific questions about the eligibility program of your discharge (Early Detection Initiative (EDI), Abandoned Tank Restoration Program (ATRP), Petroleum Liability and Restoration Insurance Program (PLRIP), or Petroleum Cleanup Participation Program (PCPP) contact Lewis Cornman at **850-245-8846**.

**ENVIRONMENTAL SITE ASSESSMENT UPDATE
MAY, 2000**

**EAST COAST ASPHALT PLANT II
3300 SW 11th St., DEERFIELD BEACH, FLORIDA**

**Prepared for :
Tom Kearns
East Coast Asphalt, Inc.**

**Prepared by:
H₂O Environmental, Inc.
1061 West Oakland Park Blvd.
Fort Lauderdale, Florida 33311
(954) 565-7650**

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Current Regulatory Status and Potential for State-Funded Remediation	3
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LIST OF APPENDICES

- Appendix A – Figures**
- Appendix B – Tables**
- Appendix C – Previous Reports**

Introduction and Brief Site History

H₂O Environmental, Inc. (H₂O) was contracted by East Coast Asphalt, Inc. to prepare an update report for the environmental condition of their property located at 3300 Southwest 11th Street, Broward County, Florida. The property was formerly used for the manufacture of asphalt. The facility, known as East Coast Asphalt Plant II, stopped production in 1996.

The former asphalt plant is associated with known environmental contamination. The purpose of this investigation is to verify the extent of contamination on the property, and to investigate the future liabilities associated with purchasing the property. Figure 1, Appendix A, shows the approximate extent of the impacted area based on all previous assessment activities conducted at East Coast Asphalt. Figure 2, Appendix A shows the general groundwater flow direction in the area.

Diesel fuel contamination was discovered at East Coast Asphalt in 1989. Immediately after discovery, a portion of the contaminated area was excavated. After the excavation was completed, a Contamination Assessment Report was submitted to Broward County. The assessment report documents the approximate extent of remaining soil and groundwater impact.

An environmental remediation system operated from December 4, 1991 through July 7, 1995. As no further improvements were being realized, the system was turned off at the request of Broward County. East Coast Asphalt, of their own volition, implemented a groundwater "monitoring only program".

The East Coast Asphalt site is participating in Florida's Petroleum Cleanup Participation Program. The program provides partial cleanup funding (up to \$300,000 total, with a 25% cost sharing commitment from the responsible party) and allows the responsible party to temporarily suspend current environmental cleanup and monitoring activities.

Several previous reports have been compiled as Appendix C to support this report.

Title	Prepared for	Date	Comment
Phase II Environmental Site Assessment	Pioneer Roofing Tile, Inc	April 1997	Detailed assessment of southern portion of site, prepared for a potential buyer.
Third Quarterly Monitoring Only Report	East Coast Asphalt, Inc	November, 1996	Last monitoring report prepared for the site after acceptance into the PCPP program
Remedial Action Plan	East Coast Asphalt, Inc	January, 1991	Approved Remedial Action Plan which was implemented in 1991
Contamination Assessment Report	East Coast Asphalt, Inc	September, 1990	Approved Contamination Assessment Report in Broward County format

Current Extent of Soil and Groundwater Contamination

Figure 1, Appendix A was prepared to illustrate the current extent of soil and groundwater contamination. The map is a composite map derived from several different sources and field activities.

The following is a summary of observations regarding the contamination

- The asphalt plant is not operational and no sources for new contamination exist.
- The contaminant mass is slowly shrinking due to natural attenuation
- Risk of additional migration, or plume movement, is low
- Contamination at the site is primarily a soils-related problem

The most recent assessment field work was completed in April, 2000. Work completed included the advancement of soil borings to define the western extent of soil impact. The work is summarized in Table 1, Appendix B.

Current Regulatory Status and Potential for State-Funded Remediation

The site assessment and remediation previously conducted at the site was compelled under a Broward County Environmental Assessment and Remediation License (EARL #0037). In 1997, enforcement of the cleanup was suspended because East Coast Asphalt became eligible for a State-funded cleanup program.

The East Coast Asphalt site is now participating in Florida's Petroleum Cleanup Participation Program (PCPP). The program provides partial cleanup funding (up to \$300,000 total, with a 25% cost sharing commitment from the responsible party) and allows the responsible party to temporarily suspend current environmental cleanup and monitoring activities.

All sites eligible for State cleanup funding are scored based on their risk to impact human health and the environment. A higher priority score means that the site has a greater risk. This site is scored 11, which is relatively low. Sites scored 40 and higher are currently being funded. Site remediation will continue at the East Coast Asphalt site when the funds are available for lower risk sites. The State is not projecting when funds will be available however, based on the number of sites and the distribution of priority scores, it will most likely be more than five years before funds are available. When the funding becomes available, the responsible party will be compelled to continue site cleanup.

There is an opportunity to take the site out of priority order and clean it up sooner. A program called Preapproved Advanced Cleanup (PAAC) allows responsible parties to submit proposals to the FDEP to clean up their sites before the funding would normally be available. In this program, responsible parties generally agree to pay more than 25% of the cleanup cost. Recent agreements have been on the order of 40% to 60% cost share by the responsible party. Under this scenario, the State is still only committed to spend a maximum of \$300,000.

Site Remediation Cost Estimate

The rationale for calculating the site cleanup cost is to assist in placing a fair market value on the property. The cleanup cost estimate presented below is reasonably accurate based on current technology and market rates. The cost estimate assumes that the site is cleaned up to current State standards.

Users of this cost estimate should understand that complete site cleanup as contemplated in this cost estimate may never occur. The timing and ultimate cost of the site cleanup is affected by the following:

- The site has a very low priority score within the FDEP system. For this reason, site remediation is not likely to be actively pursued by the FDEP until all higher priority sites have been addressed, which could be several years.
- When the site remediation does become funded by the FDEP, it is possible that a risk assessment will be completed and alternative cleanup target levels will be negotiated. The alternative cleanup standards would be much easier to reach than the current State standards, and cleanup costs could be much lower.

Soil excavation and offsite treatment was chosen as the cleanup technology for this cost estimate for the following reasons;

- Excavation has been proven to work at the site.
- Once the contaminated soil is removed, the groundwater contamination will naturally attenuate.
- Soil excavation is predictable in its results, costs, and timeframe for completion.
- Excavation with some form of onsite soil treatment may be feasible and cost effective, however more permitting is required, and the duration of cleanup could be extended for more than a year.
- Various in-situ remediation technologies may be applicable to this site also, however their effectiveness is not proven, and often the results, timeframe, and costs are highly variable.

After calculating the tons of soil requiring excavation, an all-inclusive cost per ton price is applied. The price per ton was derived from a similar project completed by H₂O Environmental, Inc. in Broward County in 1997. Approximately 46,000 tons of soil was removed from that site and treated offsite. The total cost for that project was \$2.3 million, or approximately \$50 per ton. The project took eight weeks to complete. An estimated cost of \$50/ton will be used in the East Coast Asphalt cost estimate.

For the East Coast Asphalt cost estimate, the contamination at the site was divided into three zones. For simplicity the zones were considered to be perfectly circular. In practice, the excavation would most likely be somewhat elliptical in shape and elongated in the direction parallel to the groundwater flow direction. For the purpose of this estimate, perfect circles are appropriate.

Zone	Description	Radius	Estimated Tonnage
Zone 1	Heaviest contamination – 12 foot soil horizon	80 feet	12,500
Zone 2	Moderate to light soil contamination – 6 foot soil horizon	160 feet	25,400
Zone 3	Groundwater contamination only	200 feet	NA

Approximate site cleanup values; 38,000 tons of soil excavation; \$1.9 million.

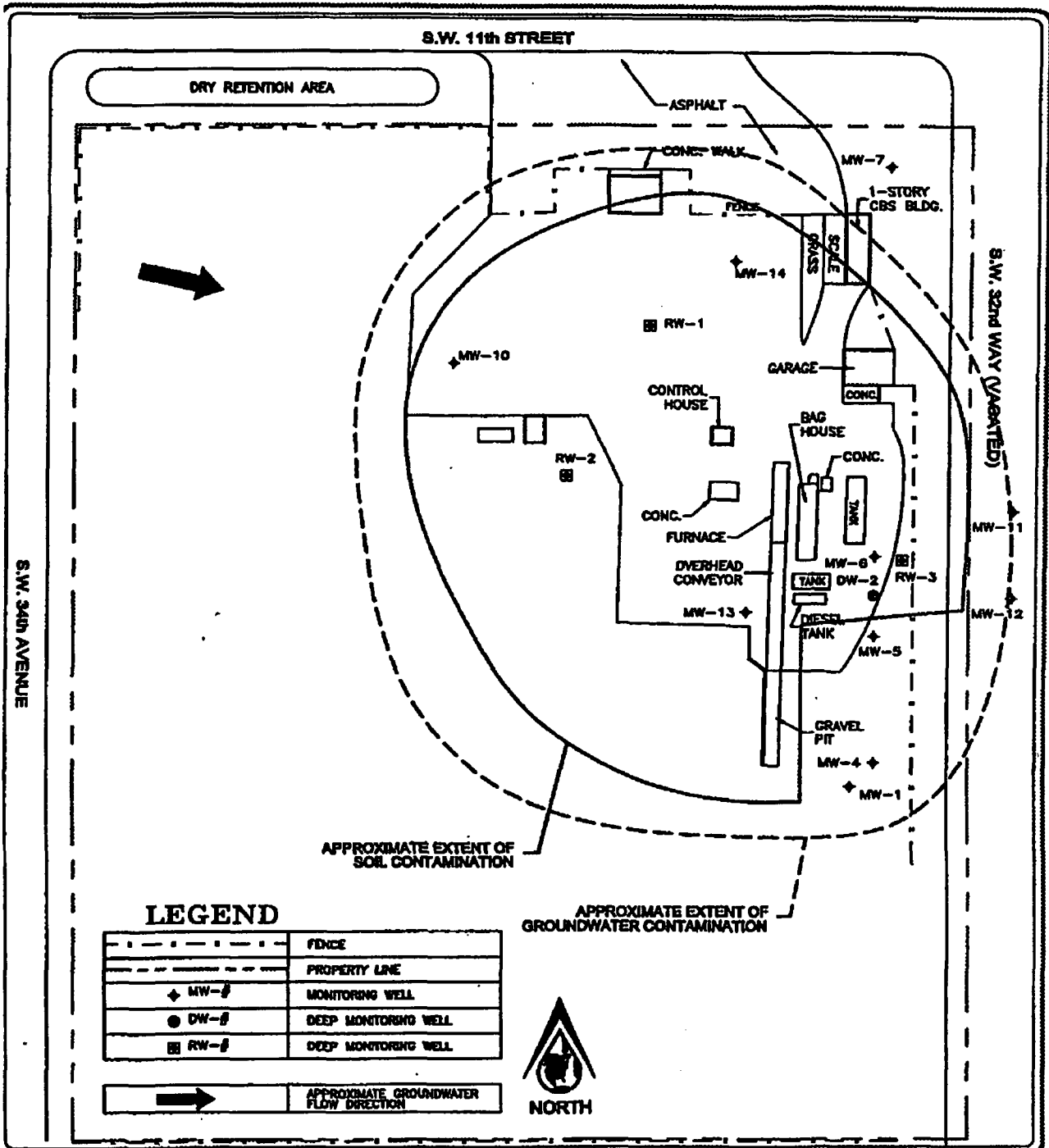
Impediments to Future Development and Land Use Due to Contamination.

Contamination at the site is below the surface. There is no reason to suspect that by simply working on or near the property, one would be exposed to the contamination. There are no special considerations for worker safety unless, during future development, workers are required to excavate. Whenever excavations are contemplated in the contaminated area, special consideration should be given to contractor selection and worker safety.

Future use of the subject property is somewhat restricted due to the contamination. All site development plans must pass through Broward County Department of Planning and Environmental Protection. During plan review, County engineers will compare known contamination with development plans. Development that limits access to the contamination for future cleanup will prompt concern and possible rejection of the development plan.

A development plan that restricts access to the contamination would require significant assurances that the contamination could be reasonably addressed without direct access to the affected area.

Appropriate property use in the area of contamination would be parking, equipment storage, or any other use that does not require permanent buildings, or difficult-to-move structures.

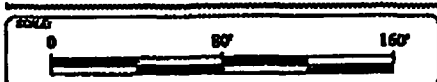


LEGEND

---	FENCE
---	PROPERTY LINE
◆ MW-#	MONITORING WELL
● DW-#	DEEP MONITORING WELL
■ RW-#	DEEP MONITORING WELL

→ APPROXIMATE GROUNDWATER FLOW DIRECTION

APPROXIMATE EXTENT OF GROUNDWATER CONTAMINATION



H₂O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

PREPARED FOR: **East Coast Asphalt**

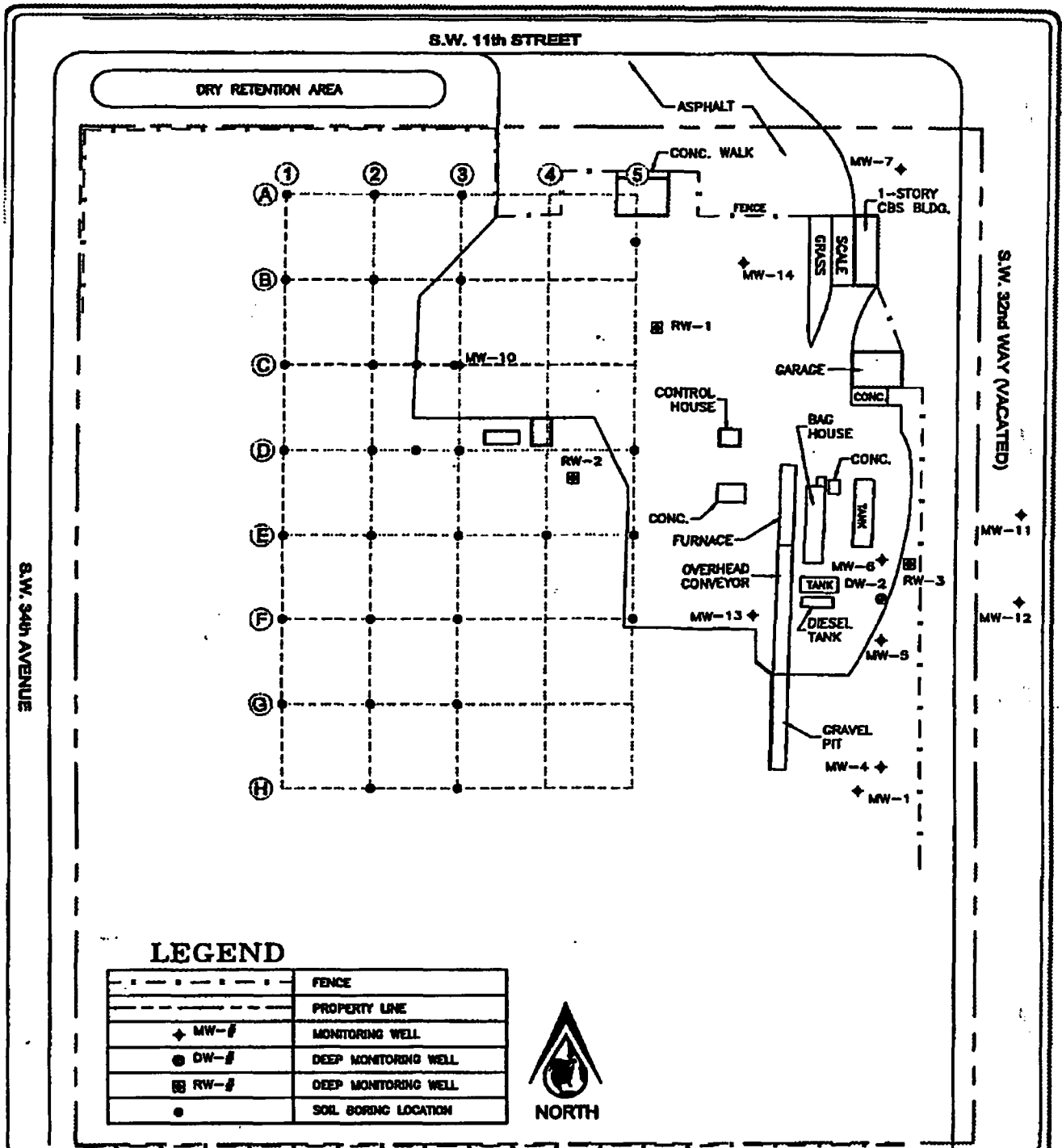
SITE ADDRESS: **East Coast Asphalt
3300 Southwest 11th Street
Deerfield Beach, Broward County, Florida**

PROJECT NO: **ECA-3300**

GRABBY BY: **J. Driscoll**

DATE DATED: **6/5/00**

FIGURE TITLE: APPROXIMATE EXTENT OF SOIL AND GROUNDWATER CONTAMINATION



LEGEND

---	FENCE
---	PROPERTY LINE
◆ MW-#	MONITORING WELL
● DW-#	DEEP MONITORING WELL
■ RW-#	DEEP MONITORING WELL
●	SOIL BORING LOCATION



H₂O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

PREPARED FOR
East Coast Asphalt

SITE ADDRESS
**East Coast Asphalt
3300 Southwest 11th Street
Deerfield Beach, Broward County, Florida**

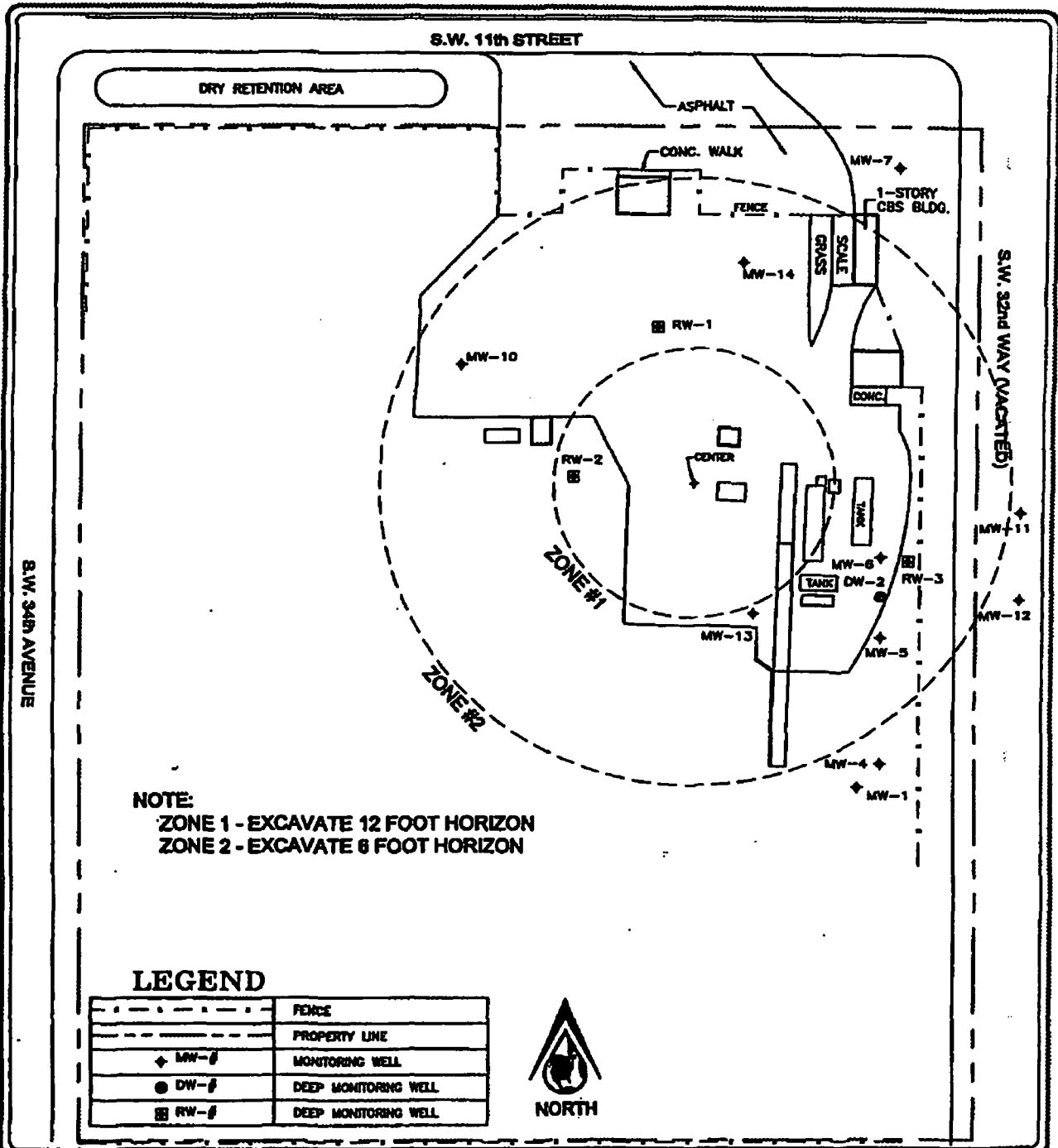
PROJECT No.
BCA-3300

DRAWN BY
J. Driscoll

DATE DRAWN
5/1/00

SOIL BORING LOCATIONS

SCALE



NOTE:
 ZONE 1 - EXCAVATE 12 FOOT HORIZON
 ZONE 2 - EXCAVATE 6 FOOT HORIZON

LEGEND

	FENCE
	PROPERTY LINE
	MW-# MONITORING WELL
	DW-# DEEP MONITORING WELL
	RW-# DEEP MONITORING WELL



H₂O ENVIRONMENTAL, INC.
 SCIENTISTS & ENGINEERS

PREPARED FOR: **East Coast Asphalt**

SITE ADDRESS:

PROJECT NO: **BCA-3300**

DRAWN BY: **J. Driscoll**

DATE DRAWN: **5/31/00**

FIGURE TITLE: **Cleanup Cost Estimate Basis**

FIGURE NUMBER:

TABLE

Summary of Soil Sample Organic Vapor Analyzer Results

East Coast Asphalt
 3300 Southwest 11th Street
 Deerfield Beach, Broward County, Florida
 Project No. ECA-3300

Boring Identification	Date Sampled	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	Corrected OVA Results
A1	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
B1	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
C1	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
D1	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	1.8	BDL	1.8
		4'-6'	0.8	BDL	0.8
E1	20-Apr-00	0'-2'	0.7	BDL	0.7
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
F1	20-Apr-00	0'-2'	0.2	BDL	0.2
		2'-4'	0.4	BDL	0.4
		4'-6'	0.5	BDL	0.5
G1	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
A2	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
B2	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	0.3	BDL	0.3
		4'-6'	BDL	BDL	BDL
C2	20-Apr-00	0'-2'	0.2	BDL	0.2
		2'-4'	1.0	BDL	1.0
		4'-6'	0.8	BDL	0.8
D2	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
E2	20-Apr-00	0'-2'	1.1	BDL	1.1
		2'-4'	1.2	BDL	1.2
		4'-6'	2.0	BDL	2.0
F2	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	0.4	BDL	0.4
		4'-6'	0.2	BDL	0.2
G2	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL

TABLE

Summary of Soil Sample Organic Vapor Analyzer Results

East Coast Asphalt
 3300 Southwest 11th Street
 Deerfield Beach, Broward County, Florida
 Project No. ECA-3300

Boring Identification	Date Sampled	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	Corrected OVA Results
H2	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
A3	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
B3	20-Apr-00	0'-2'	6.6	3.0	3.6
		2'-4'	4.4	2.0	2.4
		4'-6'	8.1	3.4	4.7
C3	20-Apr-00	0'-2'	9.0	4.6	4.4
		2'-4'	1.4	BDL	1.4
		4'-6'	1.0	BDL	1.0
		6'-8'	1.2	BDL	1.2
		8'-10'	98.0	55.0	43.0
D3	20-Apr-00	0'-2'	0.2	BDL	0.2
		2'-4'	36.0	14.0	22.0
		4'-6'	100.0	80.0	1.0
E3	20-Apr-00	0'-2'	0.4	BDL	0.4
		2'-4'	0.2	BDL	0.2
		4'-6'	0.8	BDL	0.8
F3	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
G3	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	8.0	3.8	4.2
		4'-6'	30.0	4.8	25.2
H3	20-Apr-00	0'-2'	1.4	BDL	1.4
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
C25	20-Apr-00	0'-2'	0.6	BDL	0.6
		2'-4'	0.5	BDL	0.5
		4'-6'	0.9	BDL	0.9
		6'-8'	25.0	15.0	1.2
		8'-10'	20.0	14.0	43.0
D25	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	0.5	BDL	0.5
		6'-8'	100.0	50.0	50.0
		8'-10'	150.0	100.0	50.0

TABLE

Summary of Soil Sample Organic Vapor Analyzer Results

East Coast Asphalt
 3300 Southwest 11th Street
 Deerfield Beach, Broward County, Florida
 Project No. ECA-3300

Boring Identification	Date Sampled	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	Corrected OVA Results
E4	20-Apr-00	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	4.5	1.2	3.3
		6'-8'	22.0	7.1	1.2
		8'-10'	100.0	38.0	43.0
A.5.5	20-Apr-00	0'-2'	52.0	42.0	10.0
		2'-4'	43.0	20.0	23.0
		4'-6'	58.0	10.0	48.0
		6'-8'	380.0	300.0	80.0
		8'-10'	240.0	150.0	90.0
D5	20-Apr-00	2'-4'	100.0	60.0	40.0
		4'-6'	> 1,000	280.0	>720
		6'-8'	500.0	210.0	280.0
		8'-10'	410.0	280.0	130.0
E5	20-Apr-00	0'-2'	800.0	280.0	520.0
		2'-4'	260.0	210.0	50.0
		4'-6'	> 1,000	880.0	>120
		6'-8'	> 1,000	SF	> 1,000
		8'-10'	460.0	160.0	300.0
F5	20-Apr-00	0'-2'	8.8	7.2	1.6
		2'-4'	180.0	100.0	80.0
		4'-6'	690.0	90.0	600.0
		6'-8'	400.0	46.0	354.0
		8'-10'	620.0	240.0	380.0

NOTES:

All results in ppm.

BDL - below detection limit (1 ppm)

OVA - Organic Vapor Analyzer, Foxboro Century Model 128

SF-Saturated Filter

PHASE II ENVIRONMENTAL SITE ASSESSMENT

PREPARED FOR:

PIONEER ROOFING TILE, INC.

**East Coast Asphalt, Plant II
3300 SW 11th Street
Deerfield Beach, Florida
Project No. 3447.1701**

April 1997



**H₂O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS**

PHASE II ENVIRONMENTAL SITE ASSESSMENT

**East Coast Asphalt, Plant II
3300 SW 11th Street
Deerfield Beach, Florida
Project No. 3447.1701**

Prepared for:

**Pioneer Roofing Tile, Inc.
1340 SW 34th Avenue
Deerfield Beach, Florida**

Prepared by:

**H₂O ENVIRONMENTAL, INC.
1061 West Oakland Park Boulevard
Ft. Lauderdale, Florida 33311
(954) 565-7650**

April 1997

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GROUNDWATER SAMPLING AND ANALYSIS.....	3
HISTORICAL DATA - ADJACENT PROPERTY.....	4
ENVIRONMENTAL REMEDIATION SCENARIOS.....	4
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APPENDICES

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APPENDIX B	TABLES
APPENDIX C	WELL COMPLETION REPORTS
APPENDIX D	LABORATORY ANALYTICAL REPORTS

INTRODUCTION AND BACKGROUND

H₂O Environmental, Inc. (H₂O) was contracted by Pioneer Roofing Tile, Inc. to conduct a Phase II Environmental Site Assessment (Phase II ESA) on property located at 3300 Southwest 11th Street, Broward County, Florida. The property was formerly used for the manufacture of asphalt. The facility, known as East Coast Asphalt Plant II, stopped production in 1996.

This investigation is concerned only with the south half of the East Coast Asphalt property. The property under investigation (Subject) consists only of the south 3 (approx.) acres of an approximate six acre parcel. Asphalt production occurred only on the north portion of the property and not on the Subject property. In the remainder of this report the southern portion of the property will be referred to as the Subject. East Coast Asphalt will be used to reference either the property as a whole, or just the north portion.

The former asphalt plant is associated with known environmental contamination. Contamination from East Coast Asphalt extends onto the Subject property. Figure 1, Appendix A shows the approximate extent of the impacted area previously reported during the contamination assessment conducted at East Coast Asphalt. Figure 2, Appendix A shows the general groundwater flow direction in the area. The purpose of this investigation is to identify the extent of contamination on the Subject, and to fully investigate the future liabilities associated with purchasing the Subject.

QUALITY ASSURANCE

All field activities were conducted in general accordance with H₂O Environmental, Inc.'s state approved Comprehensive Quality Assurance Plan (CompQAP No. 89-0592G), Chapter 62-770, FAC, and Florida Department of Environmental Protection (FDEP) recommended procedures. Soil and groundwater sample analyses were performed by Envirodyne Inc. of Boca Raton, Florida (CompQAP No. 8900416G). All samples were packed in ice immediately after collection and hand delivered to Envirodyne Inc.

WALK THROUGH

A site inspection was conducted on March 17, 1997, to determine any potential sources of contamination or environmental impact. All portions of the property were observed for signs of potential contamination. There were no underground storage tanks, drums, or dry wells observed on the subject property. No detectable odors or sheens on standing water were observed on the subject property. The following details abandoned equipment, waste piles, and debris observed during the walk through:

- An earthen ramp and conveyor system formerly used for asphalt production.
- A waste pile consisting mostly of spent asphalt approximately 240 feet x 90 feet x 10 feet high (approximately 5,600 tons).
- Four soil/rock piles, which are overgrown with underbrush. See Figure 3, Appendix A for locations and approximate dimensions.
- An abandoned crane and dump truck.
- Four abandoned storage tanks. See Figure 3, Appendix A for tank locations and approximate dimensions. These tanks do not appear to have been used in these locations and there was no indication of any potential impacts adjacent to the tanks.

There were no stormwater drainage features on the property. There were no pits, ponds, or lagoons on the subject property. There were no utilities observed on the subject property or evidence of any PCB containing equipment.

SOIL ASSESSMENT

Soil borings were conducted to determine if soil contamination exists on the Subject. An area of soil contamination was previously documented to exist on the East Coast Asphalt property. Because the Subject is on the periphery of the source, prior detailed investigation of the Subject property was never undertaken.

Thirty-three soil borings (SB-1 through SB-33) were advanced on a grid with approximately 100 foot centers under the supervision of H₂O personnel. The grid and locations of the soil borings are illustrated on the site sketch presented as Figure 4, Appendix A.

Soil samples were collected during the advancement of the soil borings at two foot intervals to a depth of four to eight feet below grade (depth to water approximately 4.5 feet). Soil sample headspace analysis was conducted using a Foxboro 128 organic vapor analyzer (OVA), following the protocol outlined in Chapter 62-770, Florida Administrative Code (FAC). A carbon filter was used to correct the readings for any potential natural organic vapors within the soil samples. The results of the soil sample OVA headspace analysis are summarized in Table 1, Appendix B.

The majority of the Subject was found to be free from soil contamination. A total of approximately 37,500 square feet of contaminated soil was present. Thickness of the affected area varies from 4 to 8 feet. A volume of approximately 4,800 cubic yards (or 6,250 tons) of contaminated soil is present.

MONITORING WELL INSTALLATION

Five temporary monitoring wells (TMW-17 through TMW-21) were installed at selected locations within the Subject to determine the location of any impacted groundwater. The monitoring wells were installed via the hollow stem auger method by a certified water well contractor under the supervision of H₂O personnel.

The wells were constructed of 2-inch diameter Schedule 40 PVC, with approximately 5 feet of riser and 10 feet of 0.015-inch slot screen. The monitoring well risers were left above grade approximately three feet. The borehole annulus was sand-packed with 6/20 silica sand. The wells were developed by the over pumping method to remove fine grained material from the sand pack and to ensure a good hydraulic connection with the aquifer. Figure 2, Appendix A, illustrates the locations of the monitoring wells. The well completion reports are provided as Appendix C.

GROUNDWATER SAMPLING AND ANALYSIS

Groundwater samples were collected for analysis in accordance with EPA Method 610 at Envirodyne Inc. Table 2, Appendix B summarizes the groundwater analytical results. The laboratory analytical reports and sample chain-of custody forms are provided within Attachment D.

Two wells had detectable levels of dissolved diesel fuel contamination. Although monitor well TMW-17 had detectable contamination, the levels do not exceed Florida's groundwater guidance concentrations. Monitor well TMW-19 only slightly exceeded guidance concentrations for Naphthalene and Phenanthrene. The sample from TMW-19 contained Naphthalene at 46.7ppb and Phenanthrene at 32.1ppb, while the guidance concentrations are 6.8ppb, and 10ppb, respectively.

HISTORICAL DATA - ADJACENT PROPERTY

Diesel fuel contamination was discovered at East Coast Asphalt in 1989. Immediately after discovery, a portion of the contaminated area was excavated. After the excavation was completed, a Contamination Assessment Report was submitted to Broward County. The assessment report documents the approximate extent of remaining soil and groundwater impact.

An environmental remediation system operated from December 4, 1991 through July 7, 1995. As no further improvements were being realized, the system was turned off at the request of Broward County. East Coast Asphalt, of their own volition, implemented a groundwater "monitoring only program".

The East Coast Asphalt site has been submitted for eligibility in Florida's Petroleum Cleanup Participation Program. The program provides partial cleanup funding (up to \$300,000 total, with a 25% cost sharing commitment from the responsible party) and allows the responsible party to suspend current environmental cleanup and monitoring activities.

ENVIRONMENTAL REMEDIATION SCENARIOS

The Subject is located along the edge of a plume of soil and groundwater contamination. A portion of the plume extends onto the Subject. The source of the plume is known to be East Coast Asphalt.

The best case scenario would involve long term monitoring of the source area by the responsible party. The responsible party in this case is the owner of the property containing the source (East Coast Asphalt). Recent legislative changes are being implemented that allow much greater flexibility to monitor contamination sites rather than clean them up. Since the Subject is peripheral to the source of the plume, monitor wells may never be required on the Subject. The responsible party (East Coast Asphalt) would complete all work and Pioneer would not pay for any environmental work.

The worst case scenario would involve Pioneer being required to remediate the contaminated soil on the Subject. Soil removal and thermal treatment costs average approximately \$35/ton. Based on our calculations of 6,250 tons of contaminated soil, a total of \$219,000 would be spent removing and treating the soil (Note: This amount could be reduced by approximately \$50,000 if Pioneer were to license their own trucks for transportation of the contaminated material). The

worst case scenario would only occur if there were a complete reversal of current environmental regulatory trends.

The most likely scenario involves the risk of temporary loss of future access and damage to improvements. The responsible party (East Coast Asphalt) may be required to complete additional assessment and remediation on the Subject. In this case Pioneer would have to agree to give the responsible party access to a portion of the property for the purpose of completing their work. Depending on the scope of work, Pioneer may lose the use of portions of the Subject for a period of time, and/or Pioneer's improvements to the Subject may be destroyed. Typically however, the costs of replacing improvements are paid by the responsible party.

CONCLUSIONS

The subject property is impacted by diesel-related contamination from an off-site source.

Trends in Florida's environmental regulations are leading to less environmental remediation and more environmental monitoring. The trend is based on past experience with expensive cleanup operations, and an evaluation of the real risk involved with leaving contamination in place. Often the remediation process (excavation) causes more exposure to hazardous materials than simply leaving the contamination in place. Remediation is now only conducted where drinking water resources have the potential to be affected by the contamination, which is not the case for the Subject property (see below).

The subject is located in an industrial area, and the Broward County landfill is located less than two miles away. Due to area land use, groundwater in the area is not currently considered a potential source for drinking water. Contamination at East Coast Asphalt will be a low priority, and it is highly suspect if any future remediation will take place.

Although the worst case scenario is expensive, the chances of remediation actually being required by East Coast Asphalt or Pioneer is very slight. If remediation is required, East Coast Asphalt should be the responsible party. Based on all information gathered for this assessment, the environmental cost associated with the Subject should be insignificant to Pioneer. Before proceeding, however, Pioneer should seek advice from an attorney experienced in transactions involving contaminated land.

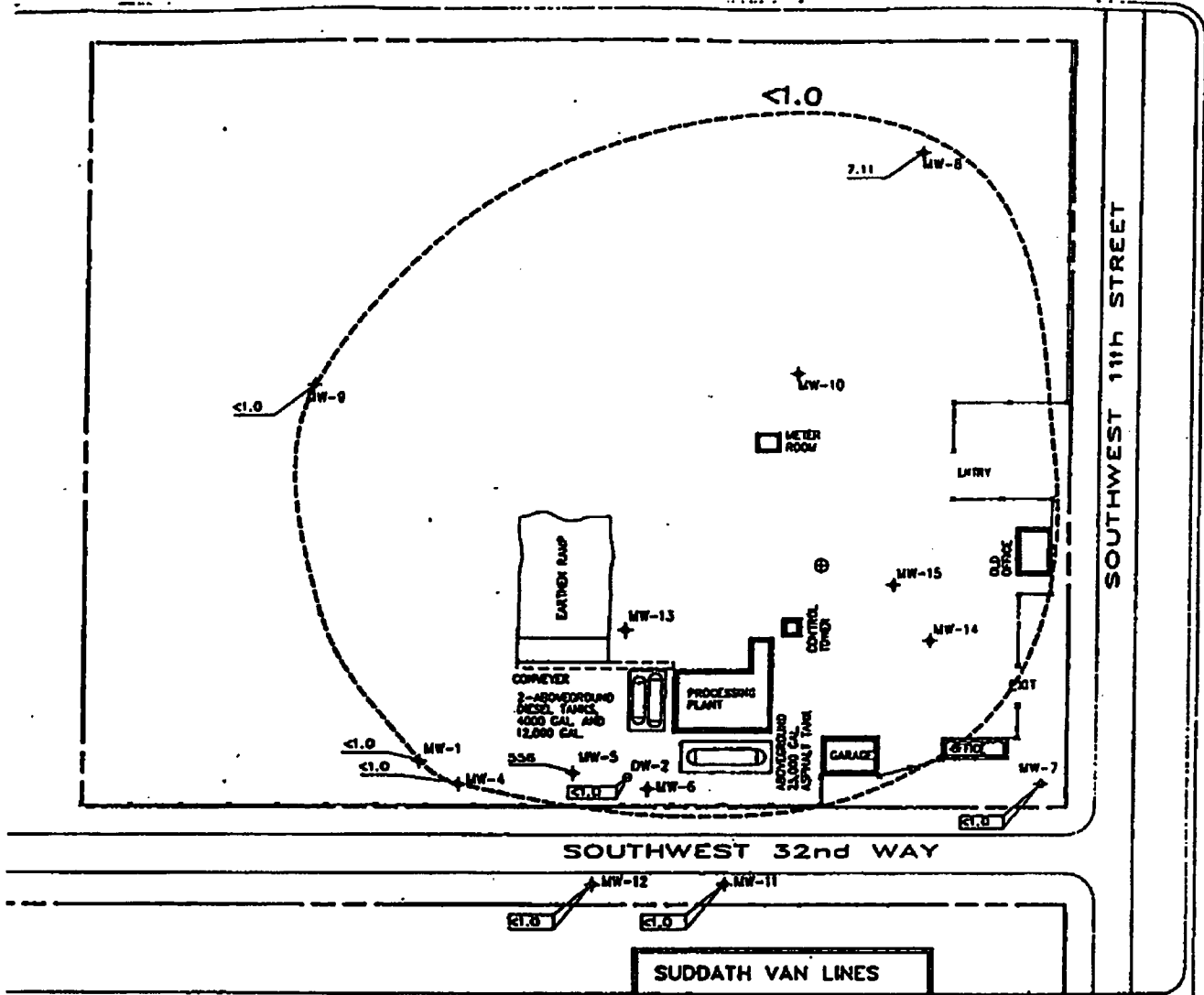
· APPENDIX A

FIGURE 1 - PREVIOUSLY REPORTED IMPACTED AREA

FIGURE 2 - GROUNDWATER FLOW DIRECTION

FIGURE 3 - SOIL BORING LOCATIONS/OVA SUMMARY

FIGURE 4 - MONITORING WELL LOCATIONS



LEGEND

- PROPERTY LINE
- FENCE
- ◆ MONITOR WELL
- DEEP WELL
- ⊕ SUPPLY WELL

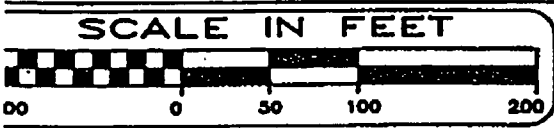
0.0 — DISSOLVED TOTAL NAPHTHALENES CONCENTRATION (ppb)

ALL SAMPLES COLLECTED IN SHALLOW GROUNDWATER EXCEPT DW-2, COLLECTED IN GROUNDWATER FROM 30 TO 35 ft.

DATE SAMPLES TAKEN:

0.0 / 6/20/90

0.0 / 8/22/90



H₂O ENVIRONMENTAL, INC.
ASSESSMENT & REMEDIATION SPECIALISTS

PREPARED FOR:
EAST COAST ASPHALT

SITE ADDRESS:
3300 SOUTHWEST 11th STREET,
DEERFIELD BEACH,
BROWARD COUNTY, FLORIDA

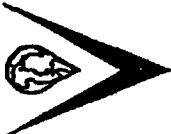


DATE DRAWN:
9/18/90

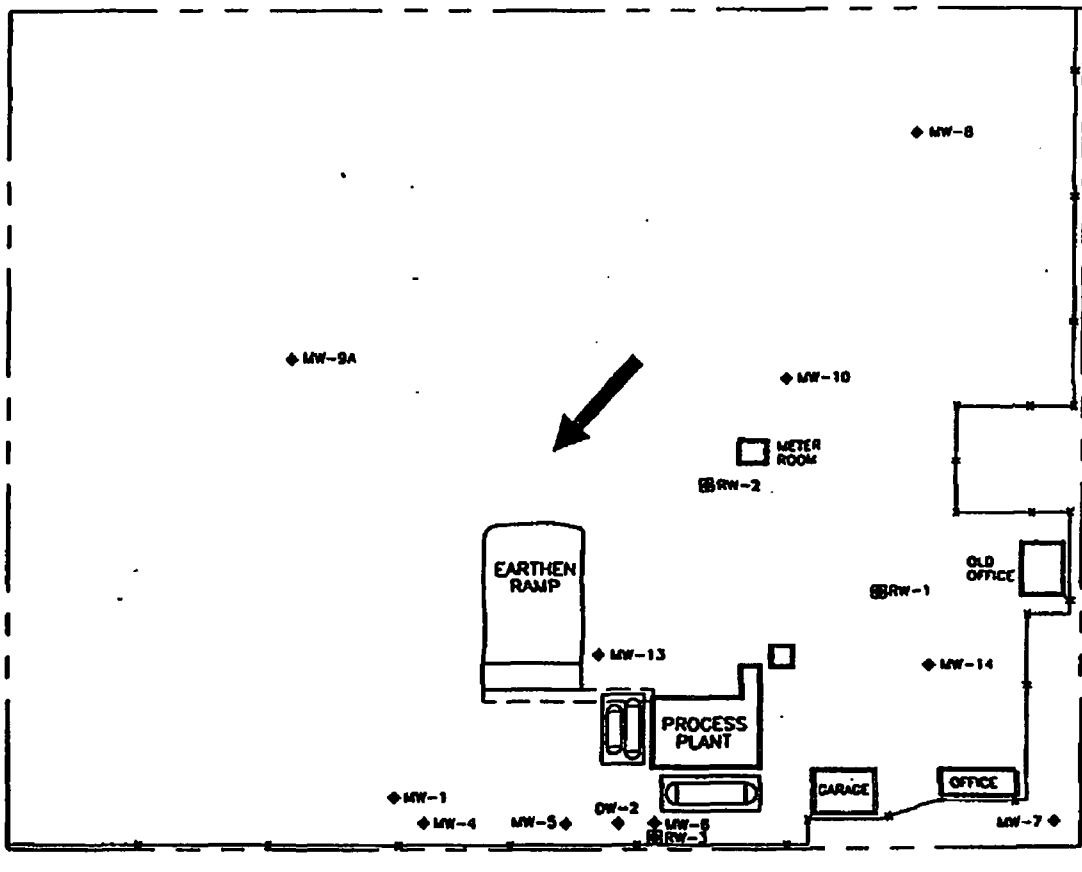
FIGURE TITLE: **GROUNDWATER SAMPLING MAP**

JOB NUMBER:
1089.0026

FIGURE NUMBER: 1



NORTH



SOUTHWEST 32nd WAY

SOUTHWEST 11th STREET

- ▶ MONITORING WELL
- ◻ RECOVERY WELL
- ▭ ABOVE GROUND STORAGE TANKS
- ▬ GROUNDWATER FLOW



H₂O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

PREPARED FOR: EAST COAST ASPHALT

SITE ADDRESS:
3300 SOUTHWEST 11th STREET,
DEERFIELD BEACH,
BROWARD COUNTY, FLORIDA

JOB NO.: 1089.0026

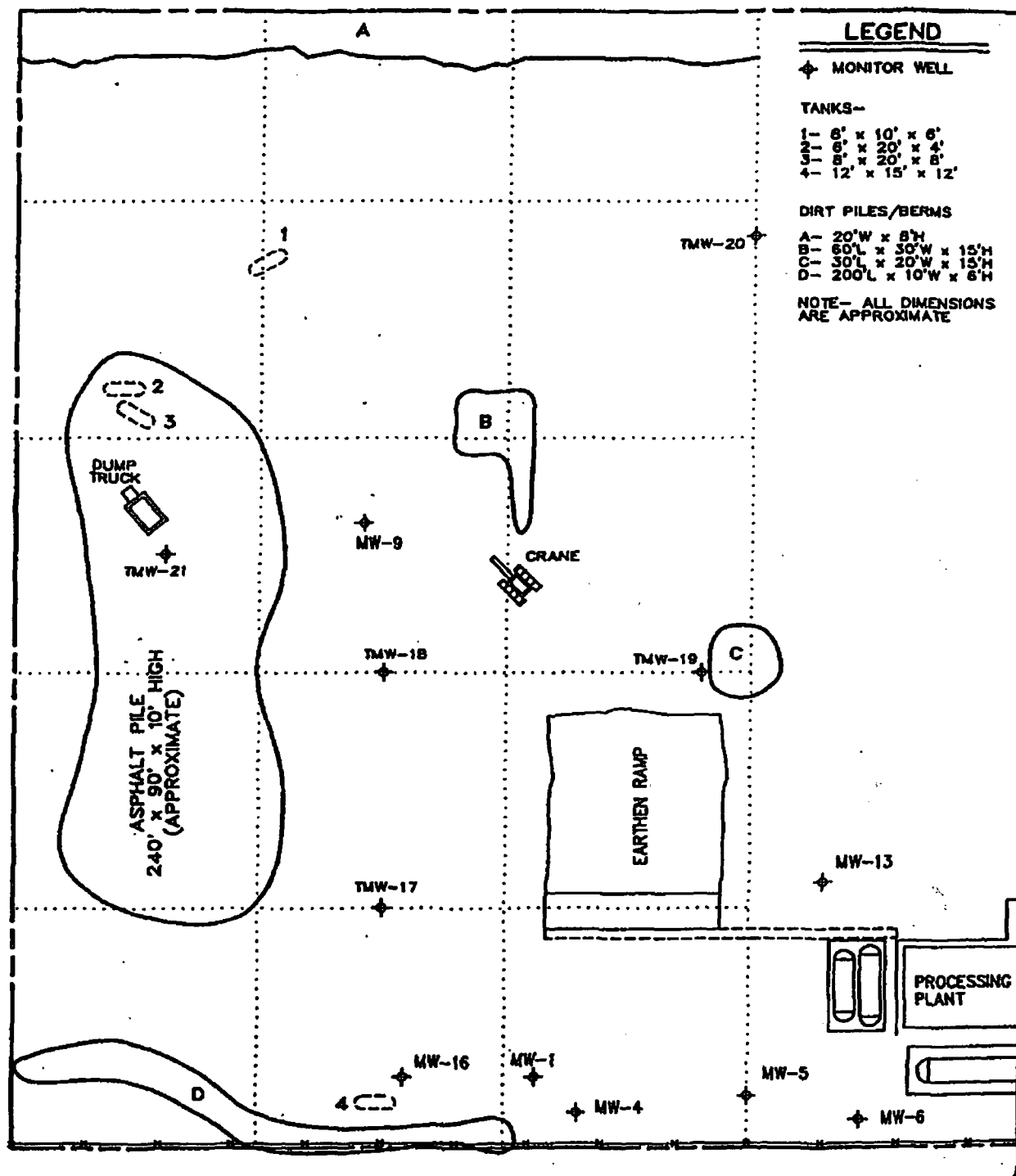
DRAWN BY: C.J.L.

DATE DRAWN: 3/1/95

FIGURE NUMBER: 2

TITLE:

SITE MAP



LEGEND

- ✦ MONITOR WELL
- TANKS--
 - 1- 8' x 10' x 6'
 - 2- 6' x 20' x 4'
 - 3- 8' x 20' x 8'
 - 4- 12' x 15' x 12'
- DIRT PILES/BERMS
 - A- 20'W x 8'H
 - B- 60'L x 30'W x 15'H
 - C- 30'L x 20'W x 15'H
 - D- 200'L x 10'W x 8'H
- NOTE- ALL DIMENSIONS ARE APPROXIMATE



PREPARED FOR:
PIONEER ROOFING TILE, INC.

DRAWN BY: **B.K.**

ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

SITE ADDRESS:
3300 SOUTHWEST 11th STREET,
DEERFIELD BEACH, FLORIDA



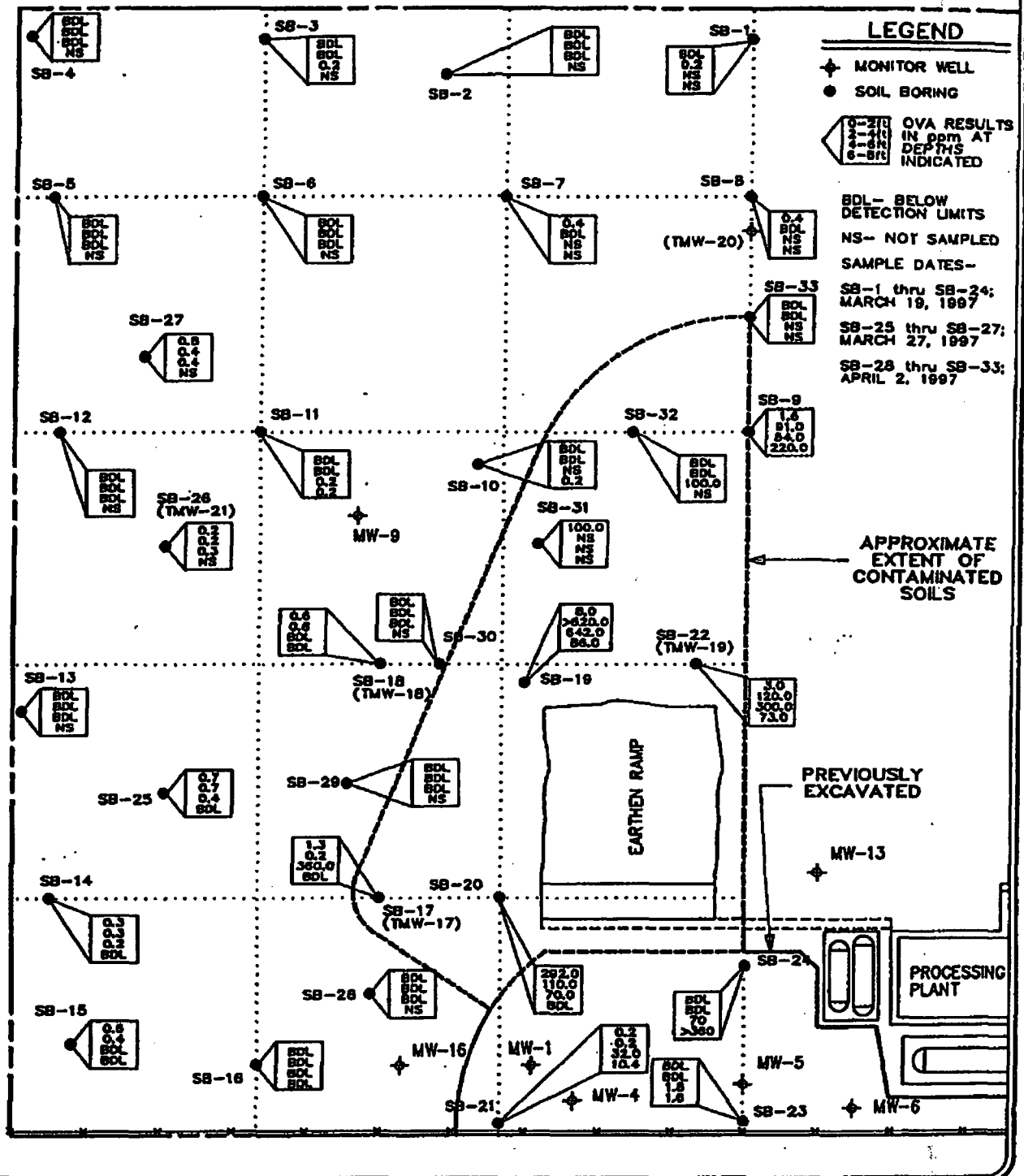
DATE DRAWN:
4/1/97

JOB NUMBER:
3447.1701

DATE PLOD

MONITORING WELL LOCATIONS

PLANE NUMBER:
3



ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

PREPARED FOR:
PIONEER ROOFING TILE, INC.

SITE ADDRESS:
3300 SOUTHWEST 11th STREET,
DEERFIELD BEACH, FLORIDA

DRAWN BY: B.K.

DATE DRAWN: 4/1/97

JOB NUMBER: 3447.1701

NORTH

SOIL BORING LOCATIONS/OVA SUMMARY

APPENDIX B

TABLE 1 - SOIL BORING OVA SCREENING SUMMARY

TABLE 2 - GROUNDWATER ANALYTICAL SUMMARY

TABLE 1

Soil Boring OVA Screening Summary
 East Coast Asphalt, Plant II
 3300 SW 11th Street, Deerfield Beach, Florida
 Project No. 3447.1701

Sample Identification	Sample Date	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	OVA Results Hydrocarbons Only
SB-1	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	0.6	0.4	0.2
		4'-6'	NS	NS	NS
		6'-8'	NS	NS	NS
SB-2	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-3	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	0.4	0.2	0.2
		6'-8'	NS	NS	NS
SB-4	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-5	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-6	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-7	3/19/97	0'-2'	0.6	0.2	0.4
		2'-4'	BDL	BDL	BDL
		4'-6'	NS	NS	NS
		6'-8'	NS	NS	NS
SB-8	3/19/97	0'-2'	0.8	0.4	0.4
		2'-4'	BDL	BDL	BDL
		4'-6'	NS	NS	NS
		6'-8'	NS	NS	NS
SB-9	3/19/97	0'-2'	2.4	0.8	1.6
		2'-4'	160.0	69.0	91.0
		4'-6'	140.0	86.0	54.0
		6'-8'	380.0	160.0	220.0
SB-10	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	0.2	BDL	0.2

TABLE 1 Continued

Soil Sample OVA Screening Summary
 East Coast Asphalt, Plant II
 3300 SW 11th Street, Deerfield Beach, Florida
 Project No. 3447.1701

Sample Identification	Sample Identification	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	OVA Results Hydrocarbons Only
SB-11	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	2.4	2.2	0.2
		6'-8'	0.6	0.4	0.2
SB-12	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-13	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-14	3/19/97	0'-2'	0.5	0.2	0.3
		2'-4'	0.5	0.2	0.3
		4'-6'	0.2	BDL	0.2
		6'-8'	BDL	BDL	BDL
SB-15	3/19/97	0'-2'	1.2	0.6	0.6
		2'-4'	0.6	0.2	0.4
		4'-6'	BDL	BDL	BDL
		6'-8'	BDL	BDL	BDL
SB-16	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	BDL	BDL	BDL
SB-17	3/19/97	0'-2'	1.3	BDL	1.3
		2'-4'	0.2	BDL	0.2
		4'-6'	460.0	100.0	360.0
		6'-8'	440.0	440.0	BDL
SB-18	3/19/97	0'-2'	0.6	BDL	0.6
		2'-4'	0.8	BDL	0.8
		4'-6'	BDL	BDL	BDL
		6'-8'	BDL	BDL	BDL
SB-19	3/19/97	0'-2'	8.0	BDL	8.0
		2'-4'	> 1,000	380.0	>620.0
		4'-6'	720.0	78.0	642.0
		6'-8'	120.0	34.0	86.0
SB-20	3/19/97	0'-2'	360.0	68.0	292.0
		2'-4'	320.0	210.0	110.0
		4'-6'	890.0	820.0	70.0
		6'-8'	440.0	460.0	BDL

TABLE 1 Continued

Soil Sample OVA Screening Summary
 East Coast Asphalt, Plant II
 3300 SW 11th Street, Deerfield Beach, Florida
 Project No. 3447.1701

Sample Identification	Sample Identification	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	OVA Results Hydrocarbons Only
SB-21	3/19/97	0'-2'	0.2	BDL	0.2
		2'-4'	0.2	BDL	0.2
		4'-6'	78.0	46.0	32.0
		6'-8'	13.0	2.6	10.4
SB-22	3/19/97	0'-2'	6.0	3.0	3.0
		2'-4'	200.0	80.0	120.0
		4'-6'	440.0	140.0	300.0
		6'-8'	140.0	67.0	73.0
SB-23	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	2.6	0.8	1.8
		6'-8'	7.4	5.8	1.6
SB-24	3/19/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	260.0	190.0	70.0
		6'-8'	> 1,000	640.0	>360
SB-25	3/27/97	0'-2'	1.6	0.9	0.7
		2'-4'	0.7	BDL	0.7
		4'-6'	0.4	BDL	0.4
		6'-8'	BDL	BDL	BDL
SB-26	3/27/97	0'-2'	0.2	BDL	0.2
		2'-4'	0.2	BDL	0.2
		4'-6'	0.3	BDL	0.3
		6'-8'	NS	NS	NS
SB-27	3/27/97	0'-2'	0.8	BDL	0.8
		2'-4'	0.9	0.5	0.4
		4'-6'	0.6	0.2	0.4
		6'-8'	NS	NS	NS
SB-28	4/2/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-29	4/2/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS
SB-30	4/2/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	BDL	BDL	BDL
		6'-8'	NS	NS	NS

TABLE 1 Continued

Soil Sample OVA Screening Summary
East Coast Asphalt, Plant II
3300 SW 11th Street, Deerfield Beach, Florida
Project No. 3447.1701

Sample Identification	Sample Identification	Depth Sampled	OVA without Carbon Filter	OVA with Carbon Filter	OVA Results Hydrocarbons Only
SB-31	4/2/97	0'-2'	100.0	BDL	100.0
		2'-4'	NS	NS	NS
		4'-6'	NS	NS	NS
		6'-8'	NS	NS	NS
SB-32	4/2/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	180.0	60.0	100.0
		6'-8'	NS	NS	NS
SB-33	4/2/97	0'-2'	BDL	BDL	BDL
		2'-4'	BDL	BDL	BDL
		4'-6'	NS	NS	NS
		6'-8'	NS	NS	NS

NOTES:

All results in ppm.

ND - below detection limit.

NS - Not sampled.

See Figure 1 for soil boring locations.

Approximate water table elevation is 4.5 feet.

TABLE 2

**Groundwater Quality Summary
(EPA Method 610)**

East Coast Asphalt, Plant II
3300 SW 11th Street, Deerfield Beach, Florida
Project No. 3447.1701

Sample Identification	Date Sampled	Acenaphthene	Fluorene	Naphthalene	Phenanthrene	Total PAH
TMW-17	20-Mar-97	3.4	7.3	5.1	6.1	21.9
TMW-18	20-Mar-97	BDL	BDL	BDL	BDL	BDL
TMW-19	20-Mar-97	BDL	22.3	46.7	32.1	101.1
TMW-20	20-Mar-97	BDL	BDL	BDL	BDL	BDL
TMW-21	27-Mar-97	BDL	BDL	BDL	BDL	BDL
FDEP Guidance* Concentration	NA	20.0	280.0	6.8	10.0	NA

NOTES:

All results in ppb (ug/l). All values rounded to the nearest integer.

Total PAH - sum of all detected EPA Method 610 compounds.

BDL - below detection limit.

NA - Not applicable.

* FDEP Guidance Concentrations, June 1994



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

1/24/2018

Certified Mail #:9414810898765004558615

2 FOR 2 LLC
3300 SW 11 ST
DEERFIELD BEACH, FL 33442

Subject: Request for Site Access Agreement

EAST COAST ASPHALT CORP
3300 SW 11TH ST
DEERFIELD BEACH, BROWARD COUNTY
FDEP Facility ID#6 8944925
Eligible Discharge Date: 8/31/1989 (PCPP)
Priority Score: 25

Dear Property Owner:

Your property has been identified as a site affected by petroleum contamination that is eligible to receive State funds for assessment and remediation. On 11/13/2017 and 12/18/2017, the Florida Department of Environmental Protection (Department) sent you letters requesting that you sign and return a Site Access Agreement (Agreement) for the above referenced property. As of 1/24/2018, a response to these letters has not been received by the Department.

An executed Site Access Agreement is an eligibility requirement to participate in the State-funded Petroleum Restoration Program and is necessary for the Department assess and address any potential risk of contamination on your property. Should you fail to execute and return the Agreement to the Department within **14** calendar days of the date of this letter, the Department may begin the process of revoking your eligibility in the program. If such eligibility is revoked, the total cost to cleanup your property will become your responsibility.

For information regarding the Petroleum Restoration Program, please find a list of Frequently Asked Questions attached to this letter. Additional information is also posted on our website at <https://floridadep.gov/waste/petroleum-restoration>

2 FOR 2 LLC
FDEP Facility ID# 8944925
Page 2 of 2
[1/24/2018](#)

If you have any questions, please contact Alan Sakole at 850-671-6362.

Sincerely,



Alan Sakole
Environmental Supervisor
York Risk Services Group, Inc.
Administrative Services Contractor
Alan.Sakole@yorkrsg.com

Enclosure: Site Access Agreement
 Instructions for Completion of Site Access Agreement

INSTRUCTIONS FOR COMPLETION OF SITE ACCESS AGREEMENT

This agreement is required to allow FDEP and the Agency Term Contractor (ATC) personnel to enter your property to perform remediation services. Upon issuance of a Closure Order, your site will be restored as nearly as practical to the conditions which existed before the activities, and the access agreement shall be terminated.

The Agreement includes 21 standard paragraphs. Alteration may not be made directly on the original agreement. In addition, there are four questions concerning owner access preference that must be answered by checking the corresponding boxes. Any additional requirements or agreements may not result in the FDEP incurring additional expenses. Please see the instructions following each question for more information.

A. Are additional requirements attached to this agreement? Note: Additional requests must be on a separate page titled Exhibit B and include the facility ID#, owner signature and date on the page.

Some property owners require additional access conditions, such as those mandated in the *Jessica Lundsford Act* for school properties, or have specific requirements regarding notification of work. Additional requirements may be requested on a separate signed and dated page to this agreement, to be titled Exhibit B. Such requests are subject to evaluation and approval by the Department. You will be informed if the Department cannot accept your request. Any changes or alterations to the standard access agreement must be made in Exhibit B, and not on the original agreement.

B. Do you wish to participate or provide input with respect to rehabilitation of this facility?

If you wish to be in close communication with the ATC and receive notifications of work, copies of reports and recommendations for the site, select "yes" for this option. If you prefer to be hands off and let the ATC conduct all work as directed by the FDEP, please select "no."

C. Do you wish to exercise the option to reject one Agency Term Contractor prior to assignment of work?

As required by legislation outlined in Chapter 62-772 Florida Administrative Code, FDEP will use a competitive procurement process to select an ATC to conduct the assessment/remediation activities. Checking "yes" for the above option allows you to be informed by FDEP which ATC is selected before they are authorized to initiate activities, and reject one selected ATC, if you so choose.

D. Do you want the Contractor to contact you to obtain a separate site access agreement? Note: Additional site access agreements between the owner and ATC must be completed within ninety (90) calendar days.

If "yes" is selected, you will be contacted by the ATC to discuss the terms of your additional site access agreement prior to beginning any work at your site. The State of Florida does not review or give advice regarding these separate agreements. If you choose to do this, the separate access agreement cannot contradict, and must be subservient to, the agreement between the owner and the FDEP.



Petroleum Restoration Program SITE ACCESS AGREEMENT

1. The Parties. The undersigned real property owner, 2 FOR 2 LLC ("**Owner**"), hereby give(s) permission to the State of Florida, Department of Environmental Protection (FDEP) ("**Department**") and its Contractor, subcontractors, and vendors ("**Contractor**"), to enter the Owner's property ("the Property") 3300 SW 11TH ST, DEERFIELD BEACH 33442 with FDEP Facility ID# 8944925.

2. The Property. Owner owns the certain parcel(s) 484210020500 of real property located at 3300 SW 11TH ST, DEERFIELD BEACH, BROWARD COUNTY, FLORIDA 33442 (the "**Property**"), depicted on the attached legal description as Exhibit "A."

3. Permissible Activities. This Site Access Agreement ("Agreement") is limited to activities which may be performed by the Department or its Contractors pursuant to Chapter 62-780, Florida Administrative Code (F.A.C.), without cost to the Owner (unless required in a separate agreement) to locate contamination, determine contamination levels and, when necessary, remove and remediate contamination which may be performed by the Department and its Contractor. This access is provided only for the contamination either eligible for a state-funded cleanup or is being investigated pursuant to a consent order with the Department. The following activities are included in this Agreement but are not limited to this list:

- conduct soil, surface, subsurface, and groundwater investigations, including but not limited to entry by a drill rig vehicle and/or support vehicles;
- install and remove groundwater monitoring wells;
- use geophysical equipment;
- use an auger for collecting soil and sediment samples;
- locate existing wells;
- collect waste, soil, and water samples;
- remove, treat and/or dispose of contaminated soils and water;
- remove contaminated soil by digging with backhoes, large diameter augers and similar equipment;
- install, operate, and remove remedial equipment;
- install and remove utility connections;
- trenching for connection of remediation wells to equipment; and
- conduct surveys, prepare site sketches, and take photographs.

4. Duration and Termination of Access. This Agreement is granted, without any fee or charge to the Department or Contractor, for so long as is necessary to assess, remove, monitor and remediate the contamination on the Property. Access shall be allowed for the Department (including its employees and contracted site managers with Teams 5 and 6 or local government, if applicable) immediately upon the execution of this Agreement. However,

access for a Contractor can be contingent upon the Owner timely entering into a separate site access agreement with the Contractor (if the Owner wants a separate agreement with the Contractor please check the appropriate box at the end of this document). Such agreement with a Contractor is not binding upon the Department. This Agreement shall continue until the Department's entry of a site rehabilitation completion order pursuant to Rule 62-780.680, Florida Administrative Code, or low-scored site initiative no further action order pursuant to Section 376.3071(12)(b), Florida Statutes ("Order"). At which time the Owner shall be provided a copy of the Order and this Agreement shall be automatically terminated.

5. Work Performed during Business Hours. The Department and Contractor may enter the Property during normal business hours and may also make arrangements to enter the Property at other times after agreement from the Owner.

6. Activities Comply with Applicable Laws. The Department and Contractor agree that any and all work performed on the Property and in association with this Agreement shall be done in a good, safe, workmanlike manner, and in accordance with applicable federal and state statutes, rules and regulations.

7. Proper Disposal of Contaminated Media. The Department and Contractor shall ensure that soil cuttings, any work materials, and water generated shall be disposed of in accordance with Environmental Laws. All soil cuttings, waste materials and development water generated shall be promptly removed from the Property.

8. Property Restoration. The Department shall pay the reasonable costs of restoring the Property as nearly as practicable to the conditions which existed before activities associated with contamination assessment or remedial action were taken.

9. Owner's Non-Interference. The Owner shall not interfere with the Department or Contractor when performing the Permissible Activities. Owner shall not damage any equipment including wells, piping, and remediation system that may be located on the Property. Owner shall notify the Department 90 days prior to commencement of any construction, demolition or other work on the Property that may damage or destroy any part of the equipment installed under this Agreement. If the Department anticipates that the remediation equipment will not be used for over one calendar year, the Owner can request removal of the remediation equipment if it is interfering with the operation of the business or with planned construction activities.

10. Non-revocable. If Property is the source of the discharge that is eligible for State funded remediation pursuant to Chapter 376, Florida Statutes, access to the Property is required and Owner may not revoke this Agreement with the Department until the appropriate site rehabilitation completion order is issued under Chapter 62-780.680 or a low-scored site initiative order issued pursuant to Section 376.3071(12)(b), Florida Statutes, is final.

11. No Admission. The granting of this Agreement by the Owner is not intended, nor should it be construed, as an admission of liability on the part of the Owner for any contamination discovered on the Property.

12. Owner's Use of Property. The Owner retains the right to use the Property, and the Department and its Contractors will work with the Owner regarding minimizing activities that may interfere with the Owner's management and use of the Property. However, neither the Department nor the Contractor are responsible for any inconvenience, economic injury, or business damage that Owner may suffer due to the performance of any Permissible Activity. This agreement does not modify any legal right the parties may have regarding negligent acts.

13. Owner's Release of Claim. If Owner selected a qualified contractor (not an agency term contractor), the Owner hereby releases the Department from any and all claims against the Department performed by the Owner's selected contractor arising from or by virtue of, the Permissible Activities.

14. Injury to Department. The Owner shall not be liable for any injury, damage or loss on the Property suffered by the Department, Department employees or Contractors not caused by the negligence or intentional acts of the Owner's agents or employees.

15. Indemnification. The Department does not indemnify the Owner, see paragraph 16. The Contractor has indemnified the Department. However, if the Owner chooses to enter into a separate access agreement with the Contractor, the Contractor is not prohibited from indemnifying Owner as long as such indemnification does not conflict with the Contractor's indemnification of the Department. Where no conflicts exist, any subsequent indemnification by the Contractor to any party associated with the Permissible Activities is subservient and subordinate to the Contractor's indemnification of the Department.

16. Sovereign Immunity. The Department acknowledges and accepts its responsibility under applicable law (Section 768.28, Florida Statutes) for damages caused by the acts of its employees while on the Property.

17. Public Records. All documents created or received associated with the Permissible activities are a public record pursuant to Chapter 119, Florida Statutes. The Owner may retrieve any documents or other information related to the Permissible Activities online using the facility number reference above.

<http://depedsms.dep.state.fl.us/Oculus/servlet/login?action=login>

18. Entire Agreement. This Agreement shall constitute the entire agreement between the Department and the Owner regarding this grant of access to the Department as stated herein. No modification, amendment or waiver of the terms and conditions of this Agreement shall be binding upon Department unless approved in writing by an authorized representative of Owner and Department

19. Governing Law and Venue. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. Venue for any action or proceeding arising from or relating to this Agreement shall be in the appropriate Florida court having jurisdiction located in Leon County, Florida.

20. Severability. Any provision of this Agreement that is prohibited or unenforceable shall be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof.

21. No Third Party Beneficiaries. This Agreement is solely for the benefit of the parties hereto and their respective successors and assigns and shall not be deemed to confer upon third parties any remedy, claim, liability, or reimbursement, claim of action or other right.

A. Are additional requirements attached to this agreement? Note: Additional requirements must be on a separate page titled Exhibit B and include the facility ID#, owner signature and date on the page.

YES NO

B. Do you wish to participate or provide input with respect to rehabilitation of this facility?

YES NO

C. Do you wish to exercise the option to reject one Contractor prior to assignment of work?

YES NO

D. Do you want the Contractor to contact you to obtain a separate site access agreement? Note: Additional site access agreements must be completed between the owner and Contractor within ninety (90) calendar days.

YES NO

Signature of each Property Owner

Signature of Witness

Print Name

Date

Print Name

Date

Property Owner Mailing Address

Property Owner Telephone or Cell Phone Number

Property Owner E-mail Address

Accepted by the State of Florida Department of Environmental Protection:

Austin Hofmeister
Program Administrator
Petroleum Restoration Program

Signature of Witness

Date

Print Name

Date

Attachments: Exhibit A- Legal description of the Property. FDEP
Coordinates (Degrees⁰ Minutes' Seconds") for Facility Id.#: 8944925

Latitude 26⁰ 17' 33.0000"

Longitude 80⁰ 8' 45.0000"

Exhibit A

Short Legal Description: POWERLINE INDUSTRIAL PARK 44-11 B LOTS 11 & 12
TOGETHER WITH W1/2 OF PT OF VAC'D 32 WAY LYING E OF & ADJ TO SAID LOTS
BLK 9

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 20 AND ABOVE

What is the Petroleum Restoration Program?

The Department of Environmental Protection (DEP) Petroleum Restoration Program (PRP) includes the technical oversight, management, and administration of the assessment and cleanup of sites contaminated by discharges of petroleum and petroleum products from stationary petroleum storage systems. Sites that are eligible for cleanup by the State will be done in priority order based on risk using qualified contractors.

What facility or site is this letter referring to?

For facility specific information please visit the Contamination Locator Map:

1. Go to the PRP main page at: <https://floridadep.gov/waste/petroleum-restoration>
2. Click on the CLM-Contamination Locator Map link under “Areas of Interest.”
3. Select “Petroleum” from the search criteria, select “Continue.”
4. Search for the site using an address, a 5-digit zip code or a city.

Is this site access agreement required?

Yes, access to the site, through an executed site access agreement, is required in order to be eligible for all funding assistance and is necessary for the site to be assessed.

Who will be do the work on my property?

The State has competitively procured qualified cleanup contractors through Agency Term Contracts. One of our Agency Term Contractors (ATCs) will be selected for your site. You will be notified of the selected ATC and have the option to evaluate and reject the ATC prior to work assignment if you are not satisfied with the selection.

Will the site assessment or remediation work impact my business?

Contractors are required to communicate with the owner or operator on the property and provide notification prior to any field work. In addition, the PRP site manager will also communicate with you or your designee to ensure the best communication is made. All sites will be returned to their original condition that existed.

What if I there is an issue with the work conducted at my site?

Once you sign the site access agreement, you will be assigned a PRP site manager. The site manager is responsible for overseeing all of the technical and administrative aspects of the site cleanup. Your assigned site manager will be contacting you upon site assignment and during site activities, and following assessment. You will have an

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 20 AND ABOVE

opportunity to rate the ATC that works on your site. Feel free to contact your assigned site manager with any questions you may have throughout the process.

How long will it be before something is done on my site after access is granted?

Once the signed site access agreement is received by the Department, a site manager will be assigned to your site. The assigned site manager will then contact you within 30 days to discuss the next steps and will be able to answer any questions you have about the program.



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

12/18/2017

2 FOR 2 LLC
3300 SW 11 ST
DEERFIELD BEACH, FL 33442

Subject: Request for Site Access Agreement

EAST COAST ASPHALT CORP
3300 SW 11TH ST
DEERFIELD BEACH, BROWARD COUNTY
FDEP Facility ID#6 8944925
Eligible Discharge Date: 8/31/1989 (PCPP)
Priority Score: 25

Dear Property Owner:

Your property has been identified as a site affected by petroleum contamination that is eligible to receive State funds for assessment and remediation. On 11/13/2017, the Florida Department of Environmental Protection (Department) sent you a letter requesting that you sign and return a Site Access Agreement (Agreement) for the above referenced property. As of 12/18/2017, a response to this letter has not been received by the Department.

An executed Site Access Agreement is an eligibility requirement to participate in the State-funded Petroleum Restoration Program and is necessary for the Department assess and address any potential risk of contamination on your property. Should you fail to execute and return the Agreement to the Department within **14** calendar days of the date of this letter, the Department may begin the process of revoking your eligibility in the program. If such eligibility is revoked, the total cost to cleanup your property will become your responsibility.

For information regarding the Petroleum Restoration Program, please find a list of Frequently Asked Questions attached to this letter. Additional information is also posted on our website at <https://floridadep.gov/waste/petroleum-restoration>

2 FOR 2 LLC
FDEP Facility ID# 8944925
Page 2 of 2
[12/18/2017](#)

If you have any questions, please contact Alan Sakole at 850-671-6362.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Sakole', with a long horizontal flourish extending to the right.

Alan Sakole
Environmental Supervisor
York Risk Services Group, Inc.
Administrative Services Contractor
Alan.Sakole@yorkrsg.com

Enclosure: Site Access Agreement
 Instructions for Completion of Site Access Agreement

INSTRUCTIONS FOR COMPLETION OF SITE ACCESS AGREEMENT

This agreement is required to allow FDEP and the Agency Term Contractor (ATC) personnel to enter your property to perform remediation services. Upon issuance of a Closure Order, your site will be restored as nearly as practical to the conditions which existed before the activities, and the access agreement shall be terminated.

The Agreement includes 21 standard paragraphs. Alteration may not be made directly on the original agreement. In addition, there are four questions concerning owner access preference that must be answered by checking the corresponding boxes. Any additional requirements or agreements may not result in the FDEP incurring additional expenses. Please see the instructions following each question for more information.

A. Are additional requirements attached to this agreement? Note: Additional requests must be on a separate page titled Exhibit B and include the facility ID#, owner signature and date on the page.

Some property owners require additional access conditions, such as those mandated in the *Jessica Lundsford Act* for school properties, or have specific requirements regarding notification of work. Additional requirements may be requested on a separate signed and dated page to this agreement, to be titled Exhibit B. Such requests are subject to evaluation and approval by the Department. You will be informed if the Department cannot accept your request. Any changes or alterations to the standard access agreement must be made in Exhibit B, and not on the original agreement.

B. Do you wish to participate or provide input with respect to rehabilitation of this facility?

If you wish to be in close communication with the ATC and receive notifications of work, copies of reports and recommendations for the site, select "yes" for this option. If you prefer to be hands off and let the ATC conduct all work as directed by the FDEP, please select "no."

C. Do you wish to exercise the option to reject one Agency Term Contractor prior to assignment of work?

As required by legislation outlined in Chapter 62-772 Florida Administrative Code, FDEP will use a competitive procurement process to select an ATC to conduct the assessment/remediation activities. Checking "yes" for the above option allows you to be informed by FDEP which ATC is selected before they are authorized to initiate activities, and reject one selected ATC, if you so choose.

D. Do you want the Contractor to contact you to obtain a separate site access agreement? Note: Additional site access agreements between the owner and ATC must be completed within ninety (90) calendar days.

If "yes" is selected, you will be contacted by the ATC to discuss the terms of your additional site access agreement prior to beginning any work at your site. The State of Florida does not review or give advice regarding these separate agreements. If you choose to do this, the separate access agreement cannot contradict, and must be subservient to, the agreement between the owner and the FDEP.



Petroleum Restoration Program SITE ACCESS AGREEMENT

1. The Parties. The undersigned real property owner, 2 FOR 2 LLC ("**Owner**"), hereby give(s) permission to the State of Florida, Department of Environmental Protection (FDEP) ("**Department**") and its Contractor, subcontractors, and vendors ("**Contractor**"), to enter the Owner's property ("the Property") 3300 SW 11TH ST, DEERFIELD BEACH 33442 with FDEP Facility ID# 8944925.

2. The Property. Owner owns the certain parcel(s) 484210020500 of real property located at 3300 SW 11TH ST, DEERFIELD BEACH, BROWARD COUNTY, FLORIDA 33442 (the "**Property**"), depicted on the attached legal description as Exhibit "A."

3. Permissible Activities. This Site Access Agreement ("Agreement") is limited to activities which may be performed by the Department or its Contractors pursuant to Chapter 62-780, Florida Administrative Code (F.A.C.), without cost to the Owner (unless required in a separate agreement) to locate contamination, determine contamination levels and, when necessary, remove and remediate contamination which may be performed by the Department and its Contractor. This access is provided only for the contamination either eligible for a state-funded cleanup or is being investigated pursuant to a consent order with the Department. The following activities are included in this Agreement but are not limited to this list:

- conduct soil, surface, subsurface, and groundwater investigations, including but not limited to entry by a drill rig vehicle and/or support vehicles;
- install and remove groundwater monitoring wells;
- use geophysical equipment;
- use an auger for collecting soil and sediment samples;
- locate existing wells;
- collect waste, soil, and water samples;
- remove, treat and/or dispose of contaminated soils and water;
- remove contaminated soil by digging with backhoes, large diameter augers and similar equipment;
- install, operate, and remove remedial equipment;
- install and remove utility connections;
- trenching for connection of remediation wells to equipment; and
- conduct surveys, prepare site sketches, and take photographs.

4. Duration and Termination of Access. This Agreement is granted, without any fee or charge to the Department or Contractor, for so long as is necessary to assess, remove, monitor and remediate the contamination on the Property. Access shall be allowed for the Department (including its employees and contracted site managers with Teams 5 and 6 or local government, if applicable) immediately upon the execution of this Agreement. However,

access for a Contractor can be contingent upon the Owner timely entering into a separate site access agreement with the Contractor (if the Owner wants a separate agreement with the Contractor please check the appropriate box at the end of this document). Such agreement with a Contractor is not binding upon the Department. This Agreement shall continue until the Department's entry of a site rehabilitation completion order pursuant to Rule 62-780.680, Florida Administrative Code, or low-scored site initiative no further action order pursuant to Section 376.3071(12)(b), Florida Statutes ("Order"). At which time the Owner shall be provided a copy of the Order and this Agreement shall be automatically terminated.

5. Work Performed during Business Hours. The Department and Contractor may enter the Property during normal business hours and may also make arrangements to enter the Property at other times after agreement from the Owner.

6. Activities Comply with Applicable Laws. The Department and Contractor agree that any and all work performed on the Property and in association with this Agreement shall be done in a good, safe, workmanlike manner, and in accordance with applicable federal and state statutes, rules and regulations.

7. Proper Disposal of Contaminated Media. The Department and Contractor shall ensure that soil cuttings, any work materials, and water generated shall be disposed of in accordance with Environmental Laws. All soil cuttings, waste materials and development water generated shall be promptly removed from the Property.

8. Property Restoration. The Department shall pay the reasonable costs of restoring the Property as nearly as practicable to the conditions which existed before activities associated with contamination assessment or remedial action were taken.

9. Owner's Non-Interference. The Owner shall not interfere with the Department or Contractor when performing the Permissible Activities. Owner shall not damage any equipment including wells, piping, and remediation system that may be located on the Property. Owner shall notify the Department 90 days prior to commencement of any construction, demolition or other work on the Property that may damage or destroy any part of the equipment installed under this Agreement. If the Department anticipates that the remediation equipment will not be used for over one calendar year, the Owner can request removal of the remediation equipment if it is interfering with the operation of the business or with planned construction activities.

10. Non-revocable. If Property is the source of the discharge that is eligible for State funded remediation pursuant to Chapter 376, Florida Statutes, access to the Property is required and Owner may not revoke this Agreement with the Department until the appropriate site rehabilitation completion order is issued under Chapter 62-780.680 or a low-scored site initiative order issued pursuant to Section 376.3071(12)(b), Florida Statutes, is final.

11. No Admission. The granting of this Agreement by the Owner is not intended, nor should it be construed, as an admission of liability on the part of the Owner for any contamination discovered on the Property.

12. Owner's Use of Property. The Owner retains the right to use the Property, and the Department and its Contractors will work with the Owner regarding minimizing activities that may interfere with the Owner's management and use of the Property. However, neither the Department nor the Contractor are responsible for any inconvenience, economic injury, or business damage that Owner may suffer due to the performance of any Permissible Activity. This agreement does not modify any legal right the parties may have regarding negligent acts.

13. Owner's Release of Claim. If Owner selected a qualified contractor (not an agency term contractor), the Owner hereby releases the Department from any and all claims against the Department performed by the Owner's selected contractor arising from or by virtue of, the Permissible Activities.

14. Injury to Department. The Owner shall not be liable for any injury, damage or loss on the Property suffered by the Department, Department employees or Contractors not caused by the negligence or intentional acts of the Owner's agents or employees.

15. Indemnification. The Department does not indemnify the Owner, see paragraph 16. The Contractor has indemnified the Department. However, if the Owner chooses to enter into a separate access agreement with the Contractor, the Contractor is not prohibited from indemnifying Owner as long as such indemnification does not conflict with the Contractor's indemnification of the Department. Where no conflicts exist, any subsequent indemnification by the Contractor to any party associated with the Permissible Activities is subservient and subordinate to the Contractor's indemnification of the Department.

16. Sovereign Immunity. The Department acknowledges and accepts its responsibility under applicable law (Section 768.28, Florida Statutes) for damages caused by the acts of its employees while on the Property.

17. Public Records. All documents created or received associated with the Permissible activities are a public record pursuant to Chapter 119, Florida Statutes. The Owner may retrieve any documents or other information related to the Permissible Activities online using the facility number reference above.

<http://depdms.dep.state.fl.us/Oculus/servlet/login?action=login>

18. Entire Agreement. This Agreement shall constitute the entire agreement between the Department and the Owner regarding this grant of access to the Department as stated herein. No modification, amendment or waiver of the terms and conditions of this Agreement shall be binding upon Department unless approved in writing by an authorized representative of Owner and Department

19. Governing Law and Venue. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. Venue for any action or proceeding arising from or relating to this Agreement shall be in the appropriate Florida court having jurisdiction located in Leon County, Florida.

20. Severability. Any provision of this Agreement that is prohibited or unenforceable shall be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof.

21. No Third Party Beneficiaries. This Agreement is solely for the benefit of the parties hereto and their respective successors and assigns and shall not be deemed to confer upon third parties any remedy, claim, liability, or reimbursement, claim of action or other right.

A. Are additional requirements attached to this agreement? Note: Additional requirements must be on a separate page titled Exhibit B and include the facility ID#, owner signature and date on the page.

YES NO

B. Do you wish to participate or provide input with respect to rehabilitation of this facility?

YES NO

C. Do you wish to exercise the option to reject one Contractor prior to assignment of work?

YES NO

D. Do you want the Contractor to contact you to obtain a separate site access agreement? Note: Additional site access agreements must be completed between the owner and Contractor within ninety (90) calendar days.

YES NO

Signature of each Property Owner

Signature of Witness

Print Name

Date

Print Name

Date

Property Owner Mailing Address

Property Owner Telephone or Cell Phone Number

Property Owner E-mail Address

Accepted by the State of Florida Department of Environmental Protection:

Austin Hofmeister
Program Administrator
Petroleum Restoration Program

Signature of Witness

Date

Print Name

Date

Attachments: Exhibit A- Legal description of the Property. FDEP
Coordinates (Degrees⁰ Minutes' Seconds") for Facility Id.#: 8944925

Latitude 26⁰ 17' 33.0000"

Longitude 80⁰ 8' 45.0000"

Exhibit A

Short Legal Description: POWERLINE INDUSTRIAL PARK 44-11 B LOTS 11 & 12
TOGETHER WITH W1/2 OF PT OF VAC'D 32 WAY LYING E OF & ADJ TO SAID LOTS
BLK 9

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 20 AND ABOVE

What is the Petroleum Restoration Program?

The Department of Environmental Protection (DEP) Petroleum Restoration Program (PRP) includes the technical oversight, management, and administration of the assessment and cleanup of sites contaminated by discharges of petroleum and petroleum products from stationary petroleum storage systems. Sites that are eligible for cleanup by the State will be done in priority order based on risk using qualified contractors.

What facility or site is this letter referring to?

For facility specific information please visit the Contamination Locator Map:

1. Go to the PRP main page at: <https://floridadep.gov/waste/petroleum-restoration>
2. Click on the CLM-Contamination Locator Map link under “Areas of Interest.”
3. Select “Petroleum” from the search criteria, select “Continue.”
4. Search for the site using an address, a 5-digit zip code or a city.

Is this site access agreement required?

Yes, access to the site, through an executed site access agreement, is required in order to be eligible for all funding assistance and is necessary for the site to be assessed.

Who will be do the work on my property?

The State has competitively procured qualified cleanup contractors through Agency Term Contracts. One of our Agency Term Contractors (ATCs) will be selected for your site. You will be notified of the selected ATC and have the option to evaluate and reject the ATC prior to work assignment if you are not satisfied with the selection.

Will the site assessment or remediation work impact my business?

Contractors are required to communicate with the owner or operator on the property and provide notification prior to any field work. In addition, the PRP site manager will also communicate with you or your designee to ensure the best communication is made. All sites will be returned to their original condition that existed.

What if I there is an issue with the work conducted at my site?

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FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 20 AND ABOVE

opportunity to rate the ATC that works on your site. Feel free to contact your assigned site manager with any questions you may have throughout the process.

How long will it be before something is done on my site after access is granted?

Once the signed site access agreement is received by the Department, a site manager will be assigned to your site. The assigned site manager will then contact you within 30 days to discuss the next steps and will be able to answer any questions you have about the program.

SITE 14
KRAFT DANA JKG

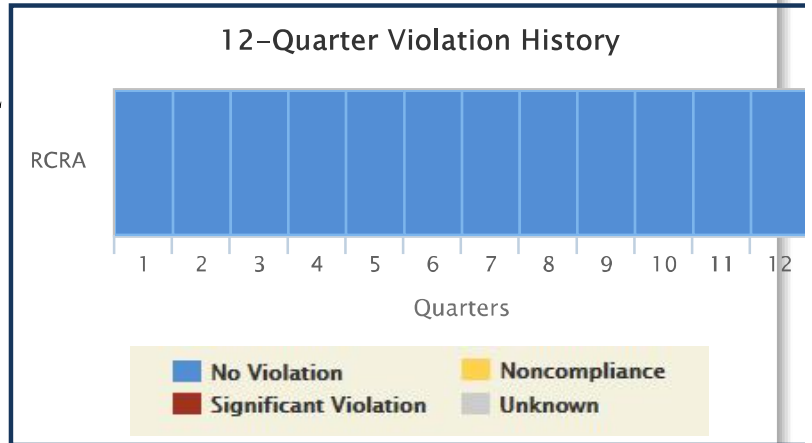


Detailed Facility Report

Facility Summary

JKG GROUP INC
740 S POWERLINE RD, DEERFIELD BEACH, FL
33442

FRS (Facility Registry Service) ID: 110064385400
 EPA Region: 04
 Latitude: 26.306162
 Longitude: -80.152454
 Locational Data Source: FRS
 Industry: Printing and Related Support Activities
 Indian Country: N



Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs in NC (Non-Compliance) (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
RCRA	-	-	No Violation	0	0	--	-	-	-	-

Regulatory Information

Clean Air Act (CAA): No Information
 Clean Water Act (CWA): No Information
 Resource Conservation and Recovery Act (RCRA): Active (H) SQG (FLR000215046)
 Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
 Greenhouse Gas Emissions (eGGRT): No Information
 Toxic Releases (TRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110064385400					N	26.306162	-80.152454
RCR	RCRA	FLR000215046	SQG	Active (H)			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110064385400	JKG GROUP INC	740 S POWERLINE RD, DEERFIELD BEACH, FL 33442
RCR	RCRA	FLR000215046	JKG GROUP INC	740 S POWERLINE RD, DEERFIELD BEACH, FL 33442-8113

System	Statute	Identifier	Facility Name	Facility Address
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Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Desc
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCR	FLR000215046	323111	Commercial Printing (except Screen and Books)

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
Coconut Creek Trust Land	Seminole Tribe of Florida	100000266	3.47
Hollywood Reservation	Seminole Tribe of Florida	100000266	17.74
Seminole (FL) Trust Land	Seminole Tribe of Florida	100000266	14.26

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
No data records returned						

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Non-compliance)/HVP (High Priority Violation)	Description	Current As Of	Qtrs in NC (Non-Compliance) (of 12)
RCRA	FLR000215046	No		10/09/2017	0

Three Year Compliance Status by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
RCRA (Source ID: FLR000215046)		10/01-12/31/14	01/01-03/31/15	04/01-06/30/15	07/01-09/30/15	10/01-12/31/15	01/01-03/31/16	04/01-06/30/16	07/01-09/30/16	10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17
RCRA	Facility-Level Status												

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records returned						

ICIS (Integrated Compliance Information System) Case History (5 years)

Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
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Primary Law/Section	Case No.	Case Type	Lead Agency	Case Name	Issued/Filed Date	Latest Settlement Entered Date	Number of Settlements	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
No data records returned											

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD) (Reach Address Database)	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD) (Reach Address Database)	State Waterbody Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned									

Waterbody Designated Uses

Reach Code	Waterbody Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
No data records returned							

Air Quality

Non-Attainment Area?	Pollutant(s)	Applicable Non-Attainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site ⁱ

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Releases
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ⁱ

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Land Area:	95%	Households in Area:	49,666
Center Latitude:	26.306162	Water Area:	5%	Housing Units in Area:	60,070
Center Longitude:	-80.152454	Population Density:	4,294/sq.mi.	Households on Public Assistance:	560
Total Persons:	115,668	Percent Minority:	41%	Persons Below Poverty Level:	35,263

Race Breakdown	Persons (%)	Age Breakdown	Persons (%)
White:	82,531 (71%)	Child 5 years and younger:	6,620 (6%)
African-American:	21,666 (19%)	Minors 17 years and younger:	23,097 (20%)
Hispanic-Origin:	20,158 (17%)	Adults 18 years and older:	92,571 (80%)
Asian/Pacific Islander:	2,990 (3%)	Seniors 65 years and older:	23,151 (20%)
American Indian:	211 (0%)		
Other/Multiracial:	8,271 (7%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown	Households (%)
Less than 9th Grade:	3,986 (4.87%)	Less than \$15,000:	6,470 (13.65%)
9th through 12th Grade:	6,271 (7.66%)	\$15,000 - \$25,000:	5,952 (12.56%)
High School Diploma:	25,564 (31.22%)	\$25,000 - \$50,000:	12,336 (26.03%)
Some College/2-yr:	22,413 (27.37%)	\$50,000 - \$75,000:	9,144 (19.29%)
B.S./B.A. or More:	23,649 (28.88%)	Greater than \$75,000:	13,495 (28.47%)

SITE 16
MAN-CON



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
Division of Waste Management
Petroleum Storage Systems
Storage Tank Facility Annual Compliance Site Inspection Report

Facility Information:

Facility ID: 9401000 County: BROWARD Inspection Date: 07/26/2016
Facility Type: C - Fuel user/Non-retail
Facility Name: MAN-CON INC # of Inspected ASTs: 1
3460 SW 11TH ST USTs: 0
DEERFIELD BEACH, FL 33442 Mineral Acid Tanks: 0
Latitude: 26° 18' 7.5266"
Longitude: 80° 9' 5.5867"
LL Method: DPHO

Inspection Result:

Result: In Compliance

Also Performed:

Financial Responsibility:

Financial Responsibility: INSURANCE
Insurance Carrier: CONTINENTAL CASUALTY COMPANY
Effective Date: 07/31/2015 Expiration Date: 07/31/2017

Findings:

Signatures:

TKBWNR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT

Storage Tank Program Office

(954) 519-1259

Storage Tank Program Office Phone Number

Facility ID: 9401000

Clearvens C JeanBaptiste

Maria Palkovics (mariap@mancon.ws)

INSPECTOR NAME

REPRESENTATIVE NAME



INSPECTOR SIGNATURE

REPRESENTATIVE SIGNATURE

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 15, 2018. For further information please visit: http://www.dep.state.fl.us/waste/categories/tanks/pages/op_train.htm

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Monthly Maint. Visual Examinations and Results	01/31/2014	06/30/2016	.
Life Time	Written Release Detection Response Level Info	07/26/2016	07/26/2016	.

Site Visit Comments

07/26/2016

Reviewed cover page.

Reviewed site diagram

Verified Coordinates

County license is current and available

07/01/2015-06/30/2017

FDEP placard is current and available

06/15/2016-06/30/2017

Certificate of Financial Responsibility (CFR) Insurance is current

07/31/2015-07/31/2017 continental

Monthly visual inspection log is maintained

1/31/2014-06/30/2016

Release Detection Response Level (RDRL), in writing is available

Facility ID: 9401000

One-1000g Convault double wall aboveground storage tanks for fueling vehicles

Tank is in good condition and is labeled, no structural rust observed

Nozzles are in good condition.

Tank has a fill port with spill bucket that was dry

No liquid present

The vents are in place.

Tank has a Krueger gauge

The interstitial is checked manually.

No leaks on or around the tank.

Facility in compliance

Report to

Maria Palkovics

mariap@mancon.ws

9544270230

Inspection Photos

Added Date 07/26/2016

tank



Added Date 07/26/2016

fill port



SITE 17
CEN-DEER MANAGEMENT



ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT
ENVIRONMENTAL AND CONSUMER PROTECTION DIVISION
1 North University Drive, Suite 102, Plantation, Florida 33324 ~ Phone 954-519-1260

Hazardous Material Management Facility Inspection Report

Facility Information DEP Number: N/A

POSSE Facility Number: 13642

Name: Nanaks Landscaping

Address: 998 S MILITARY TRL, FL 33442

Lat / Long: Method: AGPS

Sewage: POTW

Wellfield

Wellfield Name	Zone
City of Deerfield Beach West Wellfield	1
City of Deerfield Beach West Wellfield	2
City of Deerfield Beach West Wellfield	3

Work Performed


- Pollution Prevention (P2)
- Hazardous Materials Inspection (HM)
- Hazardous Materials Re-Inspection (HMR)
- Discharge Prevention and Response (DPR)
- SQG Compliance Assistance Visit (CAV)
- Compliance Inspection (TCI)
- Other Type: **Wellfield**

Inspection Results

Based on the inspection results and information provided by the owner/operator, this facility APPEARS TO MEET the requirements of Chapter 27 Articles X (Storage Tanks), XII (Hazardous Material), and XIII (Wellfield Protection) of the Broward County Natural Resource Protection Code and Florida Administrative Code 62-761 (Storage Tank Systems), as applicable. (see following pages for details)

Name of On-site Representative Receiving Inspection Results and Debriefing:

Greg Williams



On-site Representative Signature: _____

Name/Phone Number of Inspector Completing Inspection: Eduardo Koenig (954) 519-1406

Date Inspection Completed: 3/22/2017

Operation Description at Time of Inspection:

Nanaks Landscaping
 Landscaping and lawn care service in Wellfield

Inspector Comments: (Refer to the Violations Found on This Inspection page for violations cited, if any)

County license is current.
 Facility is associated with wellfield Zone 1 and Zone 2.
 Much of the hazardous materials/waste and regulated substances are stored/used generated inside of Zone 2.
 Spill Plan is available.
 MSDS/SDS used/stored in the property are available.
 Property has 2 buildings of concern.
 Building 1 is located in Zone 2.
 The building is used by 3 distinct departments.

1. Irrigation Department:
 Inside a paint booth which is located on the S side of the building.
 Mostly store irrigation materials/equipment (ie. piping and fittings).

2. Fertilizer/Pest Control Department:
 Materials used are found along the SW, NW and W ends of the building.
 Materials consist mainly of granular and liquid fertilizers, herbicides, pesticides etc.
 MSDS for the materials where available.
 Liquid chemicals are in a locked wooden cabinet with a catch basin on the bottom to collect any leaks/spills from the bottles being stored. The chemicals are under lock and key.
 This department also had various fire cabinets where some weed control chemicals (round up) where being stored.
 The bottles where being stored inside plastic buckets as additional spill prevention.
 When asked about the management of the empty chemical containers I was told that buckets where triple rinsed (wash water was discarded inside sprayer to use to treat the property) the empty, clean bucket was punctured and discarded in the trash or collected for future use.
 The proper management of absorbent contaminated with chemicals (pesticides, oil etc) was discussed that should be managed as a hazardous waste.

3. Maintenance Department:
 Materials and waste was found along the SE and NE and E end of the building.
 Materials kept onsite where related to minor preventive maintenance operations.
 Shop kept 4-55gal drums with new motor oil.
 Shop kept 1-55gal and one 100gal drum for collecting used oil.
 Shop kept 2-55gal drums for collecting used oil filters.
 The filters where drained before discarding in the drum.
 All drums are on spill pallet. All drums where labeled properly or labels where provided.
 Shop also has a petroleum based parts washer.
 The drum of the parts washer is inside a containment.
 System is serviced regularly every 6 months.
 Shop has some fire cabinets where partially used automotive fluids (ie. coolant, oil, windshield wiper, hydraulic oil etc) where being stored.
 Shop also has a parts storage area where operator kept new boxes of more specialized fluids (ie. synthetic oils, transmission fluids etc). This area was also used for the storage of aerosol products used in the shop to provide service to the equipment and vehicles (ie. WD 40, carb cleaner and some paint cans). Shop also has a work area where misc. aerosol cans (ie, WD 40, carb cleaner, brake quiet etc) that are in use. Discussed with shop manager about the proper management of mop water if and when the shop floor was cleaned.

Although, I was informed that the mop water was being discarded in the used oil drums, suggested that a separate container be kept (labeled and contained) for the collection of the mop water in order to ensure proper documentation of mop water disposal.

Batteries I was informed are purchased on an as need basis.

Discussed with operator about the proper management of aerosol cans.

Shop has a 55gal drum for collecting contaminated shop rags.

Outside the building (W end) the facility has a fueling area (zone 3).

Have 2-300gal DW AST. One tank is for diesel and the other is for gasoline. There is also a 500gal DW AST also with diesel. This tank appears to have been bent in transport. No visible damaged evident but tank external integrity should be monitor to ensure the tank does not become compromised and causes a spill. Also keeps a 100gal tank with gasoline. The tank is inside a containment and covered. The tanks are inside a berm to allow for containment of any fluid that may leak during fueling. Did notice ample evidence of sloppy fueling and no evidence that the spill was cleaned up. Advised that anytime have any spills should immediately make every attempt to collect any spilled fuel because since the area does not have any cover if it rains the rainwater would mix with the fallen fuel and could negatively impact the ground/property.

The second building at the far E end of the property is inside of Zone 1.

The building is used primarily for the storage of lawn equipment.

Did find one container in storage which had some fuel. Informed that no materials with regulated substances are allowed to be stored/used inside Zone 1.

Towards the far E end of the property are storing emergency generators.

Suggested that may want to store generators on the W side of property (outside wellfield).

No hazardous waste found in dumpster.

Informed manager that the State of Florida prohibits mercury containing devices, such as fluorescent bulbs, from either being land filled or incinerated. Fluorescent bulbs must be properly labeled "used mercury lamps," stored in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Lamps must be disposed of properly to a Florida permitted mercury recovery and reclamation facility.

Agent must be able to provide documentation of proper bulb disposal.

Reviewed site diagram, inventory and aerial.

Report will be sent to shop@nanakslandscaping.com

Distributed Informational Brochures, if Any:



HAZARDOUS MATERIAL MANAGEMENT FACILITY LICENSE

License Number: WHM-13642-17

Applicant:

Deva S. Khalsa, Registered Agent
Nanak's Landscaping, Inc.
998 S. Military Trail
Deerfield Beach, FL 33442

Facility Number: 13642
Nanaks Landscaping
998 S MILITARY TRL
Deerfield Beach, FL 33442

This license is issued under the provisions of Chapter 27 of the Broward County Code of Ordinances hereinafter called the Code. The above-named applicant, hereinafter called Licensee, is hereby authorized to perform the work or operate the facility shown on the approved drawings, plans, documents, and specifications submitted by the Licensee and made a part hereof and described specifically below. The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances. If no objection to this license is received within 14 days, the Licensee will be deemed to have accepted it and all the attached terms and conditions.

ALL GENERAL CONDITIONS and SPECIFIC CONDITIONS, on the back of the license or as attached, are considered to constitute the requirements of this license. The Licensee is required to fully comply with all these conditions. Any failure to comply with conditions or requirements as set forth may result in revocation or suspension of this license and may subject the Licensee to enforcement action in accordance with the provisions of Article 1, Division 4 of the Code.

Nature of Business: Lawn Care Service Provider

Hazardous Waste Stream: Petroleum Products, Solvents, Rags, F-tubes, Pesticide Containers

Well Field: City of Deerfield Beach West Wellfield Z: 1
City of Deerfield Beach West Wellfield Z: 2
City of Deerfield Beach West Wellfield Z: 3

Septic: No

IMPORTANT: THIS LICENSE IS ISSUED ONLY TO THE LICENSEE FOR THE FACILITY ADDRESS IDENTIFIED ABOVE.

IF THE FACILITY MOVES, CLOSES, OR HAS A CHANGE IN LICENSEE OR ACTIVITY, THE LICENSEE MUST:

- Transfer license to a new owner or operator
- Submit written notification thirty (30) days prior to closing the facility
- Properly remove and/or dispose of all hazardous materials when closing a facility
- Submit application for each hazardous material management facility location(s) in Broward County
- Submit application, secure approval, and call (954) 519-1260 for inspection, prior to installing or modifying storage tanks
- Submit application, secure approval, and call (954) 519-1260 for inspection, prior to removing or moving storage tanks
- Properly maintain storage tanks and the associated license until all tanks are properly closed

The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances.

Application Received: Apr 05, 2017
Effective Date: Jun 01, 2017
Expiration Date: May 31, 2019
Issued By: Connie Boden

CONNIE BODEN, ENVIRONMENTAL PROGRAM SUPV.
Phone: 954-519-1405 - Email: cboden@broward.org
ENVIRONMENTAL AND CONSUMER PROTECTION DIVISION
www.broward.org/PollutionPrevention

Renewal Application Due: April 01, 2019

(PLEASE SEE LICENSE CONDITIONS ON THE BACK)

HAZARDOUS MATERIAL MANAGEMENT FACILITY LICENSE

GENERAL CONDITIONS

- (1) The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the Licensee and must be completed by the Licensee and are enforceable by The Environmental Protection and Growth Management Department (THE AGENCY) pursuant to this chapter. THE AGENCY will review this license periodically and may revoke or suspend the license, and initiate administrative and/or judicial action for any violation of the conditions by the Licensee, its agents, employees, servants or representatives.
- (2) The license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation, suspension, and/or enforcement action by THE AGENCY.
- (3) In the event the Licensee is temporarily unable to comply with any of the conditions of the license or with the Code, the Licensee shall notify THE AGENCY within eight (8) hours or as stated in the specific section of the Code. Within three (3) working days of the event, the Licensee shall submit a written report to THE AGENCY that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention regarding the repair, replacement and reconstruction of destroyed facilities and a schedule of events leading toward operating within the license condition.
- (4) The issuance of this license does not convey any vested rights or exclusive privileges, nor does it authorize any injury to the public or private property or any invasion of personal rights, or any violation of federal, state or local laws or regulations.
- (5) This license must be available for inspection on the Licensee's premises during the entire life of the license.
- (6) By accepting this license, the Licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this licensed facility or activity, that are submitted to the County, may be used by the County as evidence in any enforcement proceeding arising under the Code, except where such use is prohibited by section 403.111, Florida Statutes.
- (7) The Licensee agrees to comply and shall comply with all provisions of the most current version of the Code.
- (8) Any new owner or operator of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The transferor shall remain liable for performance in accordance with the license until the transferee applies for and is granted a transfer of license. The transferee shall be liable for any violation of the Code that results from the transferee's activities. The transferee shall comply with the transferor's original license conditions when the transferee has failed to obtain its own license.
- (9) The Licensee, by acceptance of this license, specifically agrees to allow access and shall allow access to the licensed source, activity or facility at times to AGENCY personnel for the purposes of inspection and testing to determine compliance with this license and the Code.
- (10) This license does not constitute a waiver or approval of any other license, approval, or regulatory requirement by this or any other governmental agency that may be required.
- (11) Enforcement of the terms and provisions of this license shall be at the reasonable discretion of THE AGENCY, and any forbearance on behalf of THE AGENCY to exercise its rights hereunder in the event of any breach by the Licensee, shall not be deemed or construed to be a waiver of THE AGENCY's rights hereunder.

SPECIFIC CONDITIONS - STORAGE TANK

- (1) The Licensee or responsible party shall not operate in whole or in part a storage tank system that has been granted AGENCY approval of system modification until the engineer's 'As-builts' or 'Record' drawings along with applicable tightness, pressure or vapor recovery test results are submitted and approved by THE AGENCY.
- (2) The Licensee or responsible party shall notify THE AGENCY at least forty-eight (48) hours prior to the start of a storage tank system upgrading, installation, closure or internal inspection performed in accordance with Section 27-305(a) of the Code. To schedule an inspection, call the Pollution Prevention Division at (954) 519-1260.

WELLFIELD SECTION OF THE HAZARDOUS MATERIAL MANAGEMENT FACILITY LICENSE

SPECIFIC CONDITIONS - WELLFIELD PROTECTION

(1) The licensee shall notify the Environmental Protection and Growth Management Department (Department) of any change in the inventory of regulated substances. An application to modify the license shall also be required prior to the commencement of construction, closure or alteration of any facility subject to these licensing conditions or alteration of the operating procedures at said facility that may cause or be a source of pollution, or that may eliminate, reduce or control pollution of the ground, groundwater or surface water.

(2) Chemicals containing regulated substances are not allowed in Wellfield Protection Zone 1. The following chemicals containing regulated substances have been reported by the licensee or discovered at the facility and are allowed within the workshop in Wellfield Protection Zone 2: Used oil, Used oil filters, Gasoline, Parts washer, Glyphosate, Diquat, Atrazine.

No Washing and pressure cleaning of vehicles or equipment is allowed to be performed within the property.

The licensee is responsible for the proper storage, containment and handling of all hazardous materials stored onsite.

(3) One shallow monitoring well is required at this facility. The monitoring well (MW-2) shall be located within ten feet east from the northeast corner of the Workshop toward the nearest supply well which is east of the building. The monitoring well shall be constructed in accordance with the Broward County Minimum Criteria for Monitoring Well Installation and Sampling. The well shall be constructed so that it will yield water samples during the maximum pumping of the Wellfield. If the existing monitoring well meets these criteria, it can be used as a sampling point. If not, the well should be properly abandoned and a new well constructed in its place. If a monitoring well is destroyed or damaged, the well shall be properly abandoned and a replacement well shall be installed within twenty-one days after discovery of the damaged well and in a location adjacent to the damaged well.

The monitoring well shall be sampled and analyzed by a NELAP certified laboratory each quarter and the analytical results submitted by the licensee to the Department by the 15th day of the month following each quarter. Analyses shall be performed for the following regulated substances: Benzene, Glyphostae, Diquat and Atrazine. EPA Test Methods 8260 (BTEX short list), 547 (glyphosate), 549.2 (diquat) and 8141 (atrazine) or equivalent methods should include all the regulated substances listed in this condition. The analytical detection limits must be equal to or less than the State of Florida Drinking Water Standards. If no drinking water standard is available, then the detection limits must be equal to or less than the State of Florida Groundwater Guidance Concentrations or at levels established by the Department.

(4) Any disposed hazardous material, including recycled materials, shall be disposed of in accordance with Federal, State of Florida and Broward County requirements.

(5) The licensee is required to have a Spill Prevention Control Plan (SPCP) and to implement those procedures as specified in the plan, immediately upon discovery of a discharge of a hazardous material. The licensee shall submit a SPCP on the Departments form within 30 days from the receipt of this license and shall update the SPCP as needed.

(6) In the event of an unauthorized release of a hazardous material to the environment the responsible party shall take the necessary measures to stabilize the situation by implementing their emergency plan. If the discharge is in an amount that is above the reportable spill threshold, or if there is a discovery of the presence of any contaminant in the waters or soils of Broward County at a level which exceeds any applicable federal, state or local regulatory cleanup target level or for which the Department has determined poses an actual threat or potential risk to water supplies, the environment or to health and safety, the responsible party shall take the necessary measures to stabilize the situation and shall immediately report such incidents by telephone to the Department. Written notification of verbal reports must be provided the Department within seven (7) calendar days. Written notification shall include, at a minimum, the location of the release, a brief description of the incident that caused the release or discovery, a brief description of the action taken to stabilize the situation, and any laboratory analysis, if available.

**WELLFIELD SECTION OF THE
HAZARDOUS MATERIAL MANAGEMENT FACILITY LICENSE**

ADDITIONAL SPECIFIC CONDITIONS - Continued

(7) It is the licensee's responsibility to require that all facility personnel shall successfully complete a program of classroom instructions and/or on the job training that teaches them to perform their duties in a way that ensures the facility's compliance with Chapter 27 of the Code of Broward County. The training shall include proper handling and storage of all hazardous materials used at the facility. It shall also include training at least once a year in the emergency plan. A record of the name of each employee and the fact that the person has completed the training shall be kept on file on the premises for three (3) years after the employee's last work day or until a facility is closed.

(8) The licensee is responsible for the proper storage, handling, use, production and disposal of all hazardous materials stored at their facility as part of construction, renovation and repair activities by contractors, subcontractors, consultants and other parties. The licensee is required under Condition 1 of this license to notify the Department of an inventory change when hazardous materials used for construction, renovation and repair activities are moved to the facility and when the activities cease. The licensee shall be responsible for chemical releases resulting from such activities.

(9) All monitoring wells required under this license shall be locked and maintained in accordance with Broward County Minimum Criteria for Monitoring Well Installation and Sampling.



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

November 18, 2011

CERTIFIED MAIL #7008 1140 0002 6707 6287
RETURN RECEIPT REQUESTED

Mr. Deva Singh Khalsa
Nanak's Landscaping, Inc.
998 South Military Trail
Deerfield Beach, FL 33442

Subject: Site Rehabilitation Completion Order
Cen-Deer Management Inc
998 South Military Trail aka Former Trolley Tours, Inc.
Deerfield Beach, Broward County
FDEP Facility ID# 068840464
Discharge Date: October 1, 1985 (PCPP-Voluntary)
Discharge Score: 75

Dear Mr. Khalsa:

The Broward County Pollution Prevention, Remediation and Air Quality Division (Division), on behalf of the Florida Department of Environmental Protection (Department), has reviewed the Site Assessment Report (SAR) and No Further Action Proposal (NFAP) dated December 6, 2010 (received December 6, 2010), Site Assessment Report Addenda (SARA) received through May 9, 2011, and the Monitoring Well Abandonment Report dated October 11, 2011 (received October 24, 2011), prepared and submitted by GeoTech Environmental, Inc. for the petroleum product discharge referenced above. All the documents submitted to date are adequate to meet the site assessment requirements of Rule 62-770.600, Florida Administrative Code (F.A.C.). In addition, documentation submitted with the SAR/NFAP confirms that criteria set forth in Subsection 62-770.680(1), F.A.C., have been met. Please refer to the attached maps of the source property and analytical summary tables. The SAR/NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the facility for petroleum product contamination associated with the discharge referenced above, except as set forth below.

In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the facility, the Department may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the SAR/NFAP or otherwise allowed by Chapter 62-770, F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the SAR/NFAP you do not have to do anything. This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
 - (1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or
 - (2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to Subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35,

Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Nanak's Landscaping, Inc., shall mail a copy of the request to Nanak's Landscaping, Inc. at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Nanak's Landscaping, Inc., shall mail a copy of the petition to Nanak's Landscaping, Inc. at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S. and Rule 28-106.201, F.A.C., a petition for an administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the facility owner's name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;

- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department's clerk (see below).

Questions

Any questions regarding the Division's review of your SAR/NFAP should be directed to David S. Singleton, P.G. at (954) 519-1429. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing.

Mr. Deva Singh Khalsa
FDEP Facility ID# 068840464
Page 5
November 18, 2011

The FDEP Facility Number for this facility is 068840464. Please use this identification on all future correspondence with the Department or the Division.

Sincerely,



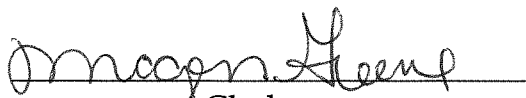
Robert C. Brown, P.E.
Chief, Bureau of Petroleum Storage Systems

RCB/dss

Attachments

ec: Stephen E. Brown, FDEP Southeast District Office -
stephen.e.brown@dep.state.fl.us
Lorenzo Fernandez, P.E., Broward County - lfernandez@broward.org
Steven L. Brashers, P.E., GeoTech Environmental, Inc. -
brashers@geotech_usa.com
Michael J. Bland, P.G., Administrator, FDEP - mike.bland@dep.state.fl.us
Rebecca Marx, Environmental Administrator, FDEP - rebecca.marx@dep.state.fl.us
Betsy Gingery, Paralegal, FDEP - betsy.gingery@dep.state.fl.us
Rebecca Robinette, Senior Attorney, FDEP - rebecca.robinette@dep.state.fl.us
Patricia A. Bedley, Legacy Bank of Florida - pbedley@legacybankfl.com
FDEP File

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to
§120.52 Florida Statutes, with the
designated Department Clerk, receipt
of which is hereby acknowledged.


Clerk
(or Deputy Clerk)

11-23-11
Date

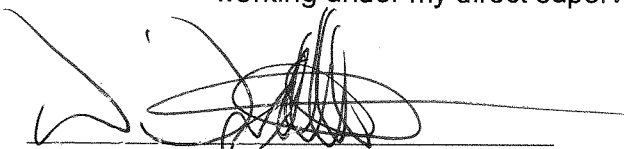
P.G. CERTIFICATION

Site Assessment Report/No Further Action dated December 6, 2010 (received December 6, 2010), and subsequent Addenda received through May 9, 2011, for Cen-Deer Management Inc, located at 998 South Military Trail, Deerfield Beach, FDEP Facility ID# 068840464.

I hereby certify that in my professional judgment, the components of this Site Assessment Report/No Further Action Proposal and subsequent Addenda, prepared for the October 1, 1985 petroleum product discharge discovered at the above-referenced facility, satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the site rehabilitation objectives stated in Chapter 62-770, F.A.C., have been met.

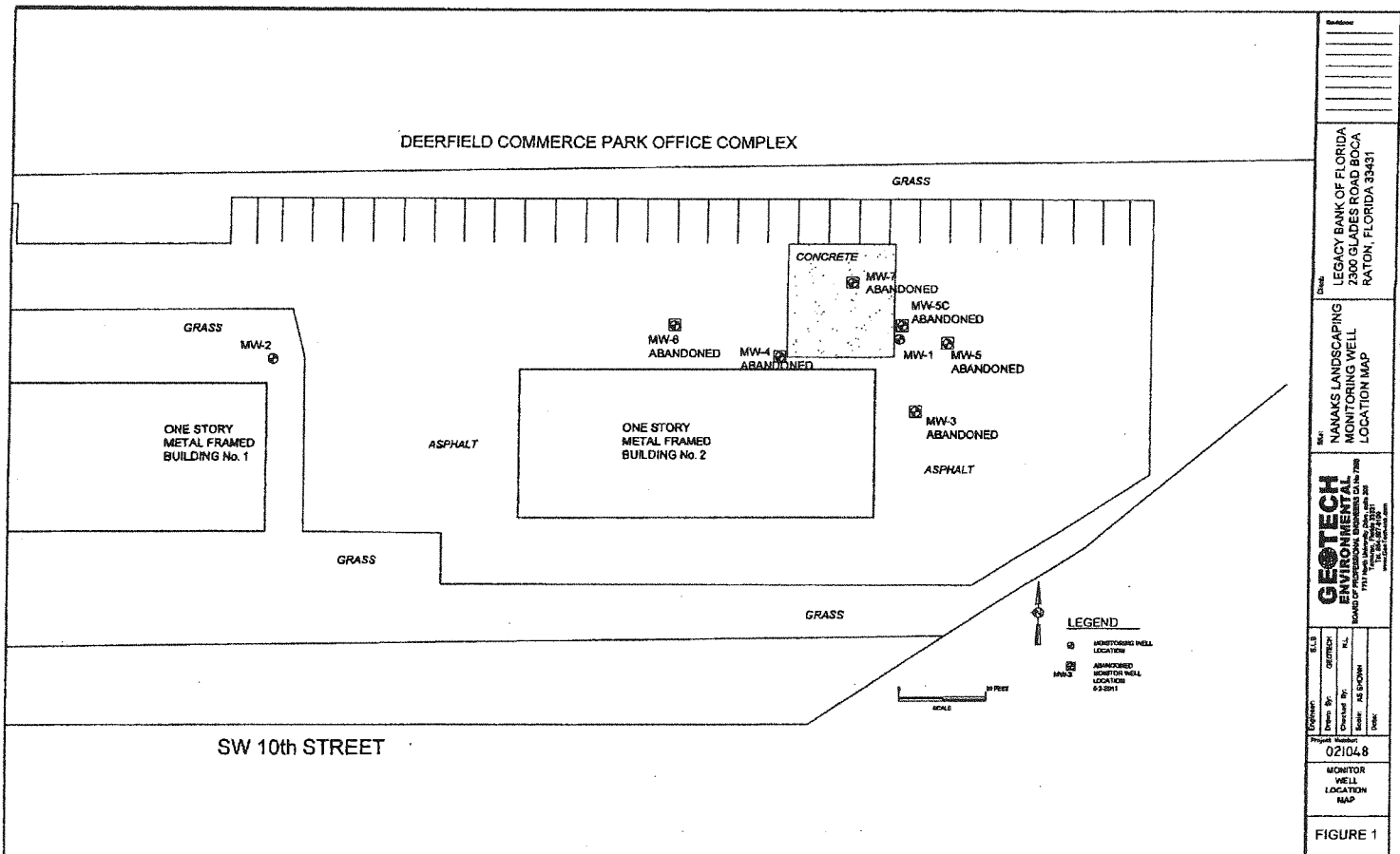
I personally completed this review.

_____ This review was conducted by _____
working under my direct supervision.



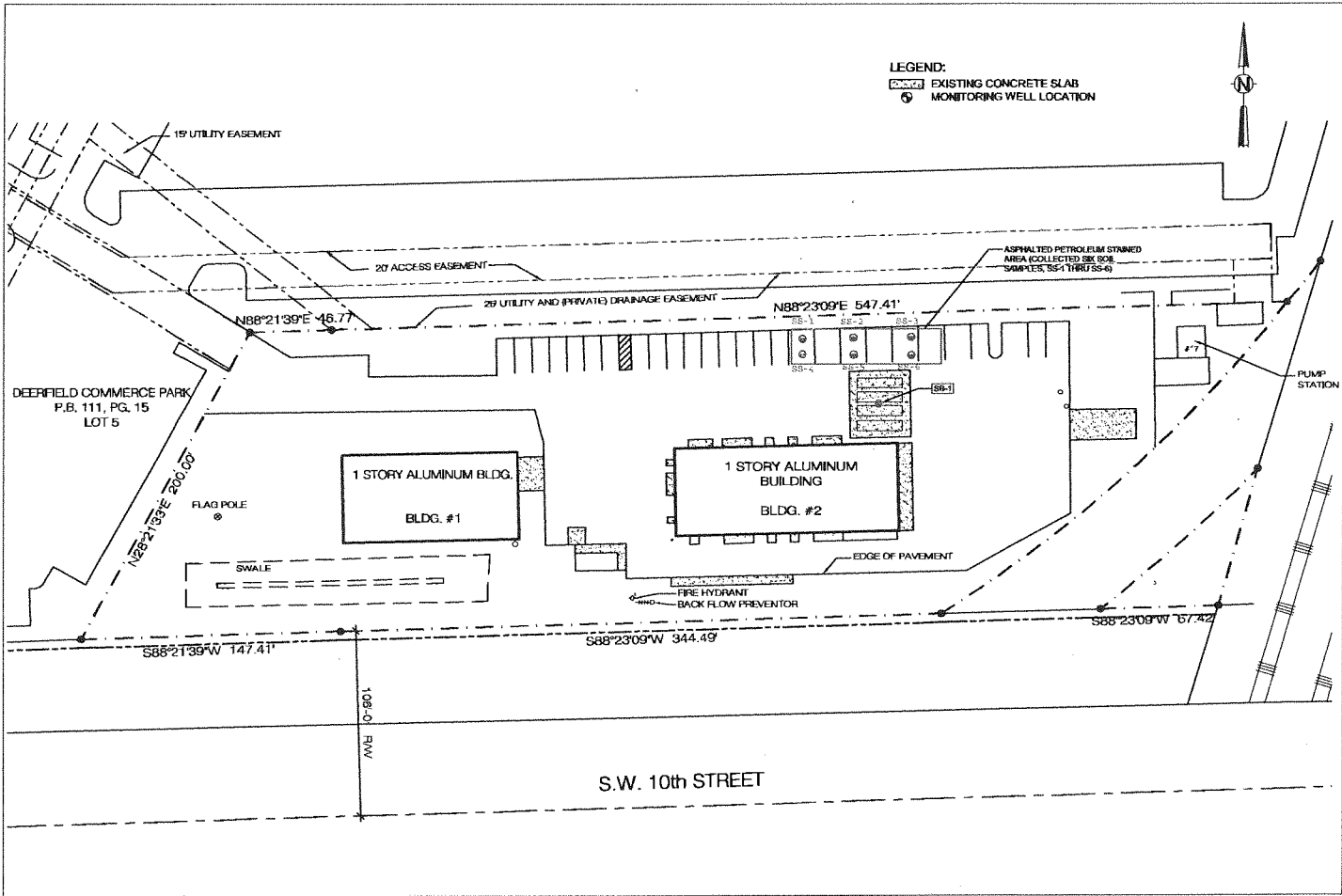
David Singleton, P.G.
Professional Geologist # 1803
Broward County Pollution Prevention, Remediation and Air Quality Division

11/02/11
Date



Date: LEGACY BANK OF FLORIDA 2300 GLADES ROAD BOCA RATON, FLORIDA 33431	
No.: NANAKS LANDSCAPING MONITORING WELL LOCATION MAP	
GEOTECH CONSULTING ENGINEERS BOARD OF PROFESSIONAL ENGINEERS No. 708 1711 N.W. 10th Avenue, Suite 200 Ft. Lauderdale, Florida 33309 Phone: (954) 562-1111	
Location: S.W. 10th Street Project No.: 021048 Checked By: JAL/EDM Date:	S.S. 021048 GEOTECH JAL/EDM 02/10/08
MONITOR WELL LOCATION MAP	
FIGURE 1	

FDEP FAC ID # 068840464



REVISIONS:	
CLIENT:	FORMER TROLLEY TOURS, INC. 988 SOUTH MILITARY TRAIL DEERFIELD BEACH, FLORIDA (BROWARD COUNTY)
SHEET NAME:	SOIL BORING (SB-1) AND ASPHALTED AREA SOIL SAMPLING MAP
GEOTECH ENVIRONMENTAL 17371 W. STATE ROAD 25 TALLAHASSEE, FLORIDA 32311 TEL: 904-897-1100 WWW.GEOTECHENVIRONMENTAL.COM	
ENGINEER: NW	DATE:
DRAWN: CR	CHECKED: N
PROJECT NO:	SCALE: 1"=50'-0"
GE1027	
DRAWING NO.	
FIGURE 3	
SHEET	
3 of 4	

FDEP FAC ID # 068840464

TABLE 4: SOIL ANALYTICAL SUMMARY - VOAs, TRPHs and Metals

Facility Name: Former Trolley Tours, Inc. Facility Address: 998 S Military Trail, Deerfield Beach, FL 33442 Facility ID:8840464 See notes at end of table.

Boring/ Well No.	Date Collected	Sample			Net OVA Reading (ppm)	Laboratory Analyses							Comments
		Depth to Water (ft)	ID No.	Sample Interval (fbs)		Benzene (mg/kg)	Ethyl- benzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPHs (mg/kg)	Lead (mg/kg)	
SB-1	9/22/2010	12.0	M1001403001	11.0	<1	0.0015 U	0.0013 U	0.0017 U	0.0046 U	0.0014 U	57	NS	
SS-1	9/29/2010	N/A	391743-003	0.7	<1	NS	NS	NS	NS	NS	464	NS	
SS-2	9/29/2010	N/A	391743-001	0.7	<1	NS	NS	NS	NS	NS	364	NS	
SS-3	9/29/2010	N/A	391743-002	0.7	<1	NS	NS	NS	NS	NS	458	NS	
SS-4	10/6/2010	N/A	392725-001	1.0	N/A	NS	NS	NS	NS	NS	37.1	NS	
SS-5	10/6/2010	N/A	392725-002	1.0	N/A	NS	NS	NS	NS	NS	7.12	NS	
SS-6	10/6/2010	N/A	392725-003	1.0	N/A	NS	NS	NS	NS	NS	5.05	NS	
Leachability Based on Groundwater Criteria (mg/kg)						0.007	0.6	0.5	0.2	0.09	340	*	
Direct Exposure Residential (mg/kg)						1.2	1,500	7,500	130	4,400	460	400	
Direct Exposure Commercial/Residential (mg/kg)						1.7	9200	60000	700	24000	2,700		

Notes: NA = Not Available.
 NS = Not Sampled.
 U = The compound was analyzed for but not detected.
 I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
 * = Leachability value may be determined using TCLP.
 If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].
 Analytical's in "Bold Black" exceed the GCTL's

TABLE 6: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs

Facility Name: Former Trolley Tours, Inc. Facility Address: 998 S Military Trail, Deerfield Beach, FL 33442 Facility ID:8840464 See notes at end of table.

Sample			TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) pery-	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (e) pyrene	Benzo (a) anthra-	Benzo (b) fluoran-	Benzo (k) fluoran-	Chrysene	Dibenz (a,h) anthra-	Indeno (1,2,3-cd) pyrene
Location	Date	ID No.	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	M1001402001	9/22/2010	280 U	0.15 U	0.12 U	0.18 U	0.13 U	0.13 U	0.080 U	0.092 U	0.084 U	0.10 U	0.10 U	0.12 U	0.023 U	0.029 U	0.025 U	0.082 U	0.060 U	0.047 U	0.039 U
MW-4	M1001402002	9/22/2010	280 U	0.15 U	0.12 U	0.18 U	0.13 U	0.13 U	0.080 U	0.092 U	0.084 U	0.10 U	0.10 U	0.12 U	0.023 U	0.029 U	0.025 U	0.082 U	0.060 U	0.047 U	0.039 U
MW-5C	M1001402003	9/22/2010	280 U	0.15 U	0.12 U	0.18 U	0.13 U	0.13 U	0.080 U	0.092 U	0.084 U	0.10 U	0.10 U	0.12 U	0.023 U	0.029 U	0.025 U	0.082 U	0.060 U	0.047 U	0.039 U
MW-7	M1001402004	9/22/2010	280 U	0.15 U	0.12 U	0.18 U	0.13 U	0.13 U	0.080 U	0.092 U	0.084 U	0.10 U	0.10 U	0.12 U	0.023 U	0.029 U	0.025 U	0.082 U	0.060 U	0.047 U	0.039 U
GCTLs			5,000	14	28	28	20	210	2,100	210	280	280	210	210	0.2**	0.05	0.05	0.5	4.8	0.005	0.05
NADCs			50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5

Notes: NA = Not Available.
 NS = Not Sampled.
 GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
 NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.
 ** = As provided in Chapter 62-550, F.A.C.
 If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 6: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs and Metals

Facility Name: Former Trolley Tours, Inc. Facility Address: 998 S Military Trail, Deerfield Beach, FL 33442 Facility ID: 8840464

Sample			Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total VOAs	MTBE	EDB	Total Lead
Location	Date	ID No.	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	M1001402001	9/22/2010	0.30 U	0.28 U	0.17 U	0.63 U	1.38 U	0.31 U	0.0091 U	0.0013 U
MW-4	M1001402002	9/22/2010	0.30 U	0.28 U	0.17 U	0.63 U	1.38 U	0.31 U	0.0091 U	0.0013 U
MW-5C	M1001402003	9/22/2010	0.30 U	0.28 U	0.17 U	0.63 U	1.38 U	0.31 U	0.0091 U	0.0013 U
MW-7	M1001402004	9/22/2010	0.30 U	0.28 U	0.17 U	0.63 U	1.38 U	0.31 U	0.0091 U	0.0013 U
GCTLs			1**	40**	30**	20**	NA	20	0.02**	15**
NADCs			100	400	300	200	NA	200	2	150

Notes: NA = Not Available.
 NS = Not Sampled.
 GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
 NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.
 ** = As provided in Chapter 62-550, F.A.C.
 If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 4: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs

Facility Name: Former Trolley Tours, Inc.

Facility Address: 998 S Military Trail, Deerfield Beach, FL 33442

Facility ID:8840464

See notes at end of table.

Boring/ Well No.	Date Collected	Sample			Net OVA Reading (ppm)	Laboratory Analyses									Comments
		Depth to Water (ft)	Sample Interval (ft/s)	ID No.		Benzo (a) pyrene (mg/kg)	Benzo (a) anthracene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) fluoranthene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthracene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)		
SB-1	9/22/2010	12.0	11.0	M1001403001	<1	0.015 U	0.026 U	0.038 I	0.028 U	0.036	0.017 U	0.015 U	0.040		
SS-1	9/29/2010	N/A	0.7	391743-003	<1	NS	NS	NS	NS	NS	NS	NS	--		
SS-2	9/29/2010	N/A	0.7	391743-001	<1	NS	NS	NS	NS	NS	NS	NS	--		
SS-3	9/29/2010	N/A	0.7	391743-002	<1	NS	NS	NS	NS	NS	NS	NS	--		
SS-4	10/6/2010	N/A	1.0	392725-001	N/A	NS	NS	NS	NS	NS	NS	NS	--		
SS-5	10/6/2010	N/A	1.0	392725-002	N/A	NS	NS	NS	NS	NS	NS	NS	--		
SS-6	10/6/2010	N/A	1.0	392725-003	N/A	NS	NS	NS	NS	NS	NS	NS	--		
Leachability Based on Groundwater Criteria (mg/kg)						8	0.8	2.4	24	77	0.7	6.6	**		
Direct Exposure Residential (mg/kg)						0.1	#	#	#	#	#	#	0.1		

Notes: NA = Not Available.
 NS = Not Sampled.
 U = The compound was analyzed for but not detected
 I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
 ** = Leachability value not applicable.
 # = Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.
 If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 4: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Facility Name: Former Trolley Tours, Inc.

Facility Address: 998 S Military Trail, Deerfield Beach, FL 33442

Facility ID:8840464

See notes at end of table.

Sample					OVA	Laboratory Analyses										Comments		
Boring/Well No.	Date Collected	Depth to Water (ft)	Sample Interval (ft/s)	ID No.	Net OVA Reading (ppm)	Naphthalene (mg/kg)	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo (g,h,i) perylene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Phenanthrene (mg/kg)		Pyrene (mg/kg)	
SB-1	9/22/2010	12.0	11.0	M1001403001	<1	0.021 U	0.023 U	0.023 U	0.024 U	0.023 U	0.023 U	0.022 U	0.025 U	0.023 U	0.024 U	0.028 U		
SS-1	9/29/2010	N/A	0.7	391743-003	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
SS-2	9/29/2010	N/A	0.7	391743-001	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
SS-3	9/29/2010	N/A	0.7	391743-002	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
SS-4	10/6/2010	N/A	1.0	392725-001	N/A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
SS-5	10/6/2010	N/A	1.0	392725-002	N/A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
SS-6	10/6/2010	N/A	1.0	392725-003	N/A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Leachability Based on Groundwater Criteria (mg/kg)							1.2	3.1	8.5	2.1	27	2,500	32,000	1,200	160	250	880	
Direct Exposure Residential (mg/kg)							55	200	210	2,400	1,800	21,000	2,500	3,200	2,600	2,200	2,400	

Notes: NA = Not Available.

U = Not Sampled.

! = The compound was analyzed for but not detected

! = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

SITE 18
CACHE CLEANERS

**Florida Department of
Environmental Protection**

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

**Drycleaning Facility or Wholesale Supply Facility
Submission Receipt**

03/26/2018

Account Owner: DRYCLEAN & LAUNDRY EXPRESS INC

STCM ID: 70906

Dear **DRYCLEAN & LAUNDRY EXPRESS INC,**

Your Drycleaning Facility payment has been submitted and a copy of your Certificate is attached.

You have paid \$175.00.

If you have any questions or need further assistance, please contact Drycleaning Registration by e-mail at TankRegistration@dep.state.fl.us or by phone at (850) 245-8839.

Please retain a copy of this confirmation for your records.

Sincerely,

Drycleaning Registration

Facility ID - 9814593 **\$175.00**

Total Fees Paid **\$175.00**



Florida Department of Environmental Protection

Registration Form

Drycleaning Facilities and Wholesale Supply Facilities

DEP Form: DC 1
Form Title: Drycleaning Facility/Wholesale Supply Facility Registration Form
Revised Form: (1/23/17)
(FDEP Use Only)

- 1. Registration Type: New Registration [] Revision [x] Facility ID#
2. Facility Type: Drycleaning Facility [] Wholesale Supply Facility []
3. Facility Status: Active [] Closed [] Dry Drop Off []

DATE facility CLOSED or changed status to Dry Drop Off:

- 4. DATE facility began operation:
5. FACILITY Name:
Address:
City, County, Zip:
Contact Person:
Telephone: E-mail (if available):

- 6. OPERATOR Name:
Address:
City, State, Zip:
Operator Signature: Date:
Telephone: E-mail (if available):

- 7. OWNER Name: DRYCLEAN & LAUNDRY EXPRESS INC
Address: 1151 S POWERLINE RD ATTN: AMIR MOMIN
City, State, Zip: DEERFIELD BCH, FL, 33442
Owner Signature: AMIRUDDIN M. MOMIN Date: 03/26/2018
Telephone: (954) 868-1213 E-mail (if available): AMIRM1212@GMAIL.COM

Federal Employer Identification Number (FEIN) of Owner: 65-0242314

- 8. REAL PROPERTY OWNER Name:
Address:
City, State, Zip:
Property Owner Signature: Date:
Telephone: E-mail (if available):

9. Solvents Currently Used or Sold (check all appropriate):

Table with 2 columns and 2 rows for solvent selection: Perchloroethylene (PCE, PERC), Petroleum (DF2000, Mineral Spirits, Stoddard Solvent), Greenerath, Other (Specify).

* If Necessary - attach a copy of any Notice Letter(s) for Joint Registration (Form DC 2).

E-mail: TankRegistration@dep.state.fl.us or Mail: Florida Department of Environmental Protection, Drycleaning Registration MS#4525, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400



Instructions for Drycleaning Facility / Wholesale Supply Facility

Registration Form

Section 376.303, Florida Statutes, requires joint registration by the operator, owner, and real property owner of drycleaning and wholesale supply facilities. Submittal of the completed Registration Form (Form DC 1) and payment of a \$100 initial registration fee is required for all new drycleaner and wholesale supply facilities.

Changes or revisions to a current registration may be provided through submittal of a revised registration form. There is no fee associated with revising a current registration.

NEW FACILITIES should submit the registration form (Form DC 1) to the department 45 days prior to the facility opening. Once the registration form is received the Department will send an invoice for the initial \$100 registration fee. Upon payment of the initial registration fee the department will issue the certificate of registration. This certificate of registration will be necessary to purchase drycleaning solvents.

The Registration Form may be mailed or e-mailed to the department at:

E-mail: TankRegistration@dep.state.fl.us

Mail: Florida Department of Environmental Protection
Drycleaning Registration MS#4525
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Definitions for Registration Form (Form DC 1)

Registration Type: Check the appropriate box to indicate a NEW REGISTRATION or a REVISION of previous registration.

Facility Type: Check the appropriate box according to the following definitions:

Drycleaning Facility - A commercial establishment that operates for the primary purpose of drycleaning clothing and other fabrics using a process that involves any use of drycleaning solvents (see definition for drycleaning solvents below). Drycleaning facilities include laundry facilities that use drycleaning solvents as part of their cleaning process. Drycleaning facilities do not include uniform rental companies, linen supply companies, hospitals, hotels, or resorts. Dry drop-off facilities are not required to register.

Wholesale Supply Facility - A commercial establishment that supplies drycleaning solvents (see definition for drycleaning solvents below) to drycleaning facilities.

Drycleaning Solvents - Any and all non-aqueous solvent(s) used in the cleaning of clothing or other fabrics, including perchloroethylene and petroleum-based solvents.

Facility Information: Provide the name, physical address of the drycleaning facility or wholesale supply facility, contact person, phone number, and e-mail if available.

OPERATOR – the person operating the drycleaning facility or wholesale supply facility, whether by lease, contract, or other form of agreement. The OPERATOR must sign and date on the line provided.

OWNER - the person or entity owning a drycleaning facility or wholesale supply facility. Owner must include their 9-digit Federal Employer Identification Number. The OWNER must sign and date on the line provided.

REAL PROPERTY OWNER - the individual or entity that is vested with ownership, dominion, or legal or rightful title to the real property, or which has a ground lease interest in the real property, on which a drycleaning facility or wholesale supply facility is or has ever been located. The REAL PROPERTY OWNER must sign and date on the line provided.

Solvents Currently used or sold: Check the appropriate box(es) to indicate the solvent(s) currently being used or sold at this facility location.

Notice Letter(s) for Joint Registration: In the event that the owner, operator, or real property owner are unable to obtain the joint signatures as required by s. 376.303, F.S., then the owner, operator, or real property owner shall forward a copy of the Registration Form (Form DC1) and Notice Letter for Joint Registration (Form DC2) to each non-signing party by certified mail. The owner, operator, or real property owner shall submit to the Department a completed Registration Form (Form DC1) with the signatures then available, a copy of each Notice Letter for Joint Registration (Form DC2) and a copy of the return receipt for each Notice Letter.

REVISED Registrations may be mailed to the address provided above or e-mailed to the following:

E-MAIL: TankRegistration@dep.state.fl.us

Questions on Drycleaning Solvent Cleanup Program: (850) 245-8705

Questions on Drycleaner Registration: (850) 245-8839

SITE 19

DB – CITY WELL 17



1310 Cross Creek Circle
Tallahassee, FL 32301

Facility Area Report and Maps

<i>Site Name</i>	DEERFIELD BEACH CITY-WELL #17		<i>Facility_ID</i>	8622498	<i>County</i>	
<i>Address</i>	994 S MILITARY TRL		<i>Operator</i>	DEERFIELD BEACH,CITY	BROWARD	
<i>City</i>	DEERFIELD BEACH	<i>ZIP5</i>	33442			
<i>Site Status</i>	OPEN	<i>Number discharges</i>	1	<i>Latitude</i>	26.3052031	
<i>Facility Type:</i>	Local Government	<i>Facility Cleanup Status</i>	COMPLETED	<i>Longitude</i>	-80.126485	
			<i>Score</i>	74		
Reports						
<i>Recent PCB Report</i>	<i>Recent Site Assessment Report</i>	<i>Recent Remedial Action Plan</i>	<i>Recent Remedial Action Report</i>	<i>Recent Source Removal Report</i>		
	1/16/2007					

Neighborhood Parcels **

<i>Dept of Revenue County No</i>	<i>Parcel Number</i>	<i>Land Use Code</i>	<i>DOR Code Description</i>	<i>Number of Buildings</i>	<i>Owner</i>	<i>Address</i>	<i>ADDR2</i>	<i>City</i>	<i>State</i>	<i>Zip</i>	<i>Legal Description</i>
16	484202150010	41	41 LT MFG/SM MACH SHOP/PRINT	8	PUBLIX SUPER MARKETS INC	PO BOX 407		LAKELAND FL 33802-0407		0	DEERFIELD BEACH

* STCM data current as of November 1, 2007

** Parcel data from DOR and is current as of 8/1/2007

Well data from DOH current as of 10/31/07



1310 Cross Creek Circle
Tallahassee, FL 32301

0				0				0	

0				0				0	

16	484202000233	80	80 UNDEFINED	0	CITY OF DEERFIELD BEACH	150 NE 2 AVE	DEERFIELD BEACH FL 33441-3506	0	2-48-42

16	484202000237	48	48 WAREHOUSING	3	J D ENTERPRISES OF BRO INC	998 S MILITARY TRL	DEERFIELD BEACH FL 33442-2987	0	2-48-42












16	484202080050	48	48 WAREHOUSING	2	KTR QUORUM LLC	300 BARR HARBOR DR #150	CONSHOHOC KEN PA 19428	0	DEERFIELD COMMERCE PARK 111-15

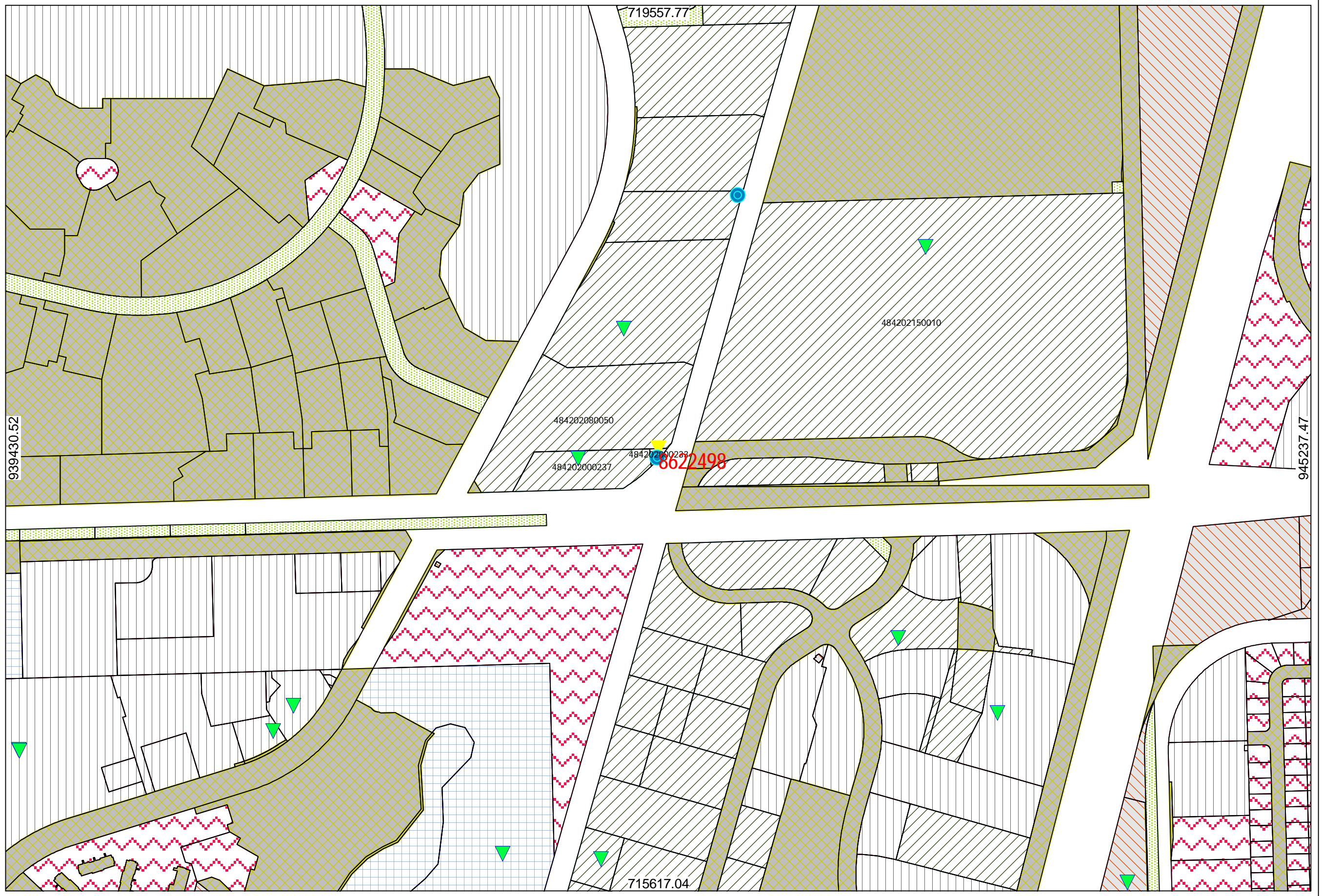
* STCM data current as of November 1, 2007

** Parcel data from DOR and is current as of 8/1/2007

Well data from DOH current as of 10/31/07

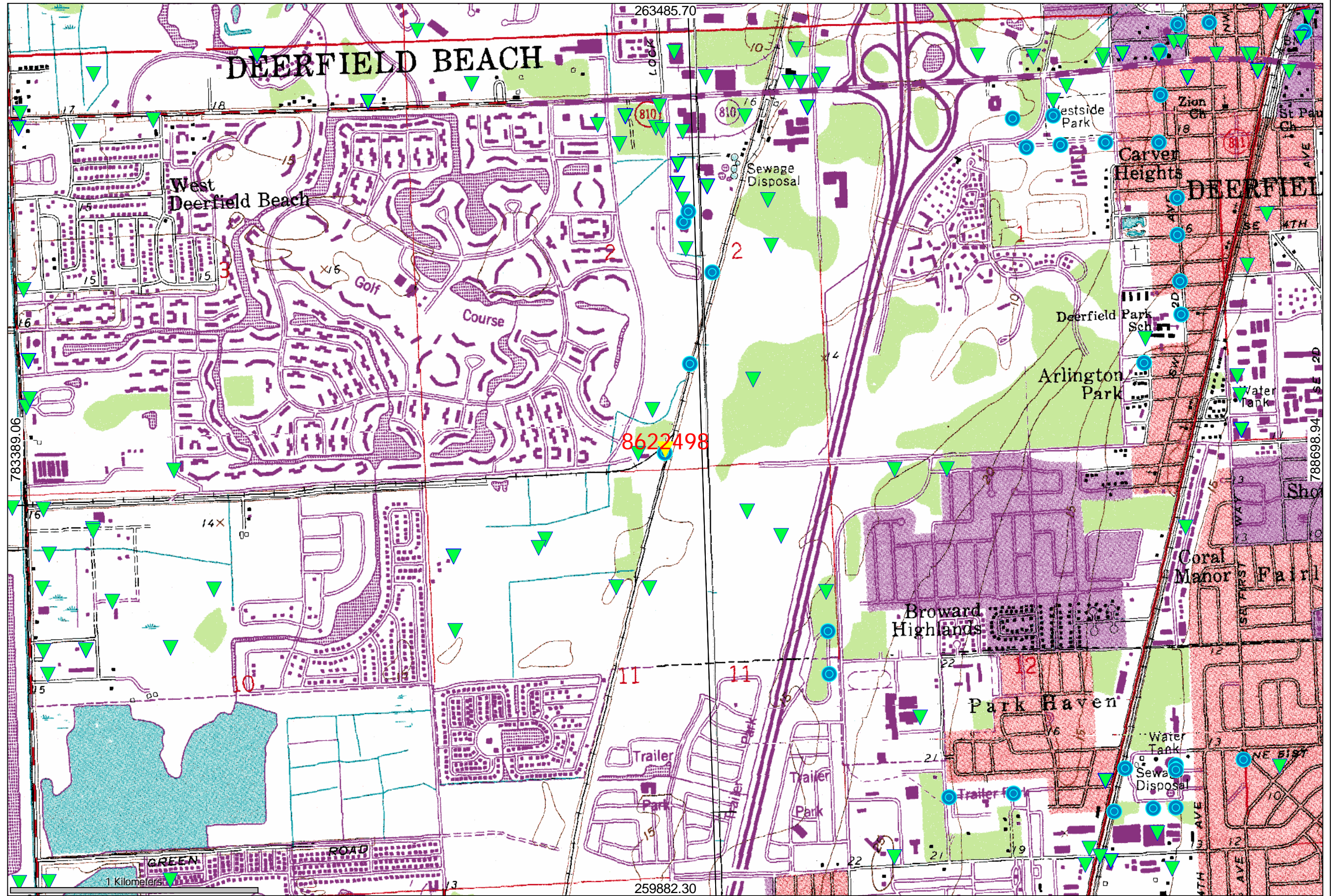
County

-  Wells.shp
-  StcmFacilites.shp
-  County Parcels
- Broward.shp**
 -  Agricultural
 -  Commercial
 -  Government
 -  Industrial
 -  Institutional
 -  Miscellaneous
 -  Residential
 -  Unknown



View 1

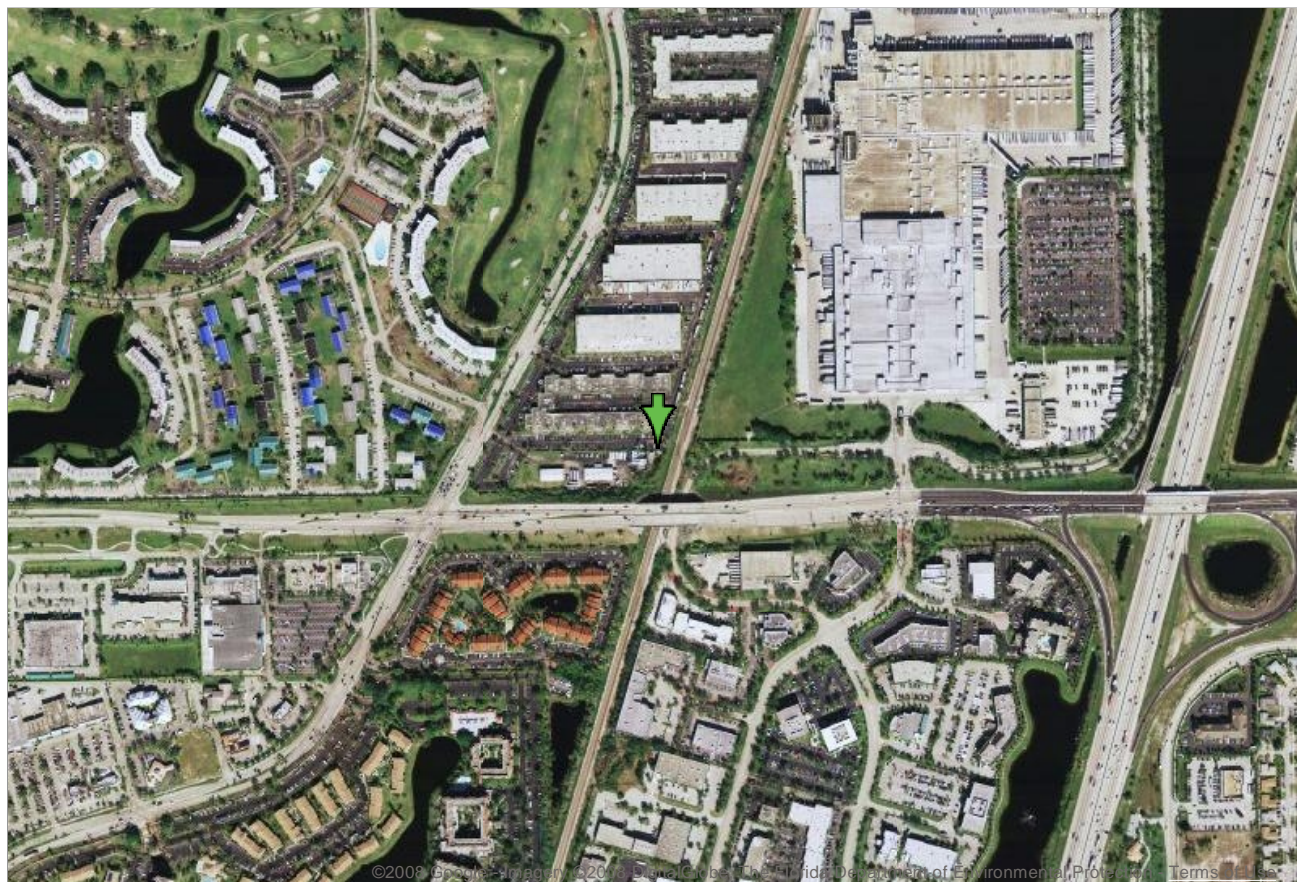
- ▼ stcmfacs.shp
- wells.shp
- quads.shp





Address

+26° 18' 18.73", -80° 7' 35.35"





Address

+26° 18' 18.73", -80° 7'
35.35"



Stationary Tank Registration/Notification Form

Form 17-1.218(2)

FACILITY NAME AND MAILING ADDRESS:
City of Deerfield Beach - Well # 17
150 N.E. 2nd Ave
Deerfield Beach, FL 33441

FACILITY LOCATION:
999 Military Trail
Deerfield Beach, FL

Use this form to comply with the following requirements of the Stationary Tank Rule, Chapter 17-61, Florida Administrative Code.

(Make corrections to name and addresses here)

1. Facility/Address name: _____

Facility address: _____

Mailing address: _____

- Each owner or operator shall register the following with the department.
 - All existing facilities by December 31, 1984. (Questions 1-19)
 - All new storage systems or facilities at least 10 days prior to the start of installation of tanks except in the cases of emergency replacement. (Questions 1-19)
 - A non-pollutant containing installation which is to be converted to a facility, at least 10 days prior to the placement of pollutants in such a facility. (Questions 1-19)
- Each owner or operator shall notify the department of the following.
 - All storage systems within 10 days of abandonment. (Questions 1-12, 16, 20)
 - Facility sale within 10 days of sale. Notice shall be made by the seller. (Answer questions 1-7, and 11. Question 7 about the new owner.)
 - Retrofitting within 10 days of completion. (Questions 1-19)
- You may notify the department of a change of operator. (Questions 1-6)

CH

PLEASE PRINT OR TYPE

2. Facility number (DER will provide this number): 068672498 3. Date: _____
4. Federal Employment Identification (number used to file IRS forms): 596000305
5. County Code (see enclosed letter): 06
6. Operator of facility: City of Deerfield Beach
Effective date (only for change of operator): _____ Telephone number: (305) 427-3331
7. Company/Person owning tanks and piping: City of Deerfield Beach
Address: 150 N.E. 2nd Ave, Deerfield Beach, FL 33441
Contact person: J. Eldon Mariott, city manager Telephone number: (305) 427-3331
Effective date (only for change of owner): _____
8. How many tanks at this location have an individual storage capacity of greater than 550 gallons and store vehicular fuel made from petroleum?
_____ Underground _____ Aboveground
9. Facility location: Latitude: _____ Longitude: _____ Section: _____ Township: _____ Range: _____
This information is listed on property deeds, and in the offices of the property appraiser and tax assessor.
10. Sketch the facility on a separate page showing the APPROXIMATE location of buildings, tanks, and dispensers.
A. Draw a line from tank to dispenser to show which are connected by piping.
B. Label each tank as Tank 1, Tank 2, etc.
C. Write the date and your facility number, if known, or name and address exactly as it appears above.
D. Keep a copy of your sketch.
- REFER TO TANKS BY THESE LABELS IN ANY COMMUNICATION WITH THE DEPARTMENT.
DESCRIBE PIPING BY THE NUMBER OF THE TANK IT IS ATTACHED TO.
11. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE, AND COMPLETE.

Name of owner, operator or authorized representative

Signature of owner, operator or authorized representative

KEEP A COPY OF THIS FORM FOR YOUR RECORDS

MAIL TO: DER Stationary Tank Registration
2600 Blair Stone Road
Room 603
Tallahassee, Florida 32301

INSTRUCTIONS: Use one row across for each tank counted in question 8. The tank number must agree with the number on the sketch of your facility. A new tank installed where a registered tank was removed should be given the number of the removed tank with an R and a number added. Example: Tank 3R1 is first replacement for tank 3. It is in the same place where tank 3 was. Tank 3R2 is the second replacement for tank 3. Attach extra pages if necessary. Write your facility number, if known, or name and address, exactly as it appears on the front of the form, on all extra pages.

(12) Tank Number	(13) Tank Size in Gallons	(14) Tank Contents (see List 14 below)	(15) Tank Installation Date, Month/Year (put X if unknown)	(16) Underground or Aboveground Tank (write U or A)	(17) Tank Construction Specifics (see List 17U or 17A below)	(18) Integral Piping System Construction Specifics (see List 18 below)	(19) Monitoring System Type (see List 19)	(20) Tank Disposal Method (see List 20)
17	600	D	XX/78	U	D	E	C	

ENTER THE LETTERS WHICH APPLY TO EACH TANK IN THE BOXES ABOVE. **WRITE ALL THAT APPLY.**

List 14	List 17U UNDERground Tanks	List 17A ABOVEground Tanks	List 18	List 19	List 20
<p>Tank contents are:</p> <p>A. leaded gasoline. B. unleaded gasoline. C. Alcohol enriched gasoline. D. diesel fuel. E. aviation fuel. Z. other.</p>	<p>Underground tank:</p> <p>A. has overfill protection. B. is interior lined. C. is painted/asphalted steel. D. is of unknown type. E. is fiberglass type. F. is fiberglass-clad steel. G. is sacrificial anode type. H. is impressed current type. I. is double walled. J. is concrete. K. is in secondary containment. N. is or has none of the above.</p>	<p>Aboveground tank:</p> <p>O. has overfill protection. P. is surrounded by impervious dike. Q. is surrounded by earth dike. R. rests on an impervious base. S. rests on a earth/gravel base. T. has interior lined bottom. U. is cathodically protected. V. is built of/coated with corrosion resistant materials. W. is supported above the soil. Z. is or has none of the above.</p>	<p>Integral Piping System has:</p> <p>A. no parts in contact with the soil. Parts contacting the soil which are: B. unprotected metal. C. built of corrosion resistant materials. D. corrosion resistant coated. E. cathodically protected. F. double-walled. G. within a secondary containment. H. interior lined. M. none of the above.</p>	<p>Monitoring system is:</p> <p>A. automatically sampled well(s). B. manually sampled well(s). C. groundwater monitoring plan. D. SPCC plan. E. well/detector in secondary containment. F. in-ground detector. G. within walls of double-walled tank. H. continuous in piping. I. not required. N. none of the above.</p>	<p>Tank disposal method.</p> <p>A. Filling. B. Removal. C. Retrofitting. F. Other.</p>

CITY OF DEERFIELD BEACH STORAGE TANK FACILITY



1. Tank No.	13	14	15	16	17	18
2. Location	East WTP	W. WTP	W. WTP	W. WTP	#17 Well	#18 Well
3. Address	101 N.W. 2 Ave.	- - 290 Goolsby Blvd.	-	-	998 Mil. Trail	458 Goolsby
4. Liquid Stored	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
5. Norm Use GPD	10	10	10	7	7	7
6. Peak Use GPD	240	240	240	168	168	168
7. Norm OP HR/DA	1	1	1	1	1	1
8. Peak OP DA/WK	2	3	3	1	1	1
9. Use of Liquid	-	Emergency Generators	-	-	Emergency Generators	-
10. Date Tank Installed	1964	1983	1983	1976	1978	1978
11. Shape of Tank	Rectangular	Cylinder	Cylinder	Cylinder	Cylinder	Cylinder
12. Diameter of Tank	?	68"	68"	64"	42"	42"
13. Tank Volume Gal	3000	5000	5000	4000	600	600
14. Constr. Material	Steel	Steel	Steel	Steel	Steel	Steel
15. No. Pumps	1	1	1	2	1	1
16. Pump El. Above Grade	5'	4'	4'	4'	4'	4'
17. Fill Cap El. Above Grade	10"	6"	6"	18"	36"	34"
18. Vent El. Above Grade	16'	20'	20'	10'	10'	10'
19. Safety Features	?	?	?	?	?	?
20. Tank Manuf. Name	Buffalo	Buffalo	Buffalo	Buffalo	Buffalo	Buffalo
21. Date Last Pressure Test	1964	1983	1983	1976	1978	1978

22. COMMENTS:

All tanks underground



Florida Department of Environmental Regulation

Twin Rivers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-7018000
 Form Title Storage Tank Registration Form
 Revision Date December 15, 1990
 DATE RECEIVED
 DER Application No. 0627
 Filed on by BLS

DATA ENTERED
 AUG 25 1993
 BY *[Signature]*

Storage Tank Registration Form

AUG 25 AM 10:57
 STORAGE TANK
 REGULATION

Please Print or Type • Review Instructions Before Completing Form

1. DER Facility ID Number: 06/8622498 2. Facility Type: H
 3. New Registration New Owner Data Facility Revision Tank(s) Revision
 4. County and Code of tank(s) location: BROWARD / 06

5. Facility Name: CITY OF DEERFIELD BEACH - WELL #17
 Tank(s) Address: 994 S MILITARY TRAIL
 City/State/Zip: DEERFIELD BEACH, FL. 33442
 Contact Person: LLOYD NEWMAN Telephone: (305) 480-4370
 6. Financial Responsibility Type: _____

7a. Tank(s) Owner: CITY OF DEERFIELD BEACH
 Owner Mailing Address: 290 GOOLSBY BLVD.
 City/State/Zip: DEERFIELD BEACH, FL. 33442
 Contact Person: LLOYD NEWMAN Telephone: (305) 480-4370

7b. New Owner Signature/Change Date: _____ / _____ / _____

8. Location (optional) Latitude: 26.18.57. Longitude: 80.07.56. Section 2 Township ARS Range 42E

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

9	10	11	12	13	14	15	16	17	18	19
17	600	H	1978	U	D	E		B	---	10/87
17R	550	H	1987	A	CPK	A	BNLM			

20. Waldrons' Inc., 2511 SW 2 Ave., FT. LAUD., FL 33315
 Certified Contractor
 *For new tank installation or tank removal
 DPR# _____ Department of Professional Regulation License Number

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

LLOYD NEWMAN, CHIEF OPERATOR *Lloyd Newman* 8-25-93
 Print Name & title of owner or authorized person Signature Date

DEPARTMENT OF ENVIRONMENTAL REGULATION
STATIONARY TANK INVENTORY SYSTEM
FACILITY/OWNER/TANK INFORMATION REPORT

CNTY/FAC # FACILITY DATA

OWNER DATA

06/8622490 DEERFIELD BCH,CITY-PUBLIC WORKS
210 GOOLSBY BLVD
DEERFIELD BEACH FL 33442-3002
(305)427-3331
OPER: DEERFIELD BEACH,CITY
SECTION: TOWNSHIP: RANGE:

DEERFIELD BCH CITY
150 NE 2ND AVE
DEERFIELD BEACH FL 33441-3506
(305)427-3331
CONTACT: J ELDON MARIOTT

STATUS: OPEN REGULATED
ENTERED: 02-03-86
TYPE: H
LAT/LONG: 26:19:17 / 80:07:20
FINANCIAL RESPONSIBLE PARTY:

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	--- TANK NUMBERS --- REP'D BY	REPLACES
10	8000	XX/80	D	U	AE	C	C	U			
11	500	XX/80	L	U	AG	E	C	U			
12	250	XX/73	D	A	D	Y	C	U			
8	8000	XX/80	B	U	AE	C	C	U			
9	8000	XX/80	B	U	AE	C	C	U			

06/8622491 DEERFIELD BCH,CITY-W.T.P.
101 NE 2ND AVE
DEERFIELD BEACH FL 33441-3505
(305)427-3331 480-4370
OPER: CITY OF DEERFIELD BEACH
SECTION: 1&2 TOWNSHIP: 48S RANGE: 42E

DEERFIELD BCH CITY
150 NE 2ND AVE
DEERFIELD BEACH FL 33441-3506
(305)427-3331 480-4370
CONTACT: J ELDON MARIOTT
LAMONT ESSEN

STATUS: OPEN REGULATED
ENTERED: 02-03-86
TYPE: C
LAT/LONG: 26:19:12 / 80:06:02
FINANCIAL RESPONSIBLE PARTY:

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	--- TANK NUMBERS --- REP'D BY	REPLACES
13	4000 3000	XX/64	1987 H	U	AE EJ	EA BG	CBMEJ	U			

06/8622498 DEERFIELD BCH,CITY-WELL #17
994 S MILITARY TRL
DEERFIELD BEACH FL 33442-2987
(305)427-3331 480-4370
OPER: DEERFIELD BEACH,CITY
SECTION: TOWNSHIP: RANGE:

DEERFIELD BCH CITY
150 NE 2ND AVE
DEERFIELD BEACH FL 33441-3506
(305)427-3331 480-4370
CONTACT: J ELDON MARIOTT
LAMONT ESSEN

STATUS: OPEN REGULATED
ENTERED: 02-04-86
TYPE: H
LAT/LONG: 26:18:57 / 80:07:56
FINANCIAL RESPONSIBLE PARTY:

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	--- TANK NUMBERS --- REP'D BY	REPLACES
17	550 500	XX/78	1988 H	UA	AE CPK	EA	C	U			

06/8622499 DEERFIELD BCH,CITY-WELL #18
45B GOOLSBY BLVD
DEERFIELD BEACH FL 33442-3019
(305)427-3331 480-4370
OPER: DEERFIELD BCH,CITY
SECTION: TOWNSHIP: RANGE:

DEERFIELD BCH CITY
150 NE 2ND AVE
DEERFIELD BEACH FL 33441-3506
(305)427-3331 480-4370
CONTACT: J ELDON MARIOTT
LAMONT ESSEN

STATUS: OPEN REGULATED
ENTERED: 02-04-86
TYPE: H
LAT/LONG: 26:18:55 / 80:07:31
FINANCIAL RESPONSIBLE PARTY:

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	--- TANK NUMBERS --- REP'D BY	REPLACES
18	550 500	XX/78	1988 H	UA	AE CPK	EA	C	U			

DEPARTMENT OF ENVIRONMENTAL REGULATION
 STATIONARY TANK INVENTORY SYSTEM
 93 APR - 7 PM 3:51
 RECEIVED
 D.E.M.

SITE 20
REXALL SUNDOWN



Facility Information:

Facility ID:	9803298	County:	BROWARD	Inspection Date:	07/25/2017
Facility Type:	C - Fuel user/Non-retail				
Facility Name:	REXALL SUNDOWN			# of Inspected ASTs:	1
	1111 SW 30TH AVE			USTs:	0
	DEERFIELD BEACH, FL 33442			Mineral Acid Tanks:	0
Latitude:	26° 18' 2.266"				
Longitude:	80° 8' 41.7574"				
LL Method:	DGPS				

Inspection Result:

Result: In Compliance

Signatures:

TKBWNR - BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPT (954) 519-1259

Storage Tank Program Office and Phone Number

Clearvens C JeanBaptiste

Michael Kane (GBates@nbtty.com)

Inspector Name

Representative Name

Inspector Signature
Principal Inspector
BROWARD COUNTY ENVIRONMENTAL
PROTECTION DEPT

Representative Signature

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 15, 2018. For further information please visit:
http://www.dep.state.fl.us/waste/categories/tanks/pages/op_train.htm

Financial Responsibility:

Financial Responsibility:	INSURANCE		
Insurance Carrier:	COMMERCE & INDUSTRY		
Effective Date:	02/23/2017	Expiration Date:	02/23/2018

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Monthly Maint. Visual Examinations and Results	01/13/2015	07/11/2017	
Two Years	Certificate of Financial Responsibility	02/23/2017	07/25/2017	Commerce & Industry, EXP-02/23/2018
Other	Current Local Government Permit, If Applicable	09/01/2015	07/25/2017	County License, EXP-08/31/2017

Site Visit Comments

07/25/2017

Reviewed cover page.
 Reviewed site diagram
 Verified Coordinates
 County license is current and available
 09/01/2015-08/31/2017
 FDEP placard is current and available
 07/21/2017-06/30/2018
 Certificate of Financial Responsibility Insurance is current
 02/23/2017-02/23/2018 Commerce & Industry
 Monthly visual inspection log is maintained, included interstitial monitoring
 1/13/2015-7/11/2017
 Facility has 1-1000gal sub-based double walled above ground diesel generator tank
 Tank is labeled and looks in good condition.
 No leaks or spills on or around the tank.
 System has a spill tray that was dry
 Kohler power system diesel generator
 Piping aboveground, directly under the tank, not in contact with soil
 System has a fill port within spill tray that was dry.
 Tank has a fuel level grueger gauge
 System has a Kohler Annunciator on the inside of the building
 Visual and audible alarms functioning properly.
 Facility manually check annular space and documents it on monthly log

Facility in compliance

Facility ID: 9803298

Toured with
Michael Kane

Report to
Greg Bates
GBates@nbty.com

Matt Weber
Mweber@nbty.com

Inspection Photos

Added Date 07/25/2017

front



Added Date 07/25/2017

front



Added Date 07/25/2017

generator



Added Date 07/25/2017

fill port



Facility ID: 9803298
Added Date 07/25/2017

Added Date 07/25/2017

annunciator

kohler



SITE 21
HANSON ROOF TILE



Environmental Protection and Growth Management Department
POLLUTION PREVENTION, REMEDIATION AND AIR QUALITY DIVISION
One N. University Drive, Suite 102, Plantation, FL 33324
954-519-1260 · FAX 954-519-1494

NOTICE OF PERMIT

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

HANSON ROOF TILE INC
Attention: DAVE NEWTON
1340 SW 34TH AVE
Deerfield Beach, FL 33442

Dear DAVE NEWTON:

Enclosed is a permit No. to operate an air pollution source issued pursuant to Section 403.087, Florida Statutes, Broward County Standard Operating Agreement and Chapter 27, which adopted Florida Administrative Code (FAC) 62-296 and 62-297.

A person whose substantial interests are affected by this permit has a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 62-103 and 28-5.201, F.A.C., and must be filed (received) in the Pollution Prevention, Remediation and Air Quality Division, 115 S. Andrews Avenue, Room A-240, Fort Lauderdale, FL 33301, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes and Chapter 27. This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time, this permit will not be effective until further Order of the Pollution Prevention, Remediation and Air Quality Division. Any party to the Order has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days after this Order is filed with the Clerk of the Department.

Executed in Broward County, Florida

Broward County
Pollution Prevention, Remediation and Air Quality
Division

Jeffery D. Halsey, Director

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on _____ to the listed persons.

Clerk

Date



Environmental Protection and Growth Management Department
POLLUTION PREVENTION, REMEDIATION AND AIR QUALITY DIVISION
One N. University Drive, Suite 102, Plantation, FL 33324
954-519-1260 · FAX 954-519-1494

PERMITTEE:
HANSON ROOF TILE INC
Attention: DAVE NEWTON
1340 SW 34TH AVE
Deerfield Beach, FL 33442

PERMIT NUMBER: *
DATE OF ISSUE: April 22, 2013
EXPIRATION DATE May 06, 2013
COUNTY: Broward
PROJECT: Hanson Roof Tile

This permit issued under the provisions of Chapter 403, Florida Statutes (F.S.), Florida Administrative Code (F.A.C.) Rules 62-4 and 62-210 through 62-297 (permitting requirements) and Broward County Code, Chapter 27 (emission limitations) and in conformance with all existing regulations of the Florida Department of Environmental Protection (FDEP). The Above-named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Broward County Pollution Prevention, Remediation and Air Quality Division (PPRAQ) and made a part hereof and specifically described as follows:

OPERATE: xxx

MODIFICATIONS: xxx

IN ACCORDANCE WITH: xxx

LOCATION: 1340 SW 34TH AVE, Deerfield Beach, FL 33442

TO SERVE: A roof tile manufacturing operation.

SUBJECT TO: General Conditions #1-16 and Specific Conditions #1-31

*This permit supersedes and voids permit -AF

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted and must be completed by the Permittee and enforceable by the Pollution Prevention, Remediation and Air Quality Division (PPRAQ) pursuant to this Code and Sections 403.141, 403.727, or 403.859 through 403.861 of the Florida Statutes (F.S.). The Permittee is placed on notice that PPRAQ will review this permit periodically and may initiate administrative and/or judicial action for any violation of the conditions by the Permittee, its
2. This Permit is valid only for the specific processes and operations applied for and indicated in the approval drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by PPRAQ.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, or any violation of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This Permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interest have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This Permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rule, unless specifically authorized by an order from the Department.
6. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision included the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The Permittee, by accepting this Permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit;
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If for any reason, the Permittee does not comply with or will be unable to comply with any condition or limitation specified in this Permit, the Permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any enforcement action by the Department for penalties or for revocation of this Permit.

9. By accepting this permit, the Permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted facility or activity, that are submitted to the Department, may be used by the Department as evidence in any enforcement proceeding arising under the Florida Statutes or Department rules, except where such use is prohibited by Section 403.1110 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the Permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This Permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300 F.A.C., as applicable. The Permittee shall be liable for any non-compliance of the permitted activity until the transfer approved by the Department.
12. This Permit or a copy thereof shall be kept at the work site of the permitted activity.
13. The Permittee shall comply with the following:
 - (a) Upon request, the Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The Permittee shall hold at the facility or other location designated by this Permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recording for continuous monitoring instrumentation) required by the Permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used; and
 6. the results of such analyses.
14. When requested by the Department, the Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the Permit. If the Permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.
15. The Permittee shall report any periods of non-compliance to the Department immediately by calling 954-519-1499. This also applies when the period of non-compliance is first determined after normal business hours or on weekends and holidays. [F.A.C. Rule 62-4.070(3)]
16. Unless otherwise specified, all references to Florida Administrative Code Chapters 62-47, 62-204, 52-210, 62-212, 62-213, 62-296 and 62-297 as amended, are adopted by Broward County Code, Section 27-173.



Hazardous Material Management Facility Inspection Report

Facility Information DEP Number: 068627909 **POSSE Facility Number:** 01033

Name: Forterra Roof Tile, Inc
 Address: 1340 SW 34TH AVE, FL 33442
 Lat / Long: 26° 17' 59.61" 80° 8' 54.71" Method: AGPS
 Sewage: POTW

Wellfield

Wellfield Name	Zone
NA	NA

Work Performed


- | | |
|--|--|
| <input type="checkbox"/> Pollution Prevention (P2)
<input checked="" type="checkbox"/> Hazardous Materials Inspection (HM)
<input type="checkbox"/> Hazardous Materials Re-Inspection (HMR)
<input type="checkbox"/> Discharge Prevention and Response (DPRI)
<input type="checkbox"/> Installation Inspection (TIN)
<input type="checkbox"/> SQG Compliance Assistance Visit (CAV)
<input type="checkbox"/> Other Type: Hazardous Material | <input type="checkbox"/> Compliance Insp. Complaint Received (TCP)
<input type="checkbox"/> Compliance Inspection (TCI)
<input type="checkbox"/> Compliance Re-Inspection (TCR)
<input type="checkbox"/> Compliance Inspection DRF Received (TCDI)
<input type="checkbox"/> Discharge Evaluation - Short Form (TDI)
<input type="checkbox"/> Closure Inspection (TXI)
<input type="checkbox"/> Closure Inspection - All Tanks Closed (TXIF)
<input type="checkbox"/> Paperwork Only |
|--|--|

Inspection Results

Based on the inspection results and information provided by the owner/operator, this facility APPEARS TO MEET the requirements of Chapter 27 Articles X (Storage Tanks), XII (Hazardous Material), and XIII (Wellfield Protection) of the Broward County Natural Resource Protection Code and Florida Administrative Code 62-761 (Storage Tank Systems), as applicable. (see following pages for details)

Name of On-site Representative Receiving Inspection Results and Debriefing:

Kenny Richards



On-site Representative Signature: _____

Name/Phone Number of Inspector Completing Inspection: Clearvens Jean Baptiste (954-818-7541)

Date Inspection Completed: 7/5/2016

Operation Description at Time of Inspection:

Forterra Roof Tile, Inc
Roofing contractor

Inspector Comments:

The hazardous materials license is in the office and is current 03/01/2015-02/28/2017
Found 2-500 gal. aboveground tank for used oil.
Tanks are stored in secondary concrete containment
Containment is structurally sound, no leaks found
Paints used for the tile colors process properly contained.
These containers located inside a concrete containment area and properly labeled.
All containers properly labeled.
SDS sheets available for inspection.
Facility has 2 battery operated lifts on site
Facility has an aerosol can recycling drum
Found an empty 500g labeled diesel fuel tank
Plant has spill kit station throughout
Facility has several flammable cabinets for used solvents and used paints
Iron oxide room is properly stored/contained
2-20,000g tank OPTEC EC-978 admixture provides color enhancement and efflorescence control
2-20,000g tank calcium chloride base admixture

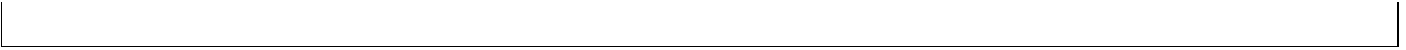
The state of Florida prohibits mercury containing devices, such as fluorescent bulbs, from either being land filled or incinerated. Fluorescent bulbs must be properly labeled "used mercury lamps," stored in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Lamps must be disposed of properly to a Florida permitted mercury recovery and reclamation facility.

All manifests for the waste stream available for inspection.

The site sketch and the site photos were reviewed in the electronic database.

Facility in compliance

Kenny Richards
Kenny.richards@forterrabp.com



Distributed Informational Brochures, if Any--Request for Status Change



HAZARDOUS MATERIAL MANAGEMENT FACILITY LICENSE

License Number: HM-01033-17

Applicant:

Michael Johnson, CFO
Integra Roof Tile
1340 SW 34 AVE
Deerfield Beach, FL 33442

Facility Number: 01033
Forterra Roof Tile, Inc
1340 SW 34TH AVE
Deerfield Beach, FL 33442

This license is issued under the provisions of Chapter 27 of the Broward County Code of Ordinances hereinafter called the Code. The above-named applicant, hereinafter called Licensee, is hereby authorized to perform the work or operate the facility shown on the approved drawings, plans, documents, and specifications submitted by the Licensee and made a part hereof and described specifically below. The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances. If no objection to this license is received within 14 days, the Licensee will be deemed to have accepted it and all the attached terms and conditions.

ALL GENERAL CONDITIONS and SPECIFIC CONDITIONS, on the back of the license or as attached, are considered to constitute the requirements of this license. The Licensee is required to fully comply with all these conditions. Any failure to comply with conditions or requirements as set forth may result in revocation or suspension of this license and may subject the Licensee to enforcement action in accordance with the provisions of Article 1, Division 4 of the Code.

Nature of Business: Roofing Tile Manufacturer

Hazardous Waste Stream: Esqg (2a), Products, Coolant, Solvent, Batteries, Fluorescent Lamps

Well Field: N/A

Septic: No

IMPORTANT: THIS LICENSE IS ISSUED ONLY TO THE LICENSEE FOR THE FACILITY ADDRESS IDENTIFIED ABOVE.

IF THE FACILITY MOVES, CLOSES, OR HAS A CHANGE IN LICENSEE OR ACTIVITY, THE LICENSEE MUST:

- Transfer license to a new owner or operator
- Submit written notification thirty (30) days prior to closing the facility
- Properly remove and/or dispose of all hazardous materials when closing a facility
- Submit application for each hazardous material management facility location(s) in Broward County
- Submit application, secure approval, and call (954) 519-1260 for inspection, prior to installing or modifying storage tanks
- Submit application, secure approval, and call (954) 519-1260 for inspection, prior to removing or moving storage tanks
- Properly maintain storage tanks and the associated license until all tanks are properly closed

The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances.

Application Received: Feb 06, 2017
Effective Date: Mar 01, 2017
Expiration Date: Feb 28, 2019
Issued By: Norris B. Taylor

NORRIS B. TAYLOR, NATURAL RESOURCES SPECIALIST
Phone: 954-519-1457 - Email: nbtaylor@broward.org
POLLUTION PREVENTION DIVISION
www.broward.org/PollutionPrevention

Renewal Application Due: December 30, 2018

(PLEASE SEE LICENSE CONDITIONS ON THE BACK)

HAZARDOUS MATERIAL MANAGEMENT FACILITY LICENSE

GENERAL CONDITIONS

- (1) The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the Licensee and must be completed by the Licensee and are enforceable by The Environmental Protection and Growth Management Department (THE AGENCY) pursuant to this chapter. THE AGENCY will review this license periodically and may revoke or suspend the license, and initiate administrative and/or judicial action for any violation of the conditions by the Licensee, its agents, employees, servants or representatives.
- (2) The license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation, suspension, and/or enforcement action by THE AGENCY.
- (3) In the event the Licensee is temporarily unable to comply with any of the conditions of the license or with the Code, the Licensee shall notify THE AGENCY within eight (8) hours or as stated in the specific section of the Code. Within three (3) working days of the event, the Licensee shall submit a written report to THE AGENCY that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention regarding the repair, replacement and reconstruction of destroyed facilities and a schedule of events leading toward operating within the license condition.
- (4) The issuance of this license does not convey any vested rights or exclusive privileges, nor does it authorize any injury to the public or private property or any invasion of personal rights, or any violation of federal, state or local laws or regulations.
- (5) This license must be available for inspection on the Licensee's premises during the entire life of the license.
- (6) By accepting this license, the Licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this licensed facility or activity, that are submitted to the County, may be used by the County as evidence in any enforcement proceeding arising under the Code, except where such use is prohibited by section 403.111, Florida Statutes.
- (7) The Licensee agrees to comply and shall comply with all provisions of the most current version of the Code.
- (8) Any new owner or operator of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The transferor shall remain liable for performance in accordance with the license until the transferee applies for and is granted a transfer of license. The transferee shall be liable for any violation of the Code that results from the transferee's activities. The transferee shall comply with the transferor's original license conditions when the transferee has failed to obtain its own license.
- (9) The Licensee, by acceptance of this license, specifically agrees to allow access and shall allow access to the licensed source, activity or facility at times to AGENCY personnel for the purposes of inspection and testing to determine compliance with this license and the Code.
- (10) This license does not constitute a waiver or approval of any other license, approval, or regulatory requirement by this or any other governmental agency that may be required.
- (11) Enforcement of the terms and provisions of this license shall be at the reasonable discretion of THE AGENCY, and any forbearance on behalf of THE AGENCY to exercise its rights hereunder in the event of any breach by the Licensee, shall not be deemed or construed to be a waiver of THE AGENCY's rights hereunder.

SPECIFIC CONDITIONS - STORAGE TANK

- (1) The Licensee or responsible party shall not operate in whole or in part a storage tank system that has been granted AGENCY approval of system modification until the engineer's 'As-builts' or 'Record' drawings along with applicable tightness, pressure or vapor recovery test results are submitted and approved by THE AGENCY.
- (2) The Licensee or responsible party shall notify THE AGENCY at least forty-eight (48) hours prior to the start of a storage tank system upgrading, installation, closure or internal inspection performed in accordance with Section 27-305(a) of the Code. To schedule an inspection, call the Pollution Prevention Division at (954) 519-1260.



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Herschel T. Vinyard Jr.
Secretary

05/07/2013

Timothy LeBoeuf, Plant Manager
Hanson Roof Tile
1340 SW 34th Ave
Deerfield Beach, FL 33442-8141

The Florida Department of Environmental Protection has reviewed your form 8700-12FL notification for a new hazardous waste DEP/EPA Identification Number or status/information change. Based on the information received you must use the following identification number for all manifests or reports for **Hanson Roof Tile** located at **1340 SW 34th Ave, Deerfield Beach , FL33442-8141**

FLD984175216

Your facility notified FDEP requesting the following hazardous waste status/activities which **do not require a separate submission: Conditionally Exempt SQG.**

Your facility is **currently registered** for the following activities: **None.**

Your facility is **currently permitted/active** as: **No Active Hazardous Waste Treatment, Storage, or Disposal Permit.**

If you have pending program registrations/certifications or permits, these will be mailed separately. You are required to notify us on form 8700-12FL if there is any change in your operations which would affect your status, activity or contact information. The form is found here:

<http://www.dep.state.fl.us/waste/categories/hwRegulation/pages/NotificationRegulatedWaste.htm>.

To review the details of your status, visit:

http://appprod.dep.state.fl.us/www_RCRA/Reports/handler_results.asp?epaid=FLD984175216.

For further assistance, please contact me at (850) 245-8749 or email at

Glen.Perrigan@dep.state.fl.us .

Sincerely,

A handwritten signature in cursive script that reads 'Glen Perrigan'. Below the signature is the word 'FOR' in small capital letters.

Glen Perrigan
Environmental Manager
Hazardous Waste Regulation Section

ME ID: 11342 , Email Address: timothy.leboeuf@hanson.com



8700-12FL - FLORIDA NOTIFICATION OF REGULATED WASTE ACTIVITY

DEP Waste Management Division-HWRS, MS4560
2600 Blair Stone Rd. Tallahassee, FL 32399-2400
(850) 245-8772

Date Received (for FDEP Official Use Only)

EPA ID FLD984175216

MTS

RCRAInfo

1. Reason for Submittal

RECEIVED MAR 27 2013

Mark 'X' in correct box:

- To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).
To provide subsequent notification (to update status and facility identification information).
Is this the final notification (see instructions) for the facility?

2. Facility or Business Name

Hanson Roof Tile, Inc. - Deerfield Beach

FEID No.

742513534

3. Facility Operator (List additional Operators in the comments section).

Name of Operator:

Lehigh Hanson, Inc. (Charles Piwowarski - Area Env Mgr)

New Operator

Date became Operator: mm dd yy

Street or P.O. Box:

840 West Avenue

Phone Number:

386-734-6228

City or Town:

Deland

State: FL

Zip Code:

32720

Operator Type: Private Federal Municipal State Other

4. Facility Physical Location Information

Physical Street Address:

1340 SW 34th Avenue

City or Town:

Deerfield Beach

State: FL

Zip Code:

33442

County: Broward

If available, please attach a map or sketch of the facility boundaries.

Latitude: 26 18 01.85

Longitude: 80 08 56.82

Method: Google Earth Datum:

5. Facility North American Industry Classification System (NAICS) Code(s)

A. 327390

C. D.

6. Facility or Business Mailing Address

Street Address or P.O. Box:

1340 SW 34th Avenue

City or Town:

Deerfield Beach

State: FL

Zip Code:

33442

7. Facility or Business Contact Person

First Name:

Timothy

Last Name:

LeBoeuf

Title:

Plant Manager

Phone Number:

954-425-4041

Extension:

E-Mail:

timothy.leboeuf@hanson.com

Street or P.O. Box:

1340 Southwest 34th Avenue

City or Town:

Deerfield Beach

State: FL

Zip Code:

33442

8. Real Property (Land) Owner of the Facility's Physical Location (List additional real property owners in the comments section.)

Name of Real Property (Land) Owner:

Hanson Roof Tile, Inc.

New Owner

Date became Owner: mm dd yy

Street or P.O. Box:

840 West Avenue

Phone Number:

City or Town:

Deland

State: FL

Zip Code:

32720

Owner Type: Private Federal Municipal State Other

9. Type of Regulated Waste Activity (Mark 'X' in all that apply):**A. Hazardous Waste Activities:****(1) Generator of Hazardous Waste**

(Choose only one of the following three categories.)

- a. Large Quantity Generator (LQG):
Generates in any calendar month 1,000 kilograms or greater per month (kg/mo) (2,200 lbs.) of *non-acute* hazardous waste; or Greater than 1 kg (2.2 lbs) of *acute* hazardous waste
- b. Small Quantity Generator (SQG):
Generates in any calendar month greater than 100kg/mo but less than 1,000 kg/mo (>220 to <2,200 lbs.) of *non-acute* hazardous waste and/or 1 kg (2.2 lbs) or less of *acute* hazardous waste
- c. Conditionally Exempt SQG (CESQG):
Generates in any calendar month 100 kg/mo or less (220 lbs.) of *non-acute* hazardous waste and 1 kg (2.2 lbs) or less of *acute* hazardous waste

In addition, indicate other generator activities that apply.

- d. United States Importer of hazardous waste
- e. Mixed Waste (hazardous and radioactive) Generator

For Items 2 through 7, mark 'X' in all that apply.

(2) Treater, Storer, or Disposer of Hazardous Waste

(at your facility) Note: A hazardous waste permit may be required for this activity.

- a. Operating Commercial TSD
- b. Operating Non-commercial TSD
- c. Non-operating: Postclosure or Corrective Action Permit or Consent Order (HSWA, etc.)

(3) Recycler of Hazardous Waste (at your facility)Specify: Commercial; Non-Commercial.

A permit is required for storage prior to recycling.

(4) Exempt Boiler and/or Industrial Furnace

- a. Small Quantity On-site Burner Exemption
- b. Smelting, Melting, and Refining Furnace Exemption

(5) Person Authorized to Manage Conditionally Exempt Waste Generated at Other Facilities - Choose this management activity ONLY if you attach EITHER a copy of your application for such authorization OR the authorization you received from FDEP.**(6) Underground Injection Control - Mark an 'X' even if the UIC well at your facility does not receive hazardous waste.****(7) Transporter of Hazardous Waste [Note: A Certificate of Liability Insurance is required along with this registration.]**Registration must be renewed annually. a. For own waste only b. For commercial purposes**c. Hazardous Waste Transporter Insurance Information**

Insurance Company _____

Address _____

Contact _____ Telephone _____

Policy Number _____ Expiration date _____

d. **Transportation Mode** Air Rail Highway Water Other - specify _____e. **Hazardous Waste Transfer Facility:** Storage Volume _____ **Initial notification**

The following items are required to be submitted with the initial notification for a transfer facility [Rule 62-730.171(3), Florida Administrative Code (F.A.C.)]:

- Certification by a responsible corporate officer of the transporter that the proposed location satisfies the criteria of Section 403.7211(2), Florida Statutes (F.S.) [Rule 62-730.171(3)(a)1., F.A.C.]
- Evidence of the transporter's financial responsibility [Rule 62-730.171(3)(a)3., F.A.C.]
- A brief general description of the transfer facility operations [Rule 62-730.171(3)(a)4., F.A.C.]
- A copy of the facility closure plan [Rule 62-730.171(3)(a)5., F.A.C.]
- A copy of the contingency and emergency plan [Rule 62-730.171(3)(a)6., F.A.C.]
- A map or maps of the transfer facility [Rule 62-730.171(3)(a)7., F.A.C.]

 Notification of changes in above items **Annual update notification**

B. Universal Waste (UW) Activities (Mark 'X' in all that apply) ("accumulated" means at any one time):

- Large Quantity Handler (LQH) = 5,000 kg (11,000 lb) or more of any combination of UW accumulated
- Small Quantity Handler (SQH) = always less than 5,000 kg accumulated
- Mercury-containing devices LQH = 100 kg (220 lb) or more accumulated by for-hire handler
- Mercury-containing devices SQH = less than 100 kg accumulated by for-hire handler
- Mercury-containing lamps LQH = 2,000 kg (4400 lbs/8,000 lamps) or more accumulated by for-hire handler
- Mercury-containing lamps SQH = less than 2,000 kg (8,000 lamps) accumulated by for-hire handler
 [Note: 4 lamps = 1 kg, 62-737.200(10)]
- Pharmaceuticals LQH = 5,000 kg or more of universal pharmaceutical waste (UPW) accumulated
- Pharmaceuticals LQH = more than 1 kg (2.2 lb) of acutely hazardous ("P-listed") pharmaceutical waste accumulated
- Pharmaceuticals SQH = always less than 5,000 kg of UPW and always 1 kg or less of acutely hazardous UPW accumulated

(1) For those Managing	Generate/ Accumulate	Transport (see note in instructions)	Handle at Transfer Facility	(2) Enter your estimate of the maximum amount (in pounds) of each type of UW on site or transported at any one time.
a. Batteries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
b. Pesticides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
c. Pharmaceuticals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
d. Mercury Containing Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
e. Mercury Containing Lamps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>

(3) Mercury Recovery and/or Reclamation Facility Note: A hazardous waste permit is required for this activity [Rule 62-737.800, F.A.C.]
 [Chapter 62-737, F.A.C.]

(4) Reverse Distributor of UW Pharmaceuticals Lamps Devices

(5) Destination Facility for UW Note: for this activity, a facility must treat, dispose or recycle a UW. A permit is required for storage prior to recycling.

C. Used Oil Activities:

(1) Used Oil Transporter - indicate type(s) of activity(ies):

- a. Transporter
- b. Transfer Facility

(2) Collection Center

(3) Used Oil Processor (A permit is required for this activity.)

(4) Off-Specification Used Oil Burner

(5) Used Oil Fuel Marketer

(6) Used Oil Filter

- a. Transporter
- b. Transfer Facility
- c. Processor
- d. End User

(8) Specific Certification to be signed by all Used Oil Transporters

I certify as a Used Oil Transporter that the training program and financial responsibility required under Section 62-710.600, F.A.C., are in place, current and being adhered to. If any modifications have been made to the originally approved training program, they are explained in attachments to this registration form. Evidence of financial responsibility is demonstrated by the attached Used Oil Transporter Certificate of Liability Insurance, DEP form 62-710.901(4), F.A.C.

Signature of Authorized Person

Print Name of Authorized Person

(7) Used Oil Transporters, Transfer Facilities, Collection Centers, Off-Specification Burners and Marketers must pay an annual \$100 registration fee. Used Oil Processors are exempt from this fee. If applicable, enclose a check or money order, in the amount of \$100, payable to Florida Department of Environmental Protection.

A check is enclosed.

(9) The records required under the provisions of Rule 62-710.510, F.A.C., are kept at (check one):

- our mailing (business) address
- The site (facility) address

EPA ID No.

FLD984175216

D. Other State Regulated Waste Activities: **Petroleum Contact Water (PCW) Handler** [Chapter 62-740, F.A.C.]

Note: A water facility permit may be required for this activity.

10. Waste Codes for Federally Regulated Hazardous Wastes: List the waste codes of the Federal hazardous wastes handled at your facility. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112).

Hazardous waste transporters list codes routinely or usually transported. Use an additional page if more spaces are needed.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

11. Other Status Changes (Mark 'X' in all that apply):**A. Non-Handler of Regulated Waste at This Facility**

- (1) Business no longer generates, transports, treats, stores, or disposes of hazardous waste
- (2) Waste generated by business has been delisted.
- (3) Other (explain) _____

B. Facility Closed

- (1) Closed at this location and **moved or moving** to another - submit a new Form 8700-12FL for the new location if you will be handling regulated waste there.
- (2) Out of Business - Business closed on _____ (Date). Please provide a contact person, mailing address, and phone number where you can be reached after closing.

Contact _____ Phone _____

Address _____

City, State, Zip _____

 C. Property Tax Default **D. Petition for Bankruptcy Protection**

12. Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. If I have notified as a transfer facility, I am aware that transfer facilities must comply with the requirements of Rule 62-730.171, FAC, and Rule 62-730.182, FAC.

Signature of owner, operator, or an authorized representative

Print Name and Title

Date Signed (mm-dd-yyyy)

Charles Piwowarski, Area Env Mgr

03/25/2013

If the person who filled in this form is not the Facility Contact or Operator, please complete the information below:

(Name of person completing this form)

(Phone Number)

(E-mail Address)

13. Comments:

Facility should be listed as CESQG.

Lehigh Hanson, Inc. - Parent to Hanson Roof Tile, Inc.

Charles Piwowarski - Area Environmental Manager (407) 408-5917 charles.piwowarski@hanson.com

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 8627909

Name: Hanson Roof Tile
1340 Sw 34th Ave
Deerfield Beach, FL 33442- 8141

Contact: Dave Newton**Phone:** 954-421-2077**District:** SED**County:** 06 - Broward**Type:** E-Industrial Plant**Status:** Closed**Latitude:** 26:18:01.0919**Longitude:** 80:08:56.5763**LL Method:** DPHO-Autonomous GPS

Tank #	Size	Content	Installed	Placement	Status	Construction Piping Monitoring
4	3000	Vehicular Diesel	12/01/1981	UNDER	Removed from Site	

*****Note:**

**Construction, Piping, and Monitoring Info not shown for CLOSED tanks
(Status A: Closed in Place, B: Removed from the site).**

SITE 23
CENTURY VILLAGE GOLF COURSE



Environmental Protection and Growth Management Department

ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION

1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

April 18, 2018

Mr. Randall Bast
Fairway Investors, LLC
651 Cardinal St.
Plantation, FL 33324

**RE: Former Hillsboro Pines Golf Course (Deerfield Crossings)
Parcels 1,2,3 (Recreational); Parcel 4 (Stormwater Improvement); Parcel 5 (aka Deerfield Crossing); EAR License Nos. 1283, 1282, and 1281
Filing Address: 450 Century Blvd., Deerfield Beach, FL 33442**

Dear Mr. Bast:

The Broward County Environmental Engineering and Permitting Division (Division) has reviewed the Fourth Quarter Monitoring Report (Report) for the former Hillsboro Pines Golf Course (the "site"), dated March 7, 2018 (received via email March 16, 2018), prepared and submitted by Edward G. Rahrig, P.G., LLC. The Report contains groundwater monitoring results collected throughout the site.

The Division hereby approves the Report and concurs with the recommendation to discontinue groundwater monitoring at this time. However, please note that the Division defers any determination regarding whether or not the sites meets the criteria of Sections 62-780.680(2) or 62-780.680(3), Florida Administrative Code (F.A.C.), until such time that a completed Site Assessment Report (SAR) has been submitted for review. Based upon the information contained in the SAR, the Division may also require further groundwater monitoring.

A SAR Addendum, containing the additional information detailed in the Division's letter dated January 8, 2018, is due to the Division no later than **July 5, 2018**, as extended by the Division by email dated April 13, 2018. If you have any questions regarding this process or the information requested herein, please feel free to contact me at (954) 519-1478 or dvanlandingham@broward.org.

Sincerely,
ENVIRONMENTAL ENGINEERING & PERMITTING DIVISION

David Vanlandingham, P.E., Engineering Unit Supervisor
Cleanup and Waste Regulation Section

ec: E. Lee Worsham, Esq., Shutts & Bowen LLP
Stuart J. Gordon, P.E., Toll Brothers Land Development
Edward G. Rahrig, P.G., Edward G. Rahrig, P.G., LLC
Randall Bast, Fairway Investors, LLC



Environmental Protection and Growth Management Department

ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION

1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

April 18, 2018

Mr. Randall Bast
Fairway Investors, LLC
651 Cardinal St.
Plantation, FL 33324

**RE: Former Hillsboro Pines Golf Course (Deerfield Crossings)
Parcels 1,2,3 (Recreational); Parcel 4 (Stormwater Improvement); Parcel 5 (aka Deerfield Crossing); EAR License Nos. 1283, 1282, and 1281
Filing Address: 450 Century Blvd., Deerfield Beach, FL 33442**

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The Division hereby approves the Report and concurs with the recommendation to discontinue groundwater monitoring at this time. However, please note that the Division defers any determination regarding whether or not the sites meets the criteria of Sections 62-780.680(2) or 62-780.680(3), Florida Administrative Code (F.A.C.), until such time that a completed Site Assessment Report (SAR) has been submitted for review. Based upon the information contained in the SAR, the Division may also require further groundwater monitoring.

A SAR Addendum, containing the additional information detailed in the Division's letter dated January 8, 2018, is due to the Division no later than **July 5, 2018**, as extended by the Division by email dated April 13, 2018. If you have any questions regarding this process or the information requested herein, please feel free to contact me at (954) 519-1478 or dvanlandingham@broward.org.

Sincerely,
ENVIRONMENTAL ENGINEERING & PERMITTING DIVISION

David Vanlandingham, P.E., Engineering Unit Supervisor
Cleanup and Waste Regulation Section

cc: E. Lee Worsham, Esq., Shutts & Bowen LLP
Stuart J. Gordon, P.E., Toll Brothers Land Development
Edward G. Rahrig, P.G., Edward G. Rahrig, P.G., LLC
Randall Bast, Fairway Investors, LLC



Environmental Protection and Growth Management Department

ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION

1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

January 8, 2018

Mr. Randall Bast
Fairway Investors, LLC
651 Cardinal St.
Plantation, FL 33324
Also via email: randallbast@gmail.com

**RE: Former Hillsboro Pines Golf Course (Deerfield Crossings)
Parcels 1,2,3 (Recreational); Parcel 4 (Stormwater Improvement); Parcel 5 (aka Deerfield Crossing)
EAR License Nos. 1283, 1282, and 1281
Filing Address: 450 Century Blvd., Deerfield Beach, FL 33442**

Dear Mr. Bast:

The Broward County Environmental Engineering and Permitting Division (Division) has reviewed the Site Assessment Report (SAR) for the former Hillsboro Pines Golf Course (the "site"), dated and received via email November 22, 2017, prepared and submitted by Edward G. Rahrig, P.G., LLC. The Report contains soil and groundwater assessment data collected throughout the site and was submitted in response to the Division's correspondence dated July 28, 2017.

The Division cannot approve the SAR at this time as it does not fulfill the site assessment requirements of Section 62-780.600, Florida Administrative Code (F.A.C.). Please note the following comments:

- Pesticide contaminants of concern were detected at concentrations exceeding their corresponding Residential Direct Exposure or Leachability-based Soil Cleanup Target Levels (SCTLs) in samples B-7, B-9, and B-10; dieldrin and toxaphene were also detected at concentrations above their corresponding Commercial/Industrial Direct Exposure SCTL in samples B-7 and B-10, respectively. However, it does not appear that any additional assessment was performed to determine the extent of these pesticide impacts, including (but not limited to) their impacts to site groundwater. This of particular relevance and importance due to the fact that these pesticide contaminants, like Arsenic, are carcinogens and must be considered for dosage additivity in any risk assessment calculations to determine Alternative SCTLs. Additional soil and groundwater testing should be performed for these pesticide contaminants of concern.
- Areas of arsenic impacts to soil and groundwater have not been delineated within or beyond the property boundaries. While the SAR contains adequate data for the purposes of an Alternative SCTL calculation, additional soil samples should be collected to determine the extent of arsenic impacts to soil and any correlations at or near the property boundary with arsenic-based herbicide application. Aerial photographs and other historical information may be helpful for this purpose. Similarly, arsenic impacts to groundwater have not been adequately investigated at or beyond the property boundaries. Please collect additional soil and groundwater samples from additional monitoring wells placed in key areas near property boundaries for this purpose. Please note that you may also wish to investigate background characteristics of groundwater entering the properties for comparison purposes.

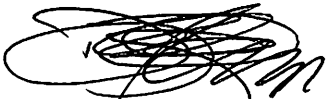
Broward County Board of County Commissioners

Mark D. Bogen • Beam Furr • Steve Geller • Dale V.C. Holness • Chip LaMarca • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org

- While a Wellfield Location and Zone of Influence Map is provided as Figure 8 of the SAR and a discussion of public wellfields is included, please provide a well survey to determine whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a ¼ mile radius of the site as required in Subparagraphs 62-780.600(3)h, F.A.C.
- The SAR does not appear to address surface water. Please clarify whether or not surface water samples were obtained and analyzed for key contaminants of concerns (Arsenic and pesticides). If not, then please note that surface water samples should be collected for this purpose.

A response containing the additional information requested herein should be submitted as a SAR Addendum, due to the Division no later than **May 4, 2018**. If you have any questions regarding this process or the information requested herein, please feel free to contact me at (954) 519-1478 or dvanlandingham@broward.org.

Sincerely,
ENVIRONMENTAL ENGINEERING & PERMITTING DIVISION



David Vanlandingham, P.E.
Engineering Unit Supervisor

ec: E. Lee Worsham, Esq., Shutts & Bowen LLP
Stuart J. Gordon, P.E., Toll Brothers Land Development
Edward G. Rahrig, P.G., Edward G. Rahrig, P.G., LLC



Edward G. Rahrig, P.G. LLC
1086 SW Sultan Drive
Port St. Lucie, Florida 34953

561-738-4667
edrahrig@comcast.net

Mr. David Vanlandingham, P.E.
Engineering Unit Supervisor
Broward County Environmental Assessment and Remediation Section
1 North University Drive, Mailbox 201
Plantation, Florida 33324

November 1, 2018

**Subject: Site Assessment Report Addendum (SARA)
Former Hillsboro Pines Golf Course
450, 451, 2799, 2800, and 2801 Century Boulevard, Deerfield Beach, Florida
COM_330833**

Dear Mr. Vanlandingham:

We are pleased to present this Site Assessment Report Addendum (SARA) for the five contiguous parcels comprising the former Hillsboro Pines Golf Course in Deerfield Beach (Broward County), Florida (the "Subject"; Figures 1a and 1b, attached). The SARA was requested after review of our November 20, 2018 Site Assessment Report (SAR). In a letter dated January 8, 2018 (copy attached) you provided four SAR review comments that need to be addressed prior to approving the SAR. Our responses to your four comments with our conclusions and recommendations are presented below.

Response to Comment #1

One or more organochlorine pesticides were identified in soil samples collected from three borings (B-7, B-9, and B-10) at concentrations exceeding their respective Soil Cleanup Target Levels (SCTLs). On March 1, 2018, we advanced three (3) step-out borings surrounding each of the three original boring locations at which organochlorine pesticides were detected. A total of 9 step-out borings (B-89 through B-97) were advanced approximately 20 feet from the original borings. Soil grab samples were collected at depths of 0.5 and 2 feet at each step-out boring location and submitted for organochlorine pesticide laboratory analysis using EPA Method 8081. In addition, groundwater grab samples were collected from each of the 9 step-out borings (using a *Geoprobe SP-15* groundwater sampler) and analyzed for organochlorine pesticides. The locations of the original and step-out borings are depicted on Figures 2 (B-7, B-9) and 3 (B-10). Analytical results for the original and step-out borings are summarized in Table 1.

Chlordane was originally detected in B-7 (depth 0.5') at a concentration of 5,700 ug/kg, which is greater than its direct exposure SCTL. Dieldrin was also detected in B-7 (depths 0.5' and 2')

at concentrations of 317 and 144 ug/kg, which are greater than its direct exposure and leachability SCTLs. No organochlorine pesticide compounds were detected in samples collected from the three step-out borings (B-89 to B-91) surrounding B-7 at a concentration greater than its FDEP direct exposure or leachability SCTL.

Dieldrin was originally detected in B-9 (depths 0.5' and 2') at concentrations of 3.18 and 2.36 ug/kg, which are less than its direct exposure SCTL of 60 ug/kg and slightly greater than its leachability SCTL of 2 ug/kg. Dieldrin was detected in one of the three step-out borings surrounding B-9 (B-92, depth 0.5') at a concentration of 2.04 micrograms per kilogram (ug/kg), which is less than its direct exposure SCTL of 60 ug/kg and slightly greater than its leachability SCTL of 2 ug/kg.

Dieldrin was originally detected in boring B-10 (depths 0.5' and 2') at concentrations of 78.8 and 9.46 ug/kg. Both concentrations are greater than its leachability SCTL of 2 ug/kg and one exceeds its direct exposure SCTL of 60 ug/kg. Toxaphene was originally detected in boring B-10 (depth 0.5') at a concentration of 5,210 ug/kg, which is greater than its direct exposure SCTL of 900 ug/kg, but less than its leachability SCTL of 31,000 ug/kg. Dieldrin was detected in one of three step-out borings surrounding B-10 (B-96, depths 0.5' and 2') at concentrations of 47.8 and 815 ug/kg. Both Dieldrin concentrations exceed its leachability SCTL of 2 ug/kg, and the sample collected at 2 feet exceeds its direct exposure SCTL of 60 ug/kg. Toxaphene was detected in the same boring (B-96, depths 0.5' and 2') at concentrations of 1,020 and 1,830 ug/kg. Both Toxaphene concentrations exceed its direct exposure SCTL of 900 ug/kg, but neither sample exceeded its leachability SCTL of 31,000 ug/kg.

No organochlorine pesticide compounds were detected in any of the nine new or twelve original groundwater grab samples beneath the Subject at a concentration greater than their respective laboratory method detection limits.

Laboratory analytical reports and Chain-of-Custody for the step-out borings are attached.

Comment #1 Conclusions and Recommendations

Chlordane and Dieldrin were detected in soil grab samples collected from B-7 at concentrations greater than its direct exposure SCTL at depths of 0.5 and 2 feet. These compounds were not detected in any of the three step-out borings (B-89, B-90, and B-91), which suggests the detected pesticide compounds in soil surrounding B-7 are limited in extent. No further assessment of this area is recommended. Dieldrin was detected in borings B-9 and B-92 at concentrations slightly greater than its leachability SCTL. Since Dieldrin was not detected in any of the collected groundwater grab samples and detected Dieldrin concentrations in the original or step-out borings (B-92, B-93, and B-94) do not exceed its residential exposure SCTL, no further assessment of this area is recommended.

Dieldrin and Toxaphene were detected in original boring B-10 and step-out boring B-96 ug/kg) at concentrations greater than their direct exposure and leachability SCTLs. Since Dieldrin and Toxaphene pesticides were detected in collected samples at concentrations greater than their default residential direct exposure SCTLs, we recommended the presence of these pesticides in these areas need to be addressed through a risk evaluation.

Pesticide Risk Evaluation Summary

Dr. Christopher M. Teaf, Ph.D., President and Director of Toxicology at Hazardous Substance & Waste Management Research, Inc., was requested to evaluate potential exposure concerns to the public by the Subject property. Using our 2017 and 2018 pesticide analytical data Dr. Teaf evaluated the presence of organochlorine pesticides in shallow soil, groundwater, surface water, and sediment on or beneath the Subject property. Using the 2017 and 2018 analytical datasets, Dr. Teaf prepared an Amended Focused Risk Assessment (AFRA) pesticide evaluation dated April 6, 2018 (copy attached). Based on these limited datasets, Alternate Soil Cleanup Target Levels (ASCTLs) of 1.7 and 2.4 mg/kg for Dieldrin and Toxaphene were calculated. Dr. Teaf recommended delineation at the impacted area down to the ASCTLs and the delineated areas be addressed using a Soil Management Plan.

In a memo addressed to you dated August 22, 2018 (copy attached), Dr. Teaf discussed using an expanded analytical dataset that included a third pesticide dataset for the Subject submitted by EE&G in 2014 (in addition to our 2017 and 2018 datasets). Based on the larger dataset, a more robust statistical analysis of the analytical data was performed. Based on the results of this analysis, Dr. Teaf concluded that while managing site soil using an SMP was a reasonably conservative option from a risk management perspective, the calculated ASCTLs and statistical analysis using all available data clearly indicates an SMP would not be necessary to address potential exposure concerns to the pesticides present in Subject property soil.

Based on Dr. Teaf's work, we recommend addressing potential pesticide exposure concerns through use of a Deed of Restrictive Covenant restricting use of the Subject property to a passive recreational park.

The August 22, 2018 memo also noted recent revisions to Chapter 62-780, F.A.C. removed the requirement that individual reported site concentrations must be less than three times the final ASCTL, and considerations for potential additivity (e.g. of Subject property contaminants of concern) may be discontinued except for dioxins/PCBs, carcinogenic PAHs, and certain pesticide groups (Toxaphene and Dieldrin excepted).

No organochlorine pesticide was detected in any of the nine new or twelve original groundwater grab samples at a concentration greater than its laboratory method detection limit. Consequently,

organochlorine pesticide compounds in groundwater are not a concern and no further pesticide assessment is recommended.

Response to Comment #2

Soil Assessment

Soil borings presented in the original SAR were located within representative exposure units (EUs) on the Subject property. We believe additional soil or groundwater assessment within Parcels 1 through 4 (the 'passive park' parcels) is not necessary at this time based on proposed use of these Parcels as a passive park under a Deed of Restrictive Covenant.

Since Parcel 5 and the east portion of Parcel 4 (the 'development parcels') are proposed for residential development and stormwater management, implementation of an SMP that would include additional assessment of the development parcels is recommended once subsurface infrastructure and final elevation grading for the proposed residential development is completed. Soil sampling detail, including proposed EU's and soil sample location map will be provided in the SMP for the development parcels. The SMP will be provided to you for review prior to implementation.

Groundwater Assessment

During preparation of the SAR, twenty monitor wells were installed within the Subject property. Groundwater samples were collected quarterly for total and dissolved arsenic for a period of one year. Detailed results of the quarterly groundwater monitoring program have been previously submitted and approved. Groundwater analytical data are summarized on Figure 4.

Arsenic was detected in several collected groundwater samples at concentrations greater than its GCTL of 10 micrograms per liter (ug/L). Detected arsenic is from the historic use of arsenic-containing agricultural chemicals including monosodium methyl arsenate (MSMA). Comparison of the quarterly arsenic groundwater analytical data to groundwater analytical data collected by EE&G in 2014 indicate arsenic concentrations in groundwater beneath the Subject are stable or decreasing and meet FDEP's "stable or shrinking" criteria. The stability or decrease in arsenic groundwater concentrations are attributed in part to the fact MSMA or fertilizers are no longer being applied on the Subject property. Fluctuations in quarterly arsenic concentrations are attributed to seasonal variations in groundwater elevation and naturally occurring geochemical processes.

Conceptual Site Model

Historic application of MSMA and fertilizers to the golf course playing surfaces was performed using focused commercial spray equipment and broadcast spreaders. Solutions containing arsenic in surface-applied MSMA typically percolate vertically downward in site soil until adsorbed by the soil matrix or reaching the ambient groundwater table. Horizontal migration of arsenic in groundwater has been observed to be limited in areas that have a low hydraulic gradient, unless influenced to some degree by local elevation changes or other external influences such as surface water bodies or wellfields. To a lesser extent, arsenic may also be transported via surface runoff from rainfall or irrigation.

Not only is arsenic being detected in soil and groundwater samples beneath the playing surfaces (e.g. greens, tees, and fairways) on the Subject, arsenic is also being detected in soil and groundwater samples collected from beneath non-playing areas where MSMA was unlikely to have been applied (such as roughs and landscaped areas that would be adversely affected by MSMA). The source of the detected arsenic in soil and groundwater samples collected from these non-playing areas are likely from two mechanisms:

1. The horizontal migration of the groundwater plume created by high hydraulic gradients caused by abrupt local elevation changes such as between golf course playing area features (e.g. greens, tees, and fairways) and non-playing areas such as adjacent roughs and landscaped areas; and
2. Arsenic-containing surface runoff generated by irrigation and rainwater from the MSMA/fertilizer application areas and moving horizontally downslope.

According to our conceptual site model (CSM), the horizontal migration of arsenic in groundwater created by abrupt local elevation changes is believed to be very local in extent, in this case generally no more than approximately 10 to 20 feet from the lower edge of the elevation feature. The distance of any potential arsenic migration is likely governed by the magnitude and distance of the local elevation change. Examples of this phenomenon are observed in several site-specific examples described below and conceptually depicted on Figure 5.

MW-5 is located in a rough, within 20 feet of a flat stretch of fairway. There is no significant elevation change between the playing surface where MSMA was applied and the rough where no MSMA was applied. Consequently, the CSM predicts migration of arsenic in groundwater beneath the rough is not likely. In this case, arsenic was not detected above its GCTL in MW-5 for four quarters even though it is in relatively close proximity to the MSMA application area. MW-16 is also located in a rough, within 20 feet of a flat stretch of fairway. As was the case with MW-5, there is no significant elevation change between the playing surface where MSMA was applied and the rough where no MSMA was applied. Consequently, the CSM predicts

migration of arsenic in groundwater beneath this area is also unlikely. In this case, arsenic was not detected above its GCTL in MW-16 for four quarters.

MW-7 and MW-15 are located in flat, landscaped areas approximately 15 to 20 feet off the toe of elevated golf course greens. In this case there is an 8 to 10-foot elevation difference between the greens where MSMA was applied and the landscaped areas where the wells are located and no MSMA was applied. The CSM predicts local migration of arsenic in groundwater is anticipated on the slope between the green and landscaped area, but not likely beyond 20 feet or so from the toe of the slope. Arsenic was detected at concentrations only slightly above its GCTL in these wells. Based on our CSM, arsenic concentrations are expected to decrease quickly as you move away from the toe of the slope.

MW-18 is located in a narrow rough, between two sloping fairways where MSMA was applied. In this case, the CSM predicts arsenic in groundwater beneath the fairway with a higher elevation will migrate beneath the rough and towards the fairway at a lower elevation. Arsenic was detected in samples collected from MW-18 at concentrations greater than its GCTL. Where the slope begins to flatten, the CSM predicts lower concentrations of arsenic, such as in MW-19, a well located in a rough only a few feet from a flat area of fairway.

Surface runoff of arsenic is driven by rainfall events and the use of the irrigation system. Field observations confirm golf course features where MSMA and fertilizer have been applied such as greens, tees, bunkers, knolls, and fairways are typically higher in elevation than the adjoining roughs. Consequently, localized surface runoff is anticipated to migrate from topographically higher areas to topographically lower areas. Cases where this has presumed to occur are where arsenic has been detected at low concentrations in soil samples from the non-playing areas on the perimeter of the golf course. Site specific examples of this phenomenon are observed in shallow soil samples collected from borings B-81, B-61, B-62, B41, B-43, B-2, B-25, and B-36 (SAR Figures 6a through 6d). Arsenic derived from MSMA or fertilizer via surface runoff is not anticipated to any significant degree on adjacent properties.

Soil and groundwater data discussed above was previously submitted in the SAR and may be referenced therein.

Third-Party Assessment

A soil and groundwater sampling event was performed in September 2018 by EE&G on behalf of the CVE Master Management Company. A copy of EE&G's summary report is attached for reference. EE&G collected and analyzed soil and groundwater samples from condominium association properties located around the perimeter of the Subject. Samples are depicted to have been collected within a few feet of the Subject property boundary. Of the 80 soil samples described in EE&G's summary report, arsenic was reported in only three samples at

concentrations greater than its default residential SCTL. Two of the three samples, collected from the same location, contained arsenic at concentrations of 5.0 mg/kg (0 to 0.5 feet) and 4.1 mg/kg (0.5 to 2 feet). The third sample was reported to contain arsenic at a concentration of 2.5 mg/kg (0 to 0.5 feet). Depicted sample locations appear to be in areas adjacent to significant golf course elevation changes, thus detected arsenic may be from potential runoff and/or the use of fertilizer originating from either the Subject or adjacent property.

Of note, none of the soil or groundwater samples collected by EE&G were reported to contain organochlorine pesticides at concentrations greater than their respective SCTLs/GCTLs.

Near-Offsite Soil and Groundwater Assessment

At the County's request, eight near-offsite monitor wells (MW-21 through MW-28) were installed on condominium association properties located adjacent to the Subject property. The wells were installed to determine if significant migration of arsenic is occurring either away from or onto the Subject property. Installation of the wells occurred on October 2 and 3, 2018 and locations are depicted on Figure 4. Location of the near-offsite wells was based on several factors: accessibility, elevation change between the Subject and adjacent property, and the groundwater arsenic concentration in nearby Subject property wells. Soil and groundwater samples were collected for laboratory analysis at each location.

A Florida-licensed water well contractor installed the groundwater monitor wells using a *Geoprobe* direct push drill rig and *Geoprobe* pre-pack monitor well screen assemblies. The 1.5" diameter PVC wells include a 10-foot pre-fabricated stainless steel prepack screen enclosing 6-20 silica sand and 0.010-slot PVC screen. Variable lengths of solid 1.5" PVC riser were used between the well screens and the ground surface. Well screens were set at a depth of two feet above to eight feet below the ambient water table at each monitor well location. The annulus was backfilled as necessary with a fine sand seal and neat cement grout to the ground surface. After installation, the monitor wells were developed using a small centrifugal pump and finished with either concrete collar pads, water-tight caps, and 5-inch diameter bolt-down water-tight manholes (in paved areas) or water tight caps within a plastic irrigation manhole and cover (in grass areas). The eight wells were arranged into four two-well pairs distributed near but offsite from the following Subject property wells: MW-1/MW-8, MW-10, MW-13, and MW-19/MW-20. These wells were selected in part because they contain arsenic at relatively higher concentrations.

Copies of the well completion reports for the eight monitor wells are attached.

An attempt was made to install a fifth well pair near MW-14 but site access requirements imposed by the property owner (Lyndhurst H condominium association) were deemed impractical. However, a monitor well (MW-LYN-H-1) was installed on this property September

5, 2018 by EE&G. EE&G's well is located approximately 20 feet from our MW-14 and is depicted on Figure 4.

Near-Offsite Soil Analytical Results

Soil grab samples were collected from each monitor well boring at depths of 0.5 and 2 feet below grade (16 total samples) and analyzed for total arsenic. Samples were transported to the laboratory under Chain-of-Custody for intake processing and chemical analysis. Results of the soil analyses are summarized in Table 2. Arsenic was not detected in any of the collected soil samples at concentrations greater than its default residential SCTL.

The laboratory analytical reports and Chain-of-Custody form are attached.

As noted above, it was not possible for us to install monitor wells or collect soil or groundwater samples from well borings at the proposed Lyndhurst H property location. However, two composite soil samples from two areas on Lyndhurst H property were collected by EE&G along the property boundary between Lyndhurst H and the Subject property at depths of 0 to 0.5 and 0.5 to 2 feet (four samples total). The four soil samples were analyzed for total arsenic. One of the four samples was also selected for organochlorine pesticide analysis. No arsenic or organochlorine pesticide compounds were reported above its SCTL by EE&G in any of the soil samples collected from Lyndhurst H property. A copy of EE&G's summary report is attached for reference.

Near-Offsite Groundwater Analytical Results

On October 9, 2018 we collected groundwater samples from the eight near-offsite monitor wells (MW-21 through MW-28) for total and dissolved arsenic analysis. Sample collection was performed in accordance with FDoH SOP. At each location, the manhole cover and well cap were removed and depth to groundwater measured using an electronic water level meter. A length of disposable HDPE tubing was then lowered into the well, with the end of the tubing placed two feet below the top of the measured water table. The other end of the tubing was connected to a variable speed peristaltic pump, which discharged to a flow cell containing a probe from a YSI Professional Series Pro Plus hand-held multi-parameter instrument. Discharge from the flow cell was directed to a calibrated 5-gallon bucket for concurrent flow rate measurements. A constant flow rate was maintained during purging and sampling of each monitor well. The measured flow rate during the sampling event was calculated to range from 0.21 to 0.25 gallons per minute. Purge volume for each well ranged from 1.5 to 3.5 gallons, depending on turbidity.

The following parameters were measured or reported for each monitor well:

- Time
- Volume (gallons)
- Cumulative volume (gallons)
- Purge rate (gallons per minute; kept constant at each well)
- Depth to water (feet)
- pH (standard units)
- Temperature (degrees Centigrade)
- Conductivity (uS/cm)
- Dissolved Oxygen (% saturation)
- Turbidity (NTUs; measured using a Hach 2100 turbidity instrument)
- Color (visual description), and
- Odor (olfactory description).

After the measured parameters met FDEP Stabilization Criteria, groundwater samples were collected using laboratory-supplied containers and stored on wet ice. Samples were transported to an FDoH certified laboratory under Chain-of-Custody for intake processing and chemical analysis. Results of the near-offsite groundwater analyses are summarized in Table 2 and depicted on Figure 4. Arsenic was not detected in any of the collected groundwater samples at concentrations greater than its GCTL.

The laboratory analytical reports, Chain-of-Custody form, and groundwater sampling logs are attached.

As noted above, it was not possible to install monitor wells or collect groundwater samples at the proposed Lyndhurst H property location. However, one monitor well (MW-LYN-H-1) was installed on September 5, 2018 by EE&G. The well, constructed by the same water well contractor using the same design as described in this SARA, is located along the property boundary between Lyndhurst H and the Subject property, approximately 20 feet from our MW-14 and is depicted on Figure 4. Groundwater samples were collected by EE&G on September 7, 2018 and analyzed for total arsenic and organochlorine pesticides. Arsenic was not reported in this well at a concentration greater than its laboratory method detection limit of 7.1 ug/L, which is less than its GCTL of 10 ug/L. No organochlorine pesticide compounds were reported above its GCTL by EE&G in the collected groundwater samples.

Comment #2 Conclusions and Recommendations

According to our conceptual site model (CSM), the most likely mechanism for migration of arsenic in groundwater and soil at the Subject property are from local hydraulic gradients (caused by changes in golf course elevation features) and, to a lesser degree, from surface runoff (created by rainfall and irrigation). Soil and groundwater data provided in the SAR, in this SARA, and reported by EE&G in their sampling event summary report support the CSM conclusion

migration of arsenic in soil and groundwater to offsite adjoining property is not occurring to any significant degree. Based on empirical data, arsenic migration in soil or groundwater is likely limited to 20 feet or less. The near-offsite groundwater results also support the conclusion arsenic does not appear to be migrating onto the Subject property from an offsite source.

We believe soil and groundwater assessment of the Subject property has been completed, and that information contained in the SAR and this SARA satisfy the requirements of Chapter 62-780, F.A.C.

We recommend a Deed of Restrictive Covenant be prepared for the Subject property. The deed should include limiting the use of Parcels 1 through 4W to a passive park and restrict the use of groundwater beneath all five parcels. No additional soil or groundwater assessment of Parcels 1 through 4W is recommended at this time.

The Deed of Restrictive Covenant would allow development of Parcels 4E and 5 under a Soil Management Plan (SMP) to be provided to you under separate cover. The SMP will describe soil, surface water, and groundwater management practices that must be followed to meet the requirements of the Deed of Restrictive Covenant during site development. Additional sampling and analysis of surficial soils will be required by the SMP at each exposure unit (EU) prior to occupancy.

Disposition of the arsenic-impacted soil detected on two adjacent properties by EE&G in their 2018 sampling event should be discussed and addressed in the proposed SMP.

Response to Comment #3

We conducted a well survey in the vicinity of the Subject. The purpose of the well survey was to locate any public potable supply wells located within ½ mile of the Subject and any private supply wells located within ¼ mile of the Subject. Sources included the Florida Department of Health (FDOH), the South Florida Water Management District (SFWMD), and field observations. Based on our research, we have identified the following wells:

- The FDOH identified five active public water supply wells within ½ mile of the east property boundary, east of Military Trail. The wells, which are depicted on Figure 6, are owned and operated by the City of Deerfield Beach and Broward County as public potable water supply wells. Based on the quarterly analytical data collected from two monitor wells (MW-5 and MW-16) located closest to the identified public wells, arsenic concentrations are not increasing over time. This suggests the public supply wells do not have an impact on arsenic located beneath the Subject property and that the arsenic beneath the Subject property does not appear to be adversely affecting the public wellfield. According to a City utility department representative, the most recent arsenic

analyses performed on samples collected from one of the supply wells did not detect arsenic above its laboratory minimum detection limit.

Requests for assistance with identifying and locating private wells within ¼ mile of the Subject was sent to the SFWMD and to the Broward County Health Department. A response from the SFWMD or the health department has not been received. Once a response is provided by the SFWMD or the health department and if information contained in the response is considered to present an environmental concern, we will notify you in writing.

It should be noted the use of groundwater beneath the Subject property will be prohibited by a proposed Deed of Restrictive Covenant. Use of groundwater beneath the Subject or adjacent residential development (e.g. Century Village) would require permits from SFWMD and the FDEP and thus effectively deter use of groundwater beneath the Subject and adjacent property without regulatory agency approval and oversight.

Comment #3 Conclusions and Recommendations

Based on analytical data collected from two Subject property monitor wells located closest to the identified public water supply wells, on analytical data reported for the one of the supply wells, on groundwater assessment data collected in 2014, 2017, and 2018, and on near offsite groundwater analytical results, it is unlikely the groundwater plume beneath the Subject is migrating or being influenced by the public supply wells. No additional onsite or offsite groundwater assessment or potable well testing is recommended.

Response to Comment #4

Collection and analysis of surface water and lake sediment samples from onsite stormwater lakes was performed November 15, 2017. A total of 10 surface water samples (SW-1 through SW-10) and 7 sediment samples (SED-1 through SED-7) were collected at the locations depicted on Figure 7. Surface water samples were analyzed for total and dissolved arsenic and sediment samples were analyzed for total arsenic. Results of the analyses are summarized in Tables 3 and 4. Arsenic was detected in all ten surface water samples at concentrations ranging from 0.90 to a maximum of 2.4 micrograms per liter (ug/L), which is less than its FDEP primary drinking water standard of 10 ug/L, and significantly less than its FDEP surface water standard of 50 ug/L.

Arsenic was detected in lake sediment samples at concentrations ranging from below the laboratory method detection limit to a maximum of 2.2 milligrams per kilogram (mg/kg), which is slightly greater than its FDEP unrestricted residential soil cleanup target level of 2.1 mg/kg.

The laboratory analytical reports and Chain-of-Custody form are attached.

Dr. Teaf reviewed the surface water and sediment analytical results referenced above as part of his April 6, 2018 Amended Focused Risk Assessment (copy attached). He concluded none of the detected arsenic concentrations present an exposure or environmental concern.

Comment #4 Conclusions and Recommendations

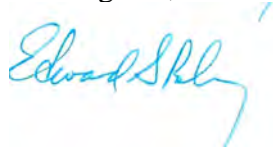
Surface water at the Subject property is not significantly impacted by arsenic and does not present an exposure concern to residents and may be used for irrigation purposes with the approval of Broward County, FDEP, and the SFWMD.

Although one of the sediment samples (SED-3) contained arsenic at a concentration slightly greater than its unrestricted residential cleanup target level, the presence of arsenic in lake sediment does not present a concern to surface water quality of the Subject or surrounding area. Since this sediment sample is located within the 'development parcel', we recommend management of all disturbed sediment under the development parcel SMP prior to its relocation onsite or transportation offsite.

Sampling and analysis of samples for organochlorine pesticides was deemed unnecessary based on the arsenic surface water and sediment analytical results, the lack of organochlorine pesticides detected in historical site groundwater samples by us and others, and that organochlorine pesticides are far less mobile than arsenic in the environment.

We hope our responses to your review comments are found to be acceptable and that our Site Assessment Report Addendum will be approved. Please feel free to contact me with any questions you may have regarding this SARA.

Best regards,



Edward G. Rahrig, P.G.
Environmental Consultant

PROFESSIONAL CERTIFICATION

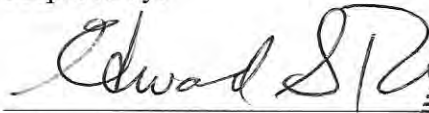
I, Edward G. Rahrig, P.G. #1237, certify that I currently hold an active license in the State of Florida and am competent through education and experience to provide the geologic service contained in this report and meet the requirements outlined below:

62-780.400 Professional Certifications

- (1) Applicable portions of technical documents submitted by the PRSR to the Department shall be signed and sealed by a professional engineer registered pursuant to Chapter 471, F.S., or a professional geologist registered pursuant to Chapter 492, F.S., certifying that the applicable portions of the technical document and associated work comply with standard professional practices, this chapter and other rules of the Department, and any other applicable laws and rules governing the profession. If a laboratory report is submitted separately from any other technical document submittal, this requirement shall not apply to that laboratory report.

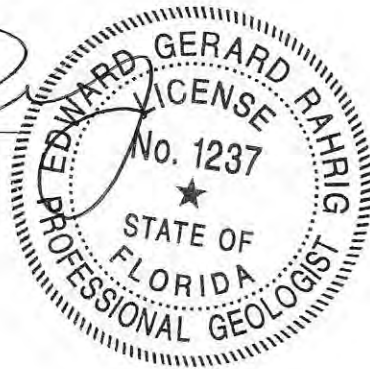
Moreover, I certify that Edward G. Rahrig, P.G., LLC is a single-member Limited Liability Corporation and is not required to hold an active certificate of authorization to provide geological services.

Prepared by:



Edward G. Rahrig, P.G.
Managing Member
Edward G. Rahrig, P.G., LLC

Date: 11/1/2018





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Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Site Location Map
 Scale: 1" = 1 Mile



Drawn By

ER

Date:

November 1, 2018

Job No.:

62102.07

Figure No.:

1a





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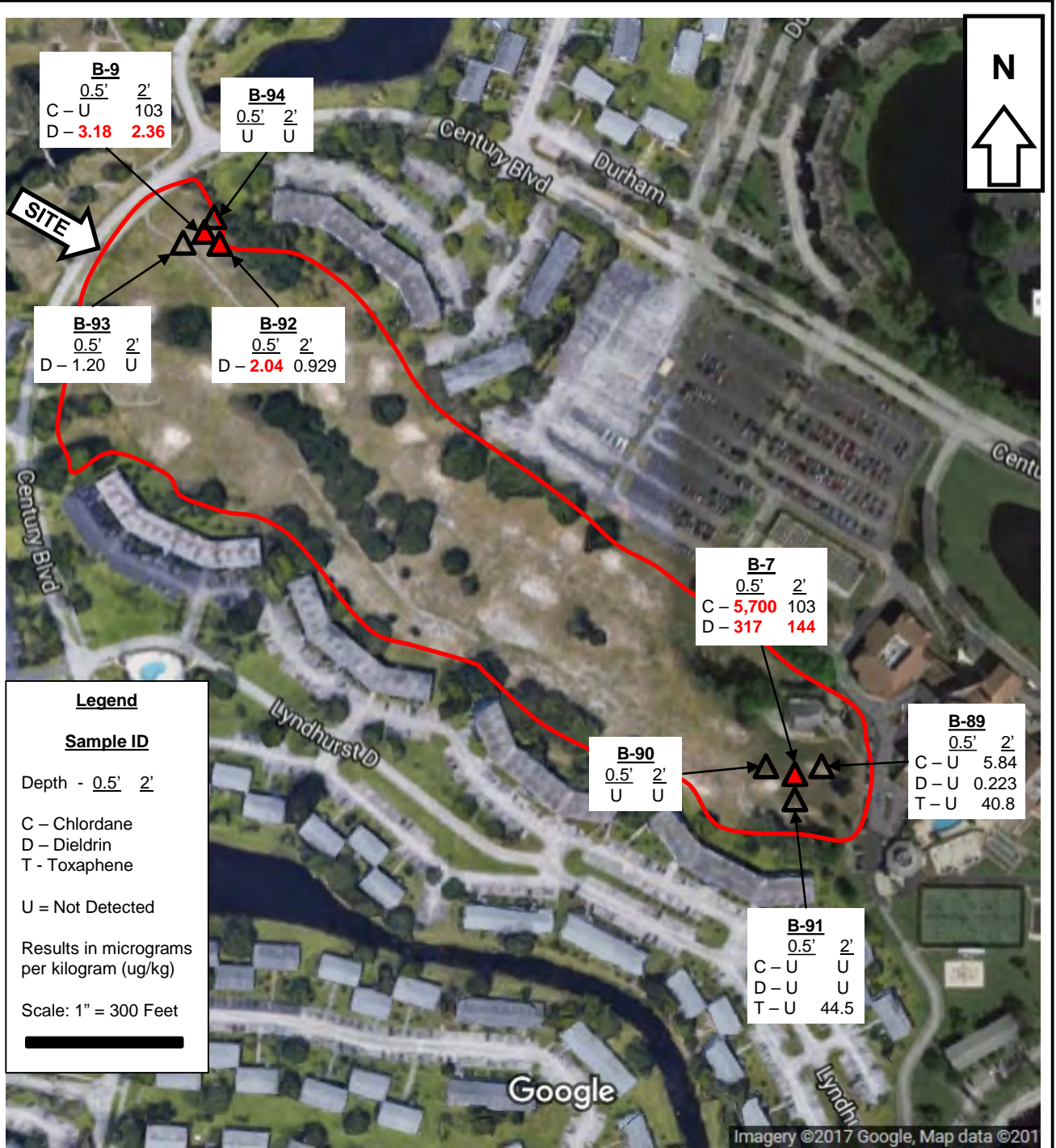
Site Assessment Report Addendum
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Subject Property Boundary Map	Drawn By	ER	Date:	November 1, 2018	Figure No.:	1b
			Job No.:	62102.07		

LEGEND

 Approximate Property Boundary

Scale: 1" = 500 Feet




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Site Assessment Report Addendum
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Organochlorine Pesticide
 Soil Analytical Results (ug/kg)

Drawn By
 ER

Date: November 1, 2018
 Job No.: 62102.07

Figure No.:
 2



B-10	
	<u>0.5'</u> <u>2'</u>
H - U	2.63
C - 1,430	79.6
D - 78.8	9.46
T - 5,210	216

B-95	
	<u>0.5'</u> <u>2'</u>
U	U

B-97	
	<u>0.5'</u> <u>2'</u>
U	U

B-96	
	<u>0.5'</u> <u>2'</u>
E - U	4.68
H - U	9.40
C - 239	236
D - 47.8	815
T - 1,020	1,830

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Site Assessment Report Addendum
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Organochlorine Pesticide
Soil Analytical Results (ug/kg)

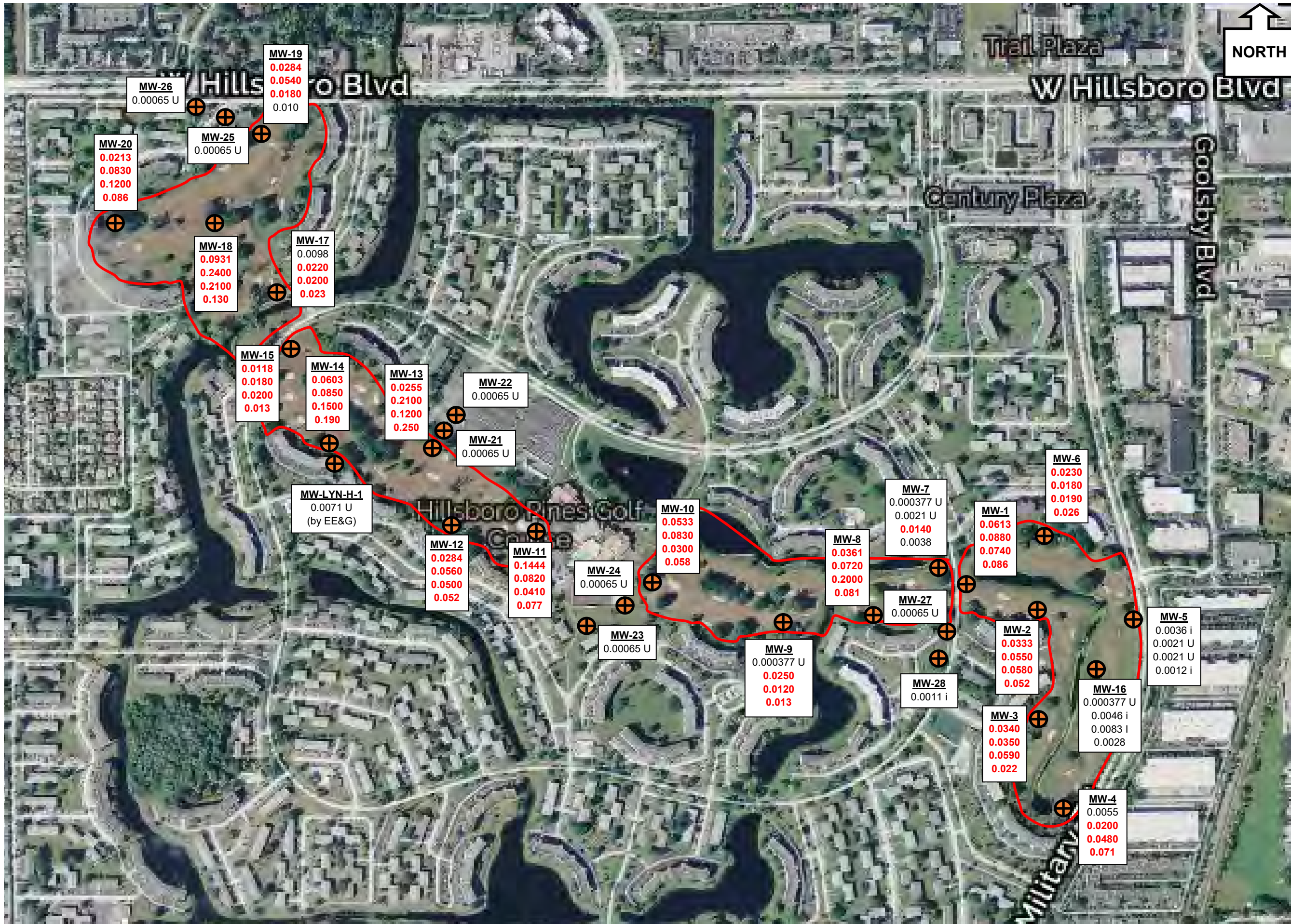
Drawn By
ER

Date: November 1, 2018

Job No.: 62102.07

Figure No.:

3



Site Assessment Report Addendum
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

EDWARD G. RAHRIG, P.G. LLC
 1086 Southwest Sultan Drive
 Port St. Lucie, Florida 34953
 Tel: (561) 738-4667 Fax: (888) 848-0816

Groundwater Analytical Summary (includes near offsite data)	Drawn By	ER
	Date:	November 1, 2018
Job No.:		62102.07
Figure No.:		4

LEGEND

- ⊕ Monitor Well Location
- Results in milligrams per liter (mg/l)
- **Red** denotes arsenic detected above GCTL

Well ID
1st Quarter
2nd Quarter
3rd Quarter
4th Quarter

Scale: 1" = 500 Feet





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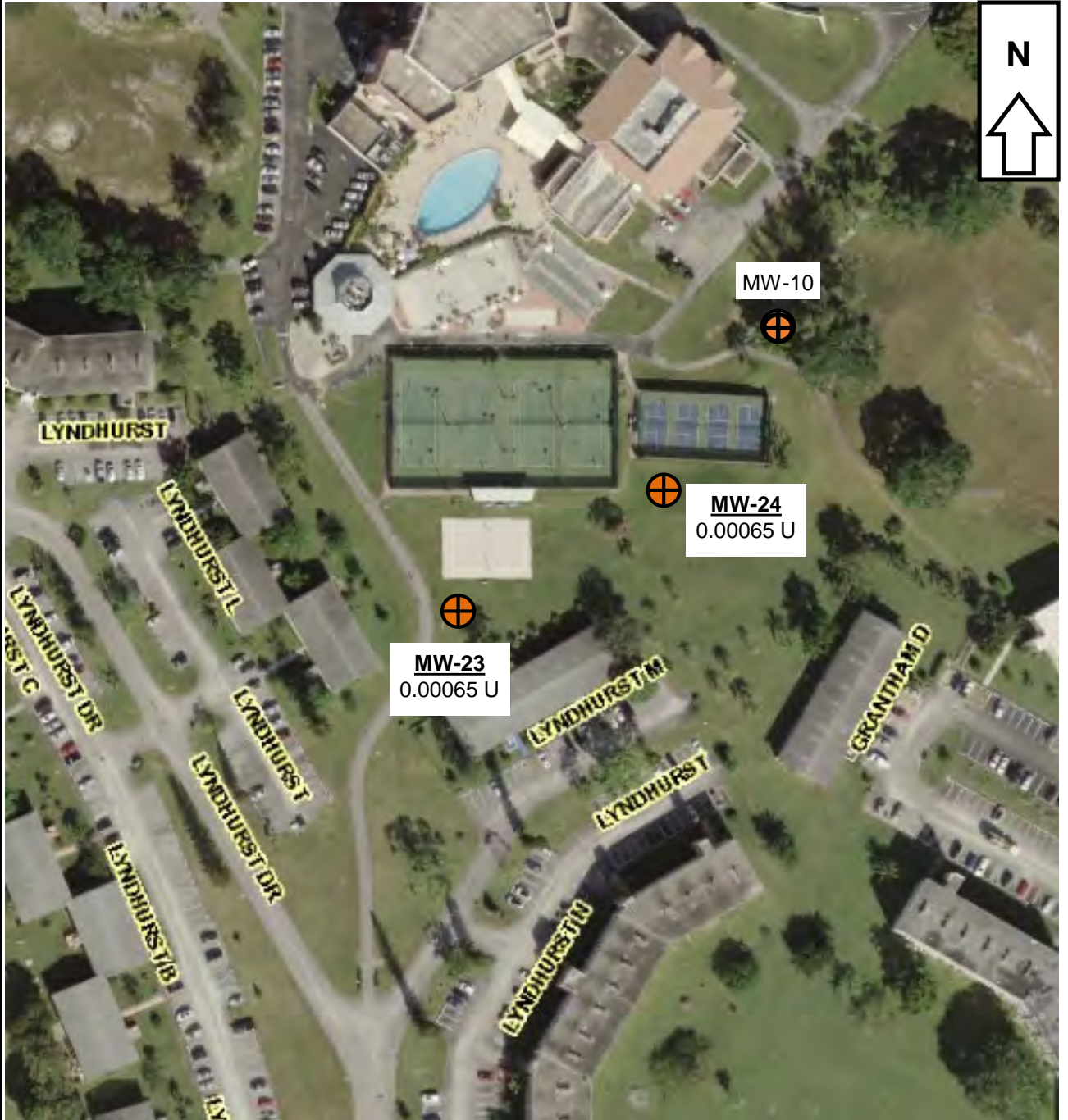


Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Near Offsite Well Locations for MW-13
 Scale: 1" = 75 Feet



Drawn By ER	Date: November 1, 2018	Figure No.: 4a
	Job No.: 62102.07	



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Site Assessment Report Addendum
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Near Offsite Well Locations for MW-10
 Scale: 1" = 140 Feet



Drawn By

ER

Date:

November 1, 2018

Job No.:

62102.07

Figure No.:

4b



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Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Near Offsite Well Locations for MW-19
 Scale: 1" = 90 Feet



Drawn By

ER

Date:

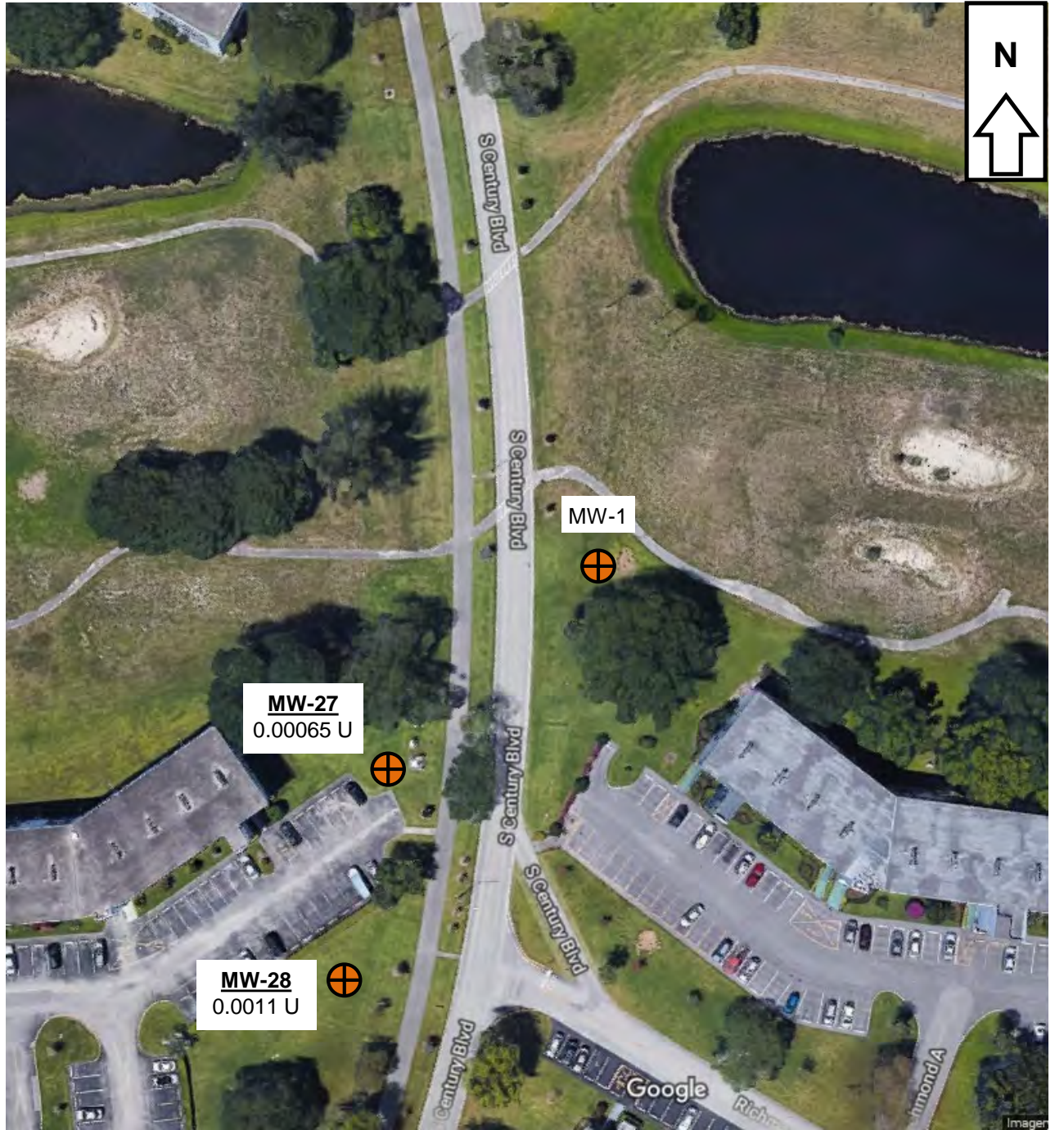
November 1, 2018

Job No.:

62102.07

Figure No.:

4c



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Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Near Offsite Well Locations for MW-1
 Scale: 1" = 90 Feet



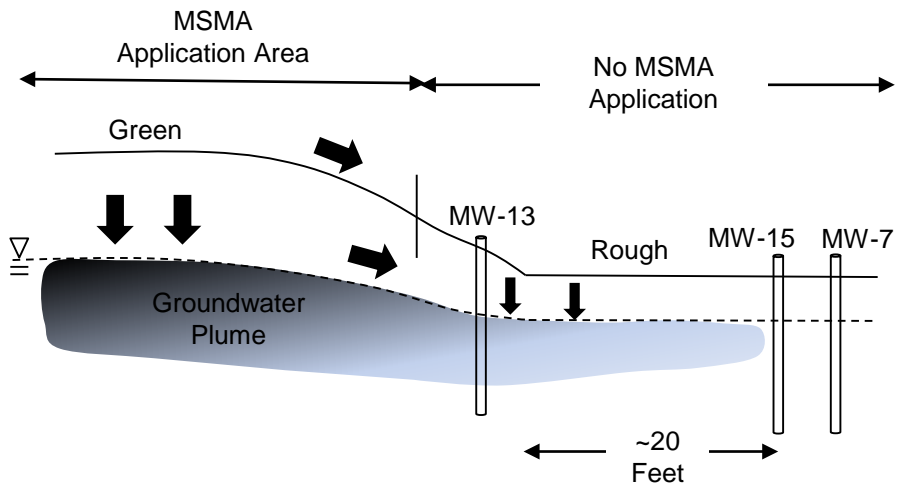
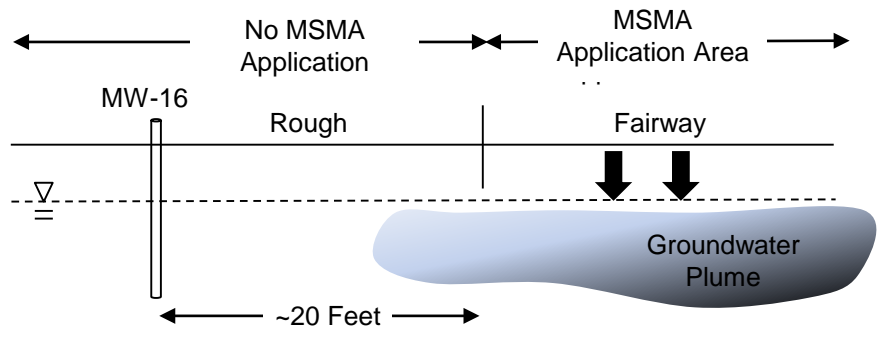
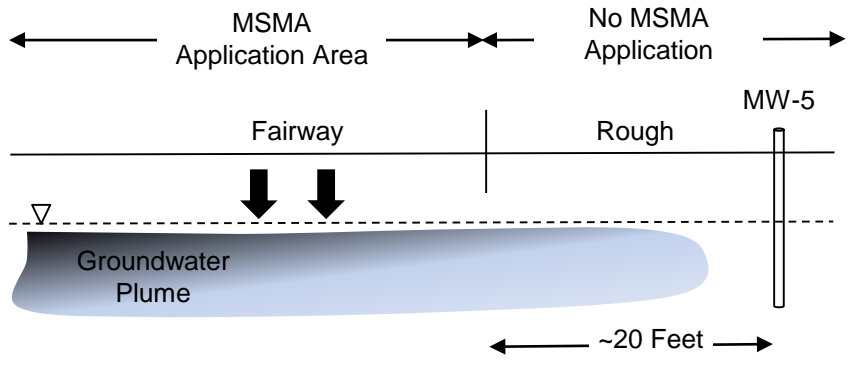
Drawn By
 ER

Date: November 1, 2018

Job No.: 62102.07

Figure No.:

4d



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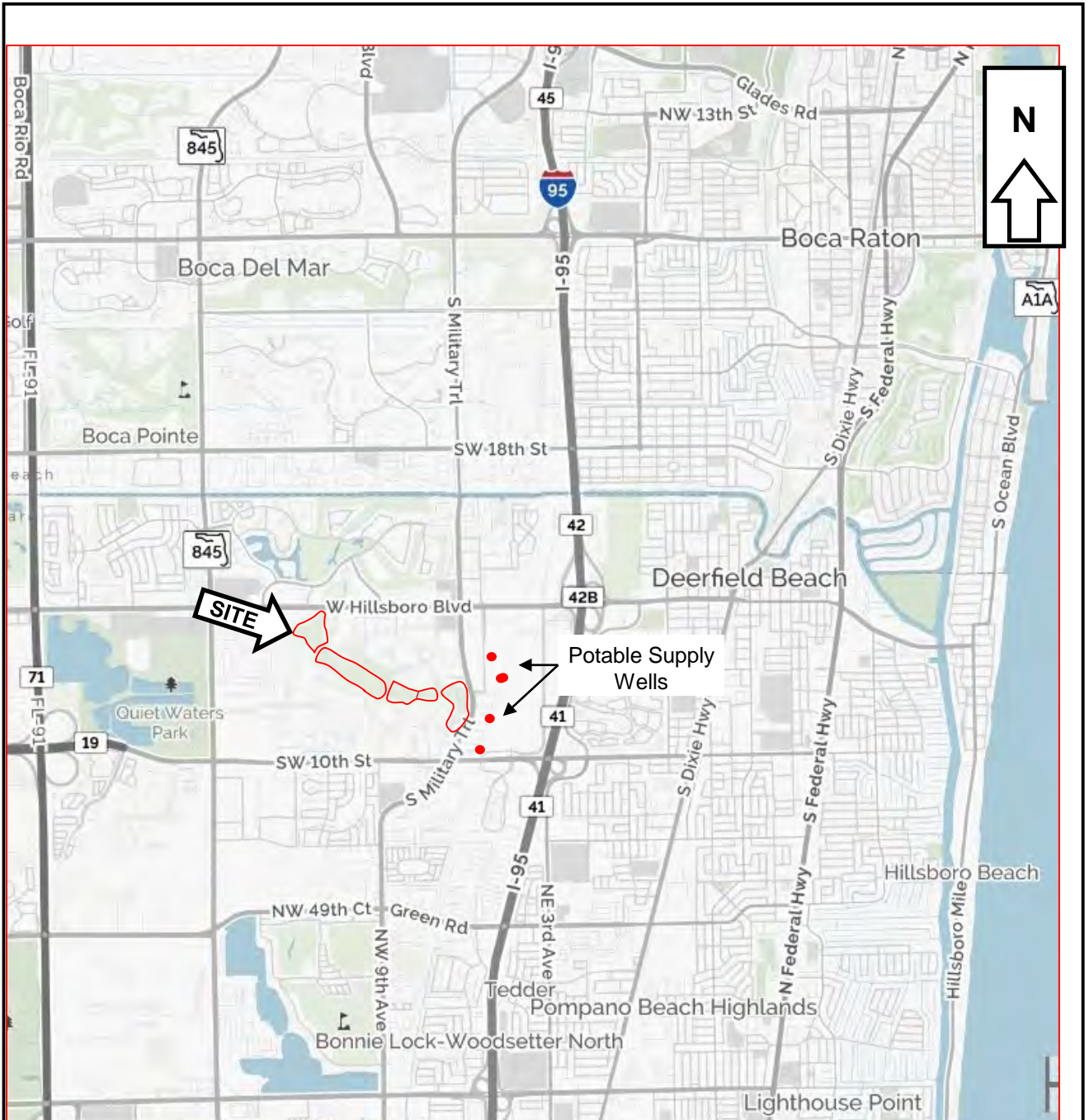
Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Conceptual Site Model for
 MSMA Migration Pathways
 Not to Scale

Drawn By
 ER

Date: November 1, 2018
 Job No.: 62102.07

Figure No.:
 5



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Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Potable Well Location Map
 1" = 1 Mile



Drawn By

ER

Date:

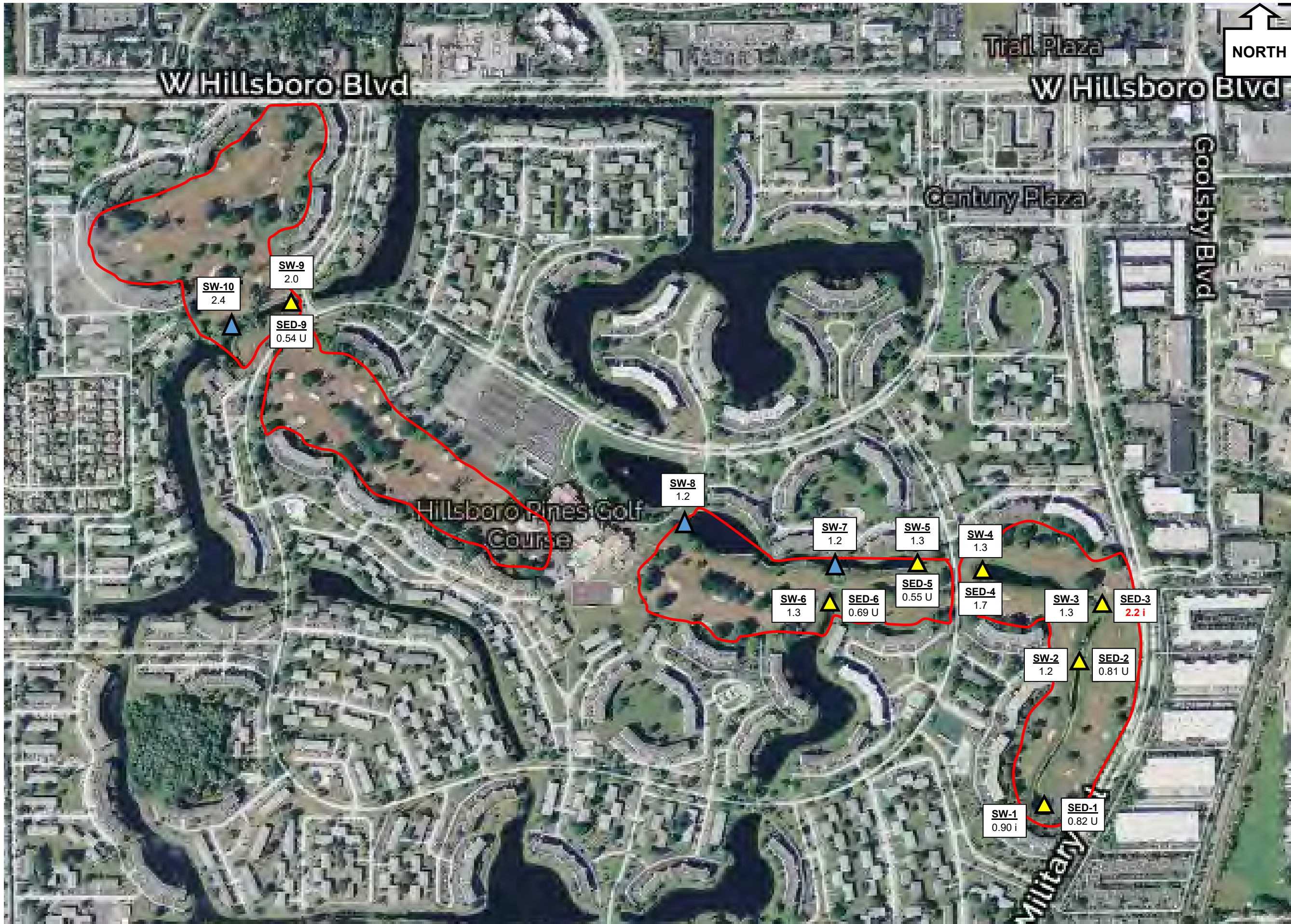
November 1, 2018

Job No.:

62102.07

Figure No.:

6



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Site Assessment Report Addendum
 Former Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Surface Water and Sediment Sampling Locations	Drawn By	ER
	Date:	November 1, 2018
	Job No.:	62102.07
	Figure No.:	7

LEGEND



-  Surface Water Sample Location
-  Surface Water and Sediment Sample Location
- Surface water results presented in micrograms per liter (ug/L)
- Sediment results presented in milligrams per kilogram (mg/kg)
- Scale: 1" = 500 Feet



Table 1 Supplemental Pesticide Analytical Summary (Hits Table)

Boring Type	Boring and Contaminant	Depth and Concentration (ug/kg)		Direct Exposure SCTL	Leachability SCTL	
Original Boring	B-7	0.5'	2'			
	Chlordane	5,700	103	2,800 ug/kg	9,600 ug/kg	
	Dieldrin	317	144	60 ug/kg	2.0 ug/kg	
Step-out Borings	B-89	0.5'	2'			
	Chlordane	U	5.84	2,800 ug/kg	9,600 ug/kg	
	Dieldrin	U	0.223 i	60 ug/kg	2.0 ug/kg	
	Toxaphene	U	40.8	900 ug/kg	31,000 ug/kg	
	B-90	0.5'	2'			
	Chlordane	U	U			
	Dieldrin	U	U			
	Toxaphene	U	U			
	B-91	0.5'	2'			
	Chlordane	U	U			
Dieldrin	U	U				
Toxaphene	U	44.5	900 ug/kg	31,000 ug/kg		
Original Boring	B-9	0.5'	2'			
	Chlordane	U	U	2,800 ug/kg	9,600 ug/kg	
	Dieldrin	3.18	2.36	60 ug/kg	2.0 ug/kg	
	Toxaphene	U	U	900 ug/kg	31,000 ug/kg	
Step-out Borings	B-92	0.5'	2'			
	Chlordane	U	U	2,800 ug/kg	9,600 ug/kg	
	Dieldrin	2.04	0.929	60 ug/kg	2.0 ug/kg	
	Toxaphene	U	U	900 ug/kg	31,000 ug/kg	
	B-93	0.5'	2'			
	Chlordane	U	U			
	Dieldrin	1.20	U	60 ug/kg	2.0 ug/kg	
	Toxaphene	U	U			
	B-94	0.5'	2'			
	Chlordane	U	U			
Dieldrin	U	U				
Toxaphene	U	U				
Original Boring	B-10	0.5'	2'			
	Heptachlor Epoxide	U	2.63	100 ug/kg	600 ug/kg	
	Chlordane	1,430	79.6	2,800 ug/kg	9,600 ug/kg	
	Dieldrin	78.8	9.46	60 ug/kg	2.0 ug/kg	
Toxaphene	5,210	216	900 ug/kg	31,000 ug/kg		
Step-out Borings	B-95	0.5'	2'			
	Chlordane	U	U			
	Dieldrin	U	U			
	Toxaphene	U	U			

	B-96	0.5'	2'		
	4,4' -DDE	U	4.68	2,900 ug/kg	18,000 ug/kg
	Heptachlor Epoxide	U	9.40	100 ug/kg	600 ug/kg
	Chlordane	239	236	2,800 ug/kg	9,600 ug/kg
	Dieldrin	47.8	815	60 ug/kg	2.0 ug/kg
	Toxaphene	1,020	1,830	900 ug/kg	31,000 ug/kg
	B-97	0.5'	2'		
	Chlordane	U	U		
	Dieldrin	U	U		
	Toxaphene	U	U		

Soil samples collected using Geoprobe DPT on March 1, 2018

Bold = detected concentration greater than its FDEP SCTL

µg/kg = micrograms per kilogram

U = Reported value was analyzed but not detected above the laboratory method detection limit

i = reported value is between the laboratory method detection limit and the practical quantitation limit

Table 2 – Near Offsite Soil and Groundwater Analytical Summary

Boring/MW Name	Depth and Soil Analytical Results (mg/kg)		Groundwater Analytical Results (total; µg/L)	Groundwater Analytical Results (dissolved; µg/L)
	0.5'	2'		
MW-21	0.5'	2'		
Arsenic	0.084 U	0.084 U	0.65 U	0.65 U
MW-22	0.5'	2'		
Arsenic	0.086 U	0.084 U	0.65 U	0.65 U
MW-23	0.5'	2'		
Arsenic	0.35 i	0.084 U	0.65 U	0.65 U
MW-24	0.5'	2'		
Arsenic	0.56	0.083 U	0.65 U	0.65 U
MW-25	0.5'	2'		
Arsenic	0.56	0.22 i	0.65 U	0.65 U
MW-26	0.5'	2'		
Arsenic	0.24 i	0.12 i	0.65 U	0.65 U
MW-27	0.5'	2'		
Arsenic	0.12 i	0.085 U	0.65 U	0.65 U
MW-28	0.5'	2'		
Arsenic	0.25 i	0.085 U	1.1 i	1.1 i

Soil samples collected using Geoprobe DPT on October 2 and October 3, 2018

Groundwater samples collected October 9, 2018

µg/L = micrograms per liter

mg/kg = milligrams per kilogram

U = Reported value was analyzed but not detected above the laboratory method detection limit

i = reported value is between the laboratory method detection limit and the practical quantitation limit

Table 3 Summary of Surface Water Analytical Results (ug/L)

Sample ID	Total Arsenic	Dissolved Arsenic
SW-1	0.90 I	0.62 i
SW-2	1.2	0.70 i
SW-3	1.3	0.76 i
SW-4	1.3	0.77 i
SW-5	1.3	0.75 i
SW-6	1.3	0.70 i
SW-7	1.2	0.68 i
SW-8	1.2	0.71 i
SW-9	2.0	1.2
SW-10	2.4	1.4

i = Reported value is between the laboratory method detection limit and laboratory practical quantitation limit

Table 4 Summary of Lake Sediment Analytical Results (mg/kg)

Sample ID	Total Arsenic
SED-1	0.82 U
SED-2	0.81 U
SED-3	2.2 I (d)
SED-4	1.7
SED-5	0.55 U
SED-6	0.69 U
SED-9	0.54 U

U = Compound was analyzed for but not detected at the noted minimum detection limit.

i = Reported value is between the laboratory method detection limit and laboratory practical quantitation limit

(d) = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference

Samples collected November 15, 2017



Environmental Protection and Growth Management Department
ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION
1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

January 8, 2018

Mr. Randall Bast
Fairway Investors, LLC
651 Cardinal St.
Plantation, FL 33324
Also via email: randallbast@gmail.com

**RE: Former Hillsboro Pines Golf Course (Deerfield Crossings)
Parcels 1,2,3 (Recreational); Parcel 4 (Stormwater Improvement); Parcel 5 (aka Deerfield Crossing)
EAR License Nos. 1283, 1282, and 1281
Filing Address: 450 Century Blvd., Deerfield Beach, FL 33442**

Dear Mr. Bast:

The Broward County Environmental Engineering and Permitting Division (Division) has reviewed the Site Assessment Report (SAR) for the former Hillsboro Pines Golf Course (the "site"), dated and received via email November 22, 2017, prepared and submitted by Edward G. Rahrig, P.G., LLC. The Report contains soil and groundwater assessment data collected throughout the site and was submitted in response to the Division's correspondence dated July 28, 2017.

The Division cannot approve the SAR at this time as it does not fulfill the site assessment requirements of Section 62-780.600, Florida Administrative Code (F.A.C.). Please note the following comments:

- Pesticide contaminants of concern were detected at concentrations exceeding their corresponding Residential Direct Exposure or Leachability-based Soil Cleanup Target Levels (SCTLs) in samples B-7, B-9, and B-10; dieldrin and toxaphene were also detected at concentrations above their corresponding Commercial/Industrial Direct Exposure SCTL in samples B-7 and B-10, respectively. However, it does not appear that any additional assessment was performed to determine the extent of these pesticide impacts, including (but not limited to) their impacts to site groundwater. This is of particular relevance and importance due to the fact that these pesticide contaminants, like Arsenic, are carcinogens and must be considered for dosage additivity in any risk assessment calculations to determine Alternative SCTLs. Additional soil and groundwater testing should be performed for these pesticide contaminants of concern.
- Areas of arsenic impacts to soil and groundwater have not been delineated within or beyond the property boundaries. While the SAR contains adequate data for the purposes of an Alternative SCTL calculation, additional soil samples should be collected to determine the extent of arsenic impacts to soil and any correlations at or near the property boundary with arsenic-based herbicide application. Aerial photographs and other historical information may be helpful for this purpose. Similarly, arsenic impacts to groundwater have not been adequately investigated at or beyond the property boundaries. Please collect additional soil and groundwater samples from additional monitoring wells placed in key areas near property boundaries for this purpose. Please note that you may also wish to investigate background characteristics of groundwater entering the properties for comparison purposes.

- While a Wellfield Location and Zone of Influence Map is provided as Figure 8 of the SAR and a discussion of public wellfields is included, please provide a well survey to determine whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a ¼ mile radius of the site as required in Subparagraphs 62-780.600(3)h, F.A.C.
- The SAR does not appear to address surface water. Please clarify whether or not surface water samples were obtained and analyzed for key contaminants of concerns (Arsenic and pesticides). If not, then please note that surface water samples should be collected for this purpose.

A response containing the additional information requested herein should be submitted as a SAR Addendum, due to the Division no later than **May 4, 2018**. If you have any questions regarding this process or the information requested herein, please feel free to contact me at (954) 519-1478 or dvanlandingham@broward.org.

Sincerely,
ENVIRONMENTAL ENGINEERING & PERMITTING DIVISION



David Vanlandingham, P.E.
Engineering Unit Supervisor

cc: E. Lee Worsham, Esq., Shutts & Bowen LLP
Stuart J. Gordon, P.E., Toll Brothers Land Development
Edward G. Rahrig, P.G., Edward G. Rahrig, P.G., LLC

HSWMR

Hazardous Substance & Waste Management Research, Inc.

2976 Wellington Circle West
Tallahassee, Florida 32309
Phone: (850) 681-6894
Fax: (850) 906-9777
www.hswmr.com



FROM: Christopher M. Teaf, Ph.D.
President & Director of Toxicology

Douglas J. Covert
Project Manager

TO: E. Lee Worsham, Esq.
Shutts & Bowen, LLP

DATE: 6 April 2018

SUBJECT: Former Hillsboro Pines Golf Course Amended Focused Risk
Assessment - Pesticide Evaluation

INTRODUCTION

Following productive discussions with Broward County Environmental Engineering and Permitting Division (Division) personnel, additional soil and groundwater sampling and analysis for pesticide constituents of interest was conducted at the former Hillsboro Pines Golf Course (the Site). In addition, surface water and sediment samples were collected from onsite stormwater retention lakes/ponds and analyzed for arsenic. This amended focused risk assessment supplements the November 1, 2017 HSWMR memo regarding arsenic in soils at the Site.

DATA SUMMARY & ANALYSIS

Surface Water and Sediment

Ten surface water samples and seven sediment samples were collected from on-site stormwater retention areas in November 2017 and analyzed for arsenic. The surface water samples reported a maximum concentration of 2.4 ug/L, more than 20-times lower than the Florida surface water standard of 50 ug/L, and approximately 4-times lower than the Florida primary drinking water

standard of 10 ug/L. It is noted that the drinking water standard typically is not applicable to surface water bodies, and certainly is not applicable to small-acreage stormwater retention ponds. Likewise, the sediment samples exhibited low arsenic concentrations, with a maximum result of 2.2 mg/kg, 15-times lower than the Florida Sediment Quality Assessment Guideline Probable Effects Concentration (SQAG PEC; MacDonald, et al., 2003) of 33 mg/kg, 4.5-times lower than the SQAG Threshold Effects Concentration (TEC) of 9.79 mg/kg, and essentially equal to the human health residential direct exposure Florida Cleanup Target Level (CTL; FDEP, 2005) for soil of 2.1 mg/kg. The latter guideline is merely presented for comparison purposes, as it is not applicable to inundated, inaccessible sediments.

With no reported arsenic concentrations that are of interest, neither surface water nor sediment is further addressed in this amended focused risk assessment.

Groundwater and Soil

In early March 2018, Mr. Edward Rahrig, P.G. oversaw the installation and sampling of step-out borings in the vicinity of previous sample locations that exhibited localized elevated pesticide impacts (specifically chlordane, dieldrin, and toxaphene). Samples of groundwater and soil were collected from the borings and analyzed for organochlorine pesticides by EPA Method 8081 (Semivolatiles by GC).

Consistent with the results for groundwater pesticide sampling and analysis in 2014 and 2017, none of the groundwater samples collected in March 2018 exhibited concentrations in excess of available guidelines, or even in excess of reported laboratory detection limits. Further, a formal institutional control is planned to prohibit access to and use of groundwater beneath the Site. Thus, groundwater is not further addressed in this addendum.

Three borings were advanced surrounding each of the three locations that exhibited elevated soil pesticide results in 2017 (nine borings total around

locations B-7 and B-9 on Parcel 3, and B-10 on Parcel 1). Locations are presented in the SAR Addendum (Rahrig, 2018) on Figures 2 and 3, and the analytical results are summarized on Table 1 of that document.

As shown on SAR Addendum Table 1, none of the Parcel 3 step-out samples around former locations B-7 and B-9 (0.5' and 2' samples at B-89 through B-94) reported a soil concentration for chlordane, dieldrin, or toxaphene in excess of their respective direct exposure default residential SCTLs. One dieldrin result (2.04 ug/kg in B-92 at 0.5') was essentially equal to the leachability SCTL for dieldrin of 2.0 ug/kg.

Likewise, none of the samples from two of the Parcel 1 borings around former location B-10 (B-95 and B-97) exhibited a soil concentration for chlordane, dieldrin, or toxaphene in excess of their respective direct exposure default residential SCTLs. The 2' sample from boring B-96 showed a dieldrin concentration (815 ug/kg) in excess of the direct exposure SCTL of 60 ug/kg, and both samples from boring B-96 (0.5' at 1,020 ug/kg and 2' at 1,830 ug/kg) reported exceedances of the toxaphene direct exposure SCTL (900 ug/kg).

In summary, 1 of the 9 borings and 2 of the 18 samples exhibited soil pesticide concentrations in excess of direct exposure default residential SCTLs, confirming that the preliminary impacts that were identified in two previous characterization efforts are localized and may be addressed through focused soil management activities.

EXPOSURE ASSESSMENT & RISK EVALUATION

At a site such as the former Hillsboro Pines Golf Course property (undeveloped land bordered on all sides by multifamily residential buildings, parking lots, or roadways), some level of direct human exposure to soil reasonably may be anticipated for receptors participating in such activities as recreational use or infrequent visitation, and occupational use. It is noted that the current on-site community [Century Village East (CVE)] is an adult-only residential community (e.g., minimum 55 years of age requirement for

occupancy), so the default residential arsenic SCTL scenario developed by FDEP, which assumes aggregated child/adult exposures, is not strictly applicable, except for initial screening purposes. The following sections of this focused risk assessment describe reasonable non-residential exposure scenarios that are applicable for comparison regarding direct contact soil exposure potential at the Site.

Recreational Visitor (Park User) Scenario

Regarding potential recreational exposures, such as may occur in the planned, dedicated undeveloped park or green space areas of the Site, it is assumed that oral, dermal, and inhalation exposure may occur to a child/adolescent for 15 years (pre-K to grade 12 school years), with a body weight of 39 kg (USEPA, 2011; 50th percentile values for age groups from 3-17; Table 8-3), a soil ingestion rate of 120 mg/day (3 years at 200 mg/day and 12 years at 100 mg/day; USEPA, 2011, Table 5-1), an exposure frequency of 192 days/year (assuming 5 days/week during school year (180 days) plus 1 day/week during summer (12 days)), and a target cancer risk goal of one-in-one-million (1×10^{-6} or 1E-06; FDEP, 2005). These are considered to be highly conservative assumptions for the current evaluation, given the adult-only residential character of the community and the lack of specific desirable features for a child/adolescent visitor (e.g., playground equipment). The algorithm and exposure assumptions that were used to develop the recreational use Alternative SCTLs (ASCTLs) for dieldrin and toxaphene are presented on Figure 1 in Attachment A to this amended focused risk assessment. As shown on Figure 1, the Recreational Visitor ASCTLs calculated via this conservative approach are 170 ug/kg and 2,400 ug/kg for dieldrin and toxaphene, respectively.

It is understood that the future property owners have an interest in developing the property as more of an active recreational area with shuffleboard courts, tennis courts, picnic pavilions, etc., rather than the passive park with walking trail envisioned by the exposure scenario above. Use of other park/visitor scenarios with older age groupings would yield less restrictive (higher)

ASCTLs. Further, the presence of additional impervious surfaces would allow for sequestration of impacted soils, and would be expected to reduce the amount of time spent on accessible landscaped surfaces.

Occupational (Maintenance, Landscaping) Scenario

In addition to the above-described recreational ASCTL, Figure 1 also presents a site-specific outdoor worker scenario for such activities as landscaping and other maintenance. For the adult maintenance/landscape worker scenario, it is assumed that a worker may work at the Site two days per week (100 days/year exposure frequency; EF) for 25 years (ED 25 years). It further is assumed, based on the outdoor worker guidance from the USEPA (2014) OSWER Directive 9200.1-120, that this worker will have a 100 mg/day soil ingestion rate and 3,527 cm² exposed skin surface area. As shown on Figure 1, the Adult Landscape Maintenance ASCTLs calculated via this conservative approach are 490 ug/kg and 7,000 ug/kg for dieldrin and toxaphene, respectively.

The recommended, most protective, ASCTLs for dieldrin and toxaphene are 170 ug/kg and 2,400 ug/kg, respectively (the Recreational Use ASCTLs). As with the ASCTLs for arsenic in the original focused risk assessment, these ASCTLs are not subject to considerations of additivity/antagonism/synergism according to the FDEP Dose Additivity Guidance from August 2016 (FDEP, 2016), as cited in Chapter 62-780, F.A.C. (FDEP, 2017).

SUMMARY & CONCLUSIONS

None of the March 2018 step-out samples exceed the most restrictive ASCTL for toxaphene, and only one of the original borings of interest, B-10 on Parcel 1, exceeds the toxaphene ASCTL. Similarly, only one of the original borings of interest, B-7 on Parcel 3, and only one of the step-out borings from March 2018 (B-96, west of original boring B-10 on Parcel 1) exceed the most restrictive dieldrin ASCTL. Although it is highly unlikely that an individual would spend all of their time in the immediate areas of the pesticide impacts, a Soil

Management Plan that includes delineation to the site-specific ASCTLs is recommended.

The ASCTLs that are developed in this letter report addendum provide a risk management point of comparison for soil management activities that are recommended for the property. Given focused removal/sequestration of the delineated areas of pesticide-impacted soils, and given the planned formal controls on land use, Parcels 1, 2, 3, and the western portion of Parcel 4 at the former Hillsboro Pines Golf Course property do not pose a health concern for users of the property under recreational (i.e., park use) and/or occupational (i.e., landscape/maintenance worker) exposure considerations.

Attachment A contains the ASCTL figure (Figure 1), and Attachment B contains the cited references.

Once you have had the opportunity to review this Amended Focused Risk Assessment, please do not hesitate to call us at (850) 681-6894 to discuss any questions or uncertainties.

ATTACHMENT A

Figure



Figure 1

ASCTL based on Direct Exposure to Pesticides in Soil

$$ASCTL = \frac{TR \times BW \times AT}{EF \times ED \times FC \times (A + B + C)}$$

where, for carcinogenic effects :

$$A = SF_o \times IR_o \times \frac{1}{BAF_o} \times CF_1$$

$$B = SF_d \times SA \times AF \times DA \times CF_1$$

$$C = SF_i \times IR_i \times \frac{1}{PEF}$$

Exposure Parameter	Description	Scenario-/Chemical-Specific Values			
		Dieldrin		Toxaphene	
		Child/ Adolescent Recreational User	Adult Landscape Maintenance Worker	Child/ Adolescent Recreational User	Adult Landscape Maintenance Worker
ASCTL	Alternative Soil Cleanup Target Level expressed in ug/kg.	170	490	2,400	7,000
ASCTL	Alternative Soil Cleanup Target Level expressed in mg/kg.	0.17	0.49	2.4	7.0
TR (carcinogens)	Target Risk for carcinogens (dimensionless).	1.0E-06	1.0E-06	1.0E-06	1.0E-06
BW	Body Weight expressed in kg (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	39	80	39	80
AT (carcinogens)	Averaging Time (period over which exposure is averaged) for carcinogens expressed in days.	25,550	25,550	25,550	25,550
EF	Exposure Frequency expressed in days/yr (professional judgment).	192	100	192	100
ED	Exposure Duration expressed in years.	15	25	15	25
FC	Fraction Contacted (ingested or absorbed) from contaminated source (assumed 100%).	1.0	1.0	1.0	1.0
A	Oral component equation.	1.9E-03	1.6E-03	1.3E-04	1.1E-04
B	Dermal component equation.	1.3E-04	6.8E-05	1.4E-05	7.4E-06
C	Inhalation component equation.	1.7E-07	2.6E-07	1.2E-08	1.8E-08
SF _o	Oral Slope Factor expressed in (mg/kg•day) ⁻¹ .	1.60E+01	1.60E+01	1.10E+00	1.10E+00
SF _d	Dermal Slope Factor expressed in (mg/kg•day) ⁻¹ (SF _o / GIABS of 95%; FDEP, 2005).	1.60E+01	1.60E+01	1.75E+00	1.75E+00
SF _i	Inhalation Slope Factor expressed in (mg/kg•day) ⁻¹ (extrapolated; FDEP, 2005).	1.61E+01	1.61E+01	1.12E+00	1.12E+00
IR _o	Oral Ingestion Rate for soil expressed in mg/day (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	120	100	120	100
BAF _o	Oral Bioavailability Adjustment Factor (FDEP, 2005).	1	1	1	1
CF ₁	Conversion Factor expressed in kg/mg.	1.0E-06	1.0E-06	1.0E-06	1.0E-06
SA	Skin Surface Area available for daily contact expressed in cm ² (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	4,076	3,527	4,076	3,527
AF	Soil-to-skin Adherence Factor expressed in mg/cm ² /day (USEPA, 2014; OSWER 9200.1-120).	0.20	0.12	0.20	0.12
DA (inorganics)	Dermal Absorption factor for arsenic (dimensionless; FDEP, 2005).	0.010	0.010	0.010	0.010
IR _i	Inhalation rate (m ³ /day; USEP, 2011).	13.3	20	13.3	20
PEF	Particulate Emission Factor expressed in m ³ /kg (default value).	1.24E+09	1.24E+09	1.24E+09	1.24E+09

Unless otherwise noted, assumptions and algorithms adapted from: FDEP Technical Background Document for Chapter 62-777, February 2005.

ATTACHMENT B

References Cited

References Cited

- FDEP (Florida Department of Environmental Protection). 2005. Technical Report: Development of Cleanup Target Levels for Chapter 62-777, F.A.C. February 2005.
- FDEP (Florida Department of Environmental Protection). 2016. Dose Additivity Guidance. Final. August 3, 2016.
- FDEP (Florida Department of Environmental Protection). 2017. Chapter 62-780, F.A.C. Contaminated Cleanup Criteria. February 2017.
- MacDonald, DD, et al. 2003. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. January 2003.
- Rahrig, E. 2018. Draft Site Assessment Report Addendum; former Hillsboro Pines Golf Course. March, 2018.
- USEPA (U.S. Environmental Protection Agency). 2011. Exposures Factor Handbook: 2011 Edition. EPA/600/R-090/052F. September 2011.
- USEPA (U.S. Environmental Protection Agency). 2014. Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120. February 6, 2014.

HSWMR

Hazardous Substance & Waste Management Research, Inc.

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www.hswmr.com



FROM: Christopher M. Teaf, Ph.D.
President & Director of Toxicology

Douglas J. Covert
Project Manager

TO: E. Lee Worsham, Esq.
Shutts & Bowen, LLP

DATE: 6 April 2018

SUBJECT: Former Hillsboro Pines Golf Course Amended Focused Risk
Assessment - Pesticide Evaluation

INTRODUCTION

Following productive discussions with Broward County Environmental Engineering and Permitting Division (Division) personnel, additional soil and groundwater sampling and analysis for pesticide constituents of interest was conducted at the former Hillsboro Pines Golf Course (the Site). In addition, surface water and sediment samples were collected from onsite stormwater retention lakes/ponds and analyzed for arsenic. This amended focused risk assessment supplements the November 1, 2017 HSWMR memo regarding arsenic in soils at the Site.

DATA SUMMARY & ANALYSIS

Surface Water and Sediment

Ten surface water samples and seven sediment samples were collected from on-site stormwater retention areas in November 2017 and analyzed for arsenic. The surface water samples reported a maximum concentration of 2.4 ug/L, more than 20-times lower than the Florida surface water standard of 50 ug/L, and approximately 4-times lower than the Florida primary drinking water

standard of 10 ug/L. It is noted that the drinking water standard typically is not applicable to surface water bodies, and certainly is not applicable to small-acreage stormwater retention ponds. Likewise, the sediment samples exhibited low arsenic concentrations, with a maximum result of 2.2 mg/kg, 15-times lower than the Florida Sediment Quality Assessment Guideline Probable Effects Concentration (SQAG PEC; MacDonald, et al., 2003) of 33 mg/kg, 4.5-times lower than the SQAG Threshold Effects Concentration (TEC) of 9.79 mg/kg, and essentially equal to the human health residential direct exposure Florida Cleanup Target Level (CTL; FDEP, 2005) for soil of 2.1 mg/kg. The latter guideline is merely presented for comparison purposes, as it is not applicable to inundated, inaccessible sediments.

With no reported arsenic concentrations that are of interest, neither surface water nor sediment is further addressed in this amended focused risk assessment.

Groundwater and Soil

In early March 2018, Mr. Edward Rahrig, P.G. oversaw the installation and sampling of step-out borings in the vicinity of previous sample locations that exhibited localized elevated pesticide impacts (specifically chlordane, dieldrin, and toxaphene). Samples of groundwater and soil were collected from the borings and analyzed for organochlorine pesticides by EPA Method 8081 (Semivolatiles by GC).

Consistent with the results for groundwater pesticide sampling and analysis in 2014 and 2017, none of the groundwater samples collected in March 2018 exhibited concentrations in excess of available guidelines, or even in excess of reported laboratory detection limits. Further, a formal institutional control is planned to prohibit access to and use of groundwater beneath the Site. Thus, groundwater is not further addressed in this addendum.

Three borings were advanced surrounding each of the three locations that exhibited elevated soil pesticide results in 2017 (nine borings total around

locations B-7 and B-9 on Parcel 3, and B-10 on Parcel 1). Locations are presented in the SAR Addendum (Rahrig, 2018) on Figures 2 and 3, and the analytical results are summarized on Table 1 of that document.

As shown on SAR Addendum Table 1, none of the Parcel 3 step-out samples around former locations B-7 and B-9 (0.5' and 2' samples at B-89 through B-94) reported a soil concentration for chlordane, dieldrin, or toxaphene in excess of their respective direct exposure default residential SCTLs. One dieldrin result (2.04 ug/kg in B-92 at 0.5') was essentially equal to the leachability SCTL for dieldrin of 2.0 ug/kg.

Likewise, none of the samples from two of the Parcel 1 borings around former location B-10 (B-95 and B-97) exhibited a soil concentration for chlordane, dieldrin, or toxaphene in excess of their respective direct exposure default residential SCTLs. The 2' sample from boring B-96 showed a dieldrin concentration (815 ug/kg) in excess of the direct exposure SCTL of 60 ug/kg, and both samples from boring B-96 (0.5' at 1,020 ug/kg and 2' at 1,830 ug/kg) reported exceedances of the toxaphene direct exposure SCTL (900 ug/kg).

In summary, 1 of the 9 borings and 2 of the 18 samples exhibited soil pesticide concentrations in excess of direct exposure default residential SCTLs, confirming that the preliminary impacts that were identified in two previous characterization efforts are localized and may be addressed through focused soil management activities.

EXPOSURE ASSESSMENT & RISK EVALUATION

At a site such as the former Hillsboro Pines Golf Course property (undeveloped land bordered on all sides by multifamily residential buildings, parking lots, or roadways), some level of direct human exposure to soil reasonably may be anticipated for receptors participating in such activities as recreational use or infrequent visitation, and occupational use. It is noted that the current on-site community [Century Village East (CVE)] is an adult-only residential community (e.g., minimum 55 years of age requirement for

occupancy), so the default residential arsenic SCTL scenario developed by FDEP, which assumes aggregated child/adult exposures, is not strictly applicable, except for initial screening purposes. The following sections of this focused risk assessment describe reasonable non-residential exposure scenarios that are applicable for comparison regarding direct contact soil exposure potential at the Site.

Recreational Visitor (Park User) Scenario

Regarding potential recreational exposures, such as may occur in the planned, dedicated undeveloped park or green space areas of the Site, it is assumed that oral, dermal, and inhalation exposure may occur to a child/adolescent for 15 years (pre-K to grade 12 school years), with a body weight of 39 kg (USEPA, 2011; 50th percentile values for age groups from 3-17; Table 8-3), a soil ingestion rate of 120 mg/day (3 years at 200 mg/day and 12 years at 100 mg/day; USEPA, 2011, Table 5-1), an exposure frequency of 192 days/year (assuming 5 days/week during school year (180 days) plus 1 day/week during summer (12 days)), and a target cancer risk goal of one-in-one-million (1×10^{-6} or 1E-06; FDEP, 2005). These are considered to be highly conservative assumptions for the current evaluation, given the adult-only residential character of the community and the lack of specific desirable features for a child/adolescent visitor (e.g., playground equipment). The algorithm and exposure assumptions that were used to develop the recreational use Alternative SCTLs (ASCTLs) for dieldrin and toxaphene are presented on Figure 1 in Attachment A to this amended focused risk assessment. As shown on Figure 1, the Recreational Visitor ASCTLs calculated via this conservative approach are 170 ug/kg and 2,400 ug/kg for dieldrin and toxaphene, respectively.

It is understood that the future property owners have an interest in developing the property as more of an active recreational area with shuffleboard courts, tennis courts, picnic pavilions, etc., rather than the passive park with walking trail envisioned by the exposure scenario above. Use of other park/visitor scenarios with older age groupings would yield less restrictive (higher)

ASCTLs. Further, the presence of additional impervious surfaces would allow for sequestration of impacted soils, and would be expected to reduce the amount of time spent on accessible landscaped surfaces.

Occupational (Maintenance, Landscaping) Scenario

In addition to the above-described recreational ASCTL, Figure 1 also presents a site-specific outdoor worker scenario for such activities as landscaping and other maintenance. For the adult maintenance/landscape worker scenario, it is assumed that a worker may work at the Site two days per week (100 days/year exposure frequency; EF) for 25 years (ED 25 years). It further is assumed, based on the outdoor worker guidance from the USEPA (2014) OSWER Directive 9200.1-120, that this worker will have a 100 mg/day soil ingestion rate and 3,527 cm² exposed skin surface area. As shown on Figure 1, the Adult Landscape Maintenance ASCTLs calculated via this conservative approach are 490 ug/kg and 7,000 ug/kg for dieldrin and toxaphene, respectively.

The recommended, most protective, ASCTLs for dieldrin and toxaphene are 170 ug/kg and 2,400 ug/kg, respectively (the Recreational Use ASCTLs). As with the ASCTLs for arsenic in the original focused risk assessment, these ASCTLs are not subject to considerations of additivity/antagonism/synergism according to the FDEP Dose Additivity Guidance from August 2016 (FDEP, 2016), as cited in Chapter 62-780, F.A.C. (FDEP, 2017).

SUMMARY & CONCLUSIONS

None of the March 2018 step-out samples exceed the most restrictive ASCTL for toxaphene, and only one of the original borings of interest, B-10 on Parcel 1, exceeds the toxaphene ASCTL. Similarly, only one of the original borings of interest, B-7 on Parcel 3, and only one of the step-out borings from March 2018 (B-96, west of original boring B-10 on Parcel 1) exceed the most restrictive dieldrin ASCTL. Although it is highly unlikely that an individual would spend all of their time in the immediate areas of the pesticide impacts, a Soil

Management Plan that includes delineation to the site-specific ASCTLs is recommended.

The ASCTLs that are developed in this letter report addendum provide a risk management point of comparison for soil management activities that are recommended for the property. Given focused removal/sequestration of the delineated areas of pesticide-impacted soils, and given the planned formal controls on land use, Parcels 1, 2, 3, and the western portion of Parcel 4 at the former Hillsboro Pines Golf Course property do not pose a health concern for users of the property under recreational (i.e., park use) and/or occupational (i.e., landscape/maintenance worker) exposure considerations.

Attachment A contains the ASCTL figure (Figure 1), and Attachment B contains the cited references.

Once you have had the opportunity to review this Amended Focused Risk Assessment, please do not hesitate to call us at (850) 681-6894 to discuss any questions or uncertainties.

ATTACHMENT A

Figure



Figure 1

ASCTL based on Direct Exposure to Pesticides in Soil

$$ASCTL = \frac{TR \times BW \times AT}{EF \times ED \times FC \times (A + B + C)}$$

where, for carcinogenic effects :

$$A = SF_o \times IR_o \times \frac{1}{BAF_o} \times CF_1$$

$$B = SF_d \times SA \times AF \times DA \times CF_1$$

$$C = SF_i \times IR_i \times \frac{1}{PEF}$$

Exposure Parameter	Description	Scenario-/Chemical-Specific Values			
		Dieldrin		Toxaphene	
		Child/ Adolescent Recreational User	Adult Landscape Maintenance Worker	Child/ Adolescent Recreational User	Adult Landscape Maintenance Worker
ASCTL	Alternative Soil Cleanup Target Level expressed in ug/kg.	170	490	2,400	7,000
ASCTL	Alternative Soil Cleanup Target Level expressed in mg/kg.	0.17	0.49	2.4	7.0
TR (carcinogens)	Target Risk for carcinogens (dimensionless).	1.0E-06	1.0E-06	1.0E-06	1.0E-06
BW	Body Weight expressed in kg (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	39	80	39	80
AT (carcinogens)	Averaging Time (period over which exposure is averaged) for carcinogens expressed in days.	25,550	25,550	25,550	25,550
EF	Exposure Frequency expressed in days/yr (professional judgment).	192	100	192	100
ED	Exposure Duration expressed in years.	15	25	15	25
FC	Fraction Contacted (ingested or absorbed) from contaminated source (assumed 100%).	1.0	1.0	1.0	1.0
A	Oral component equation.	1.9E-03	1.6E-03	1.3E-04	1.1E-04
B	Dermal component equation.	1.3E-04	6.8E-05	1.4E-05	7.4E-06
C	Inhalation component equation.	1.7E-07	2.6E-07	1.2E-08	1.8E-08
SF _o	Oral Slope Factor expressed in (mg/kg•day) ⁻¹ .	1.60E+01	1.60E+01	1.10E+00	1.10E+00
SF _d	Dermal Slope Factor expressed in (mg/kg•day) ⁻¹ (SF _o / GIABS of 95%; FDEP, 2005).	1.60E+01	1.60E+01	1.75E+00	1.75E+00
SF _i	Inhalation Slope Factor expressed in (mg/kg•day) ⁻¹ (extrapolated; FDEP, 2005).	1.61E+01	1.61E+01	1.12E+00	1.12E+00
IR _o	Oral Ingestion Rate for soil expressed in mg/day (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	120	100	120	100
BAF _o	Oral Bioavailability Adjustment Factor (FDEP, 2005).	1	1	1	1
CF ₁	Conversion Factor expressed in kg/mg.	1.0E-06	1.0E-06	1.0E-06	1.0E-06
SA	Skin Surface Area available for daily contact expressed in cm ² (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	4,076	3,527	4,076	3,527
AF	Soil-to-skin Adherence Factor expressed in mg/cm ² /day (USEPA, 2014; OSWER 9200.1-120).	0.20	0.12	0.20	0.12
DA (inorganics)	Dermal Absorption factor for arsenic (dimensionless; FDEP, 2005).	0.010	0.010	0.010	0.010
IR _i	Inhalation rate (m ³ /day; USEP, 2011).	13.3	20	13.3	20
PEF	Particulate Emission Factor expressed in m ³ /kg (default value).	1.24E+09	1.24E+09	1.24E+09	1.24E+09

Unless otherwise noted, assumptions and algorithms adapted from: FDEP Technical Background Document for Chapter 62-777, February 2005.

ATTACHMENT B

References Cited

References Cited

- FDEP (Florida Department of Environmental Protection). 2005. Technical Report: Development of Cleanup Target Levels for Chapter 62-777, F.A.C. February 2005.
- FDEP (Florida Department of Environmental Protection). 2016. Dose Additivity Guidance. Final. August 3, 2016.
- FDEP (Florida Department of Environmental Protection). 2017. Chapter 62-780, F.A.C. Contaminated Cleanup Criteria. February 2017.
- MacDonald, DD, et al. 2003. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. January 2003.
- Rahrig, E. 2018. Draft Site Assessment Report Addendum; former Hillsboro Pines Golf Course. March, 2018.
- USEPA (U.S. Environmental Protection Agency). 2011. Exposures Factor Handbook: 2011 Edition. EPA/600/R-090/052F. September 2011.
- USEPA (U.S. Environmental Protection Agency). 2014. Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120. February 6, 2014.

October 1, 2018
Project No. 2018-3089

CVE Master Management Company, Inc.
c/o Mr. Michael R. Goldstein, Esq.
The Goldstein Environmental Law Firm, P.A.
2100 Ponce de Leon Boulevard, Suite 710
Coral Gables, FL 33134

**Subject: Summary of Soil & Groundwater Sampling Event – September 2018
Century Village Homeowner Association – 20 HOA Properties
Deerfield Beach, Broward County, Florida**

Dear Michael:

EE&G Environmental Services, LLC (EE&G) was retained by CVE Master Management Company, Inc. to conduct a soil and groundwater sampling event on 20 Century Village Homeowner Association (HOA) properties. Sampling was conducted in September 2018. EE&G has provided 20 individual reports that contain the property-specific results. This report was prepared to provide an overview of the entire sampling event.

The objective of the sampling event was to assess for the presence of potential contaminants of concern (COCs) that may be attributed to the historic application of fertilizers and pesticides on the adjoining Hillsboro Pines Golf Course. The COCs selected for analysis were based on a review of assessment data from the adjoining golf course, and included arsenic and organochlorine pesticides.

A site map illustrating the location of the subject HOA properties in relation to the golf course is provided as **Figure 1** (arsenic soil results) and **Figure 2** (arsenic groundwater results).

Soil Assessment Summary

EE&G collected soil samples at two locations from each of the 20 HOA properties. EE&G collect a total of four composite soil samples from each property, including two from the 0 to 0.5-foot below land surface (BLS) interval and two from the 0.5 to 2-foot BLS interval. Each sample consisted of a composite of four individual aliquot soil samples collected within an approximately 20-foot radius. All four composite soil samples were analyzed for total arsenic using EPA Method 6010 for each of the 20 HOA properties. Additionally, for each property, EE&G selected one soil sample from the 0 to 0.5-foot BLS interval, which contained the highest arsenic concentration, for expanded analysis of organochlorine pesticides using EPA Method 8081.

The soil results were compared with the Florida Department of Environmental Protection's (FDEP's) Chapter 62-777, Florida Administrative Code (FAC), which regulates Soil Cleanup Target Levels (SCTLs) for residential-use (SCTL-R), for commercial/industrial use (SCTL-C), and when applicable for leachability (SCTL-L).

- Total arsenic concentrations in all 80 soil samples were below the 2.1 milligram per kilogram (mg/Kg) SCTL-R, except for the following three samples:
 - Grantham B: The soil samples collected from the 0 to 0.5-foot BLS interval of the westernmost sampling location contained 5.0 mg/Kg of total arsenic. The underlying soil sample collected from the 0.5 to 2-foot BLS interval contained 4.1 mg/Kg. Both samples contained total arsenic above the SCTL-R. The two soil samples collected from the easternmost location did not contain arsenic above the SCTL-R.
 - Lyndhurst K: The soil samples collected from the 0 to 0.5-foot BLS interval of the easternmost sampling location contained 2.5 mg/Kg of total arsenic, which exceeded the SCTL-R. The corresponding underlying soil sample collected from the 0.5 to 2-foot BLS interval, along with the two soil samples collected from the westernmost location, did not contain arsenic above the SCTL-R.
- The 20 soil samples selected for expanded analysis did not contain organochlorine pesticide concentrations above the SCTL-R or SCTL-L.

Groundwater Assessment Summary

EE&G supervised the installation of one shallow monitoring well at each of the 20 HOA properties. EE&G collected groundwater samples from the newly-installed monitoring wells, which were analyzed for total arsenic using EPA Method 6010 and organochlorine pesticides using EPA Method 8081.

The groundwater analytical results were compared with the FDEP's Chapter 62-777, FAC, which regulates the Groundwater Cleanup Target Levels (GCTLs, a.k.a. No Further Action criteria) and Natural Attenuation Default Source Concentrations (NADSCs; a.k.a., Monitoring Only criteria).

- The 20 groundwater samples did not contain total arsenic in excess of the 10 micrograms per liter (ug/L) GCTL, except for the following seven samples:
 - Ashby A: The initial groundwater sample contained 43 ug/L of total arsenic. EE&G resampled this well on September 13, 2018, and the total arsenic concentration was confirmed at 38 ug/L. Both sampling events contained total arsenic above the GCTL.
 - Grantham B: The initial groundwater sample contained 29 ug/L of total arsenic. EE&G resampled this well on September 13, 2018, and the total arsenic concentration was confirmed at 16.6 ug/L. Both sampling events contained total arsenic above the GCTL.
 - Lyndhurst K: The initial groundwater sample did not contain detectable arsenic; however, the laboratory detection limit was 14.2 ug/L (above the GCTL). EE&G resampled this well on September 13, 2018, and total arsenic again was not detected, but the laboratory method detection limit was lower (7.1 ug/L), which was below the GCTL.

- Lyndhurst I: The initial groundwater sample contained 11.9 ug/L of total arsenic. EE&G resampled this well on September 13, 2018, and the total arsenic concentration was confirmed at 16.1 ug/L. Both sampling events contained total arsenic above the GCTL.
 - Ellesmere B: The initial groundwater sample contained 12.1 ug/L of total arsenic. EE&G resampled this well on September 13, 2018, and the total arsenic concentration was below the 7.1 ug/L laboratory method detection limit, which was below the GCTL.
 - Keswick B: The initial groundwater sample contained 18 ug/L of total arsenic. EE&G resampled this well on September 13, 2018, and the total arsenic concentration was confirmed at 11.2 ug/L. Both sampling events contained total arsenic above the GCTL.
 - Keswick C: The initial groundwater sample contained 23.9 ug/L of total arsenic. EE&G resampled this well on September 13, 2018, and the total arsenic concentration was confirmed at 11.5 ug/L. Both sampling events contained total arsenic above the GCTL.
- The 20 groundwater samples did not contain organochlorine pesticide concentrations above the GCTLs.

Please contact us if you have any questions concerning this project.

Sincerely,



Craig C. Clevenger, P.G.
Senior Hydrogeologist
EE&G

FIGURES



EE&G Environmental Services, LLC

5751 Miami Lakes Drive
Miami Lakes, Florida 33014
(305) 374-8300
(305) 374-9004 :FAX

PROJECT:

HILLSBORO PINES GOLF COURSE

IN VICINITY OF 2410 CENTURY BLVD
DEERFILED BEACH, FL

SHEET TITLE:

SOIL RESULTS MAP

Dwg. Date: 8/27/2018

Job No. : 2018-3089

Drawn By: JML

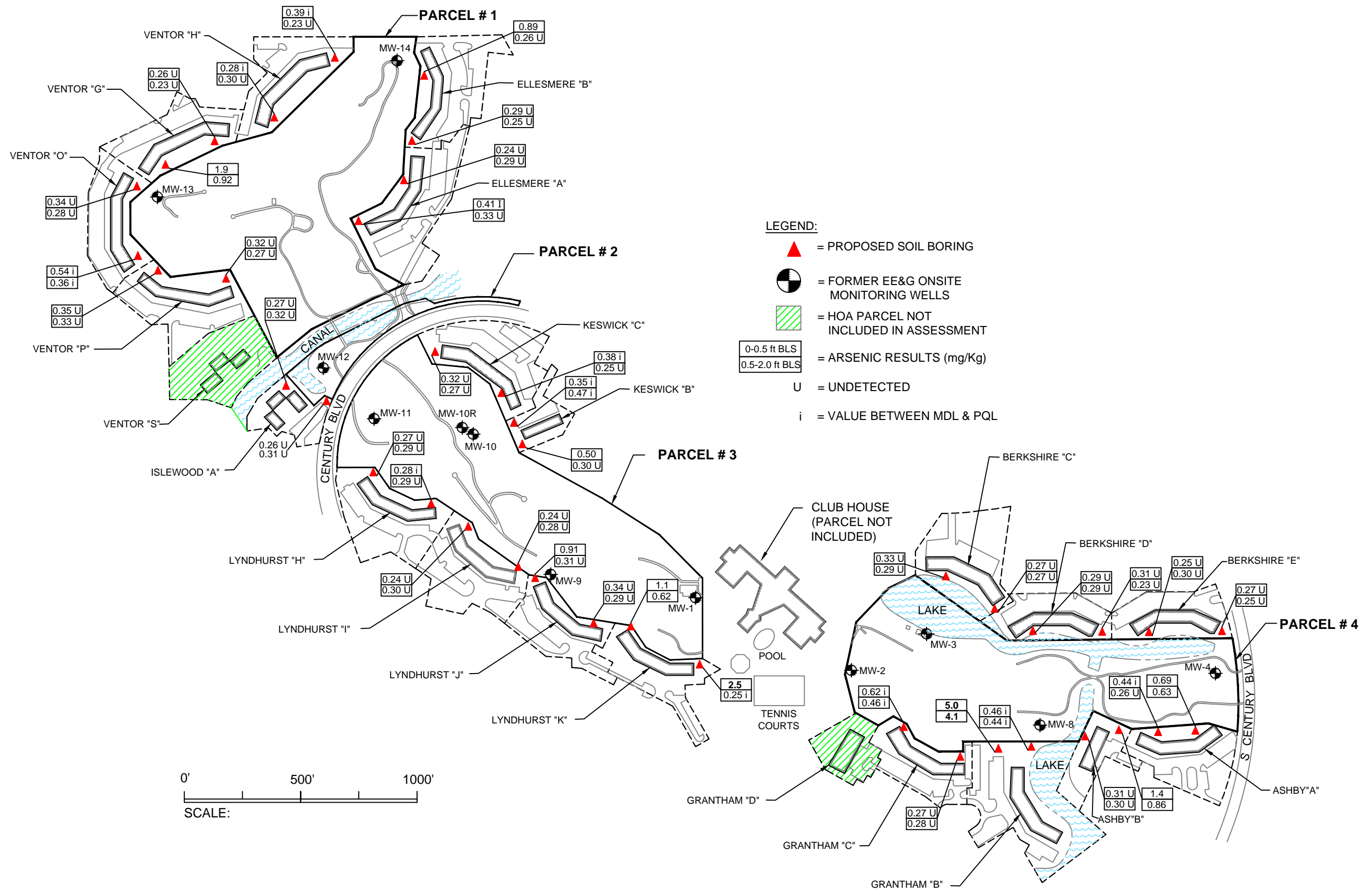
App. By:

Scale: AS SHOWN

Cad File: FIG1

Revisions:

Figure No.





EE&G Environmental Services, LLC

5751 Miami Lakes Drive
Miami Lakes, Florida 33014
(305) 374-8300
(305) 374-9004 :FAX

PROJECT:

HILLSBORO PINES GOLF COURSE

IN VICINITY OF 2410 CENTURY BLVD
DEERFILED BEACH, FL

SHEET TITLE:

GROUND WATER RESULTS

Dwg. Date: 9/11/2018

Job No. : 2018-3089

Drawn By: JML

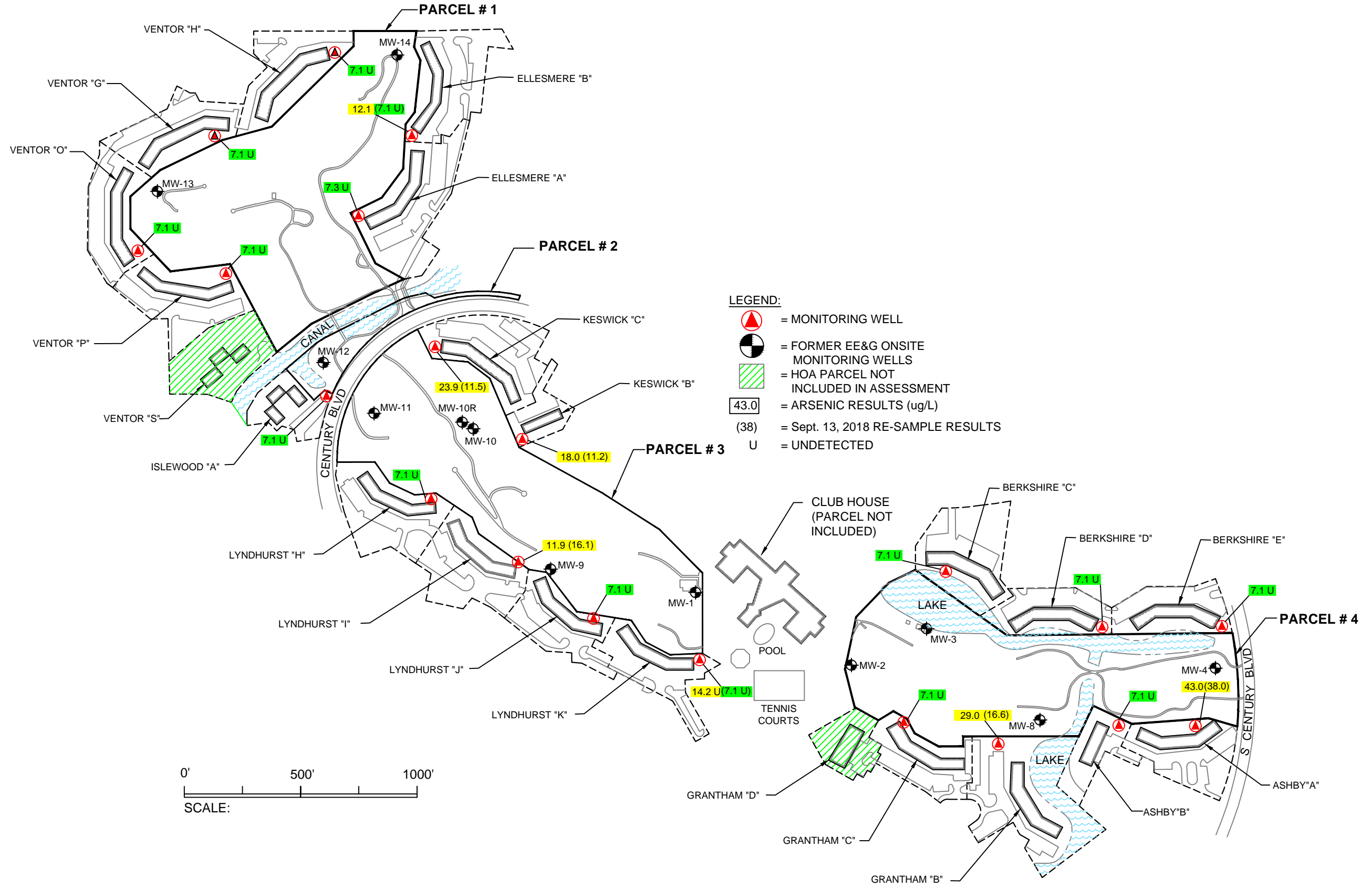
App. By:

Scale: AS SHOWN

Cad File: FIG2

Revisions:

Figure No.



**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-21	SAMPLE ID: SAME AS WELL NO. DATE: 10-9-2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 3.70 feet	STATIC DEPTH TO WATER (feet): 6.78	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.78	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.78	PURGING INITIATED AT: 0907	PURGING ENDED AT: 0914	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0910	0.5	0.5	6.84	6.84	6.23	32.8	351.0	0.30	2.39	CLR	NR
0912	0.5	1.0	6.84	6.84	6.96	32.8	347.2	0.21	1.96	CLR	NR
0914	0.5	1.5	6.84	6.84	6.77	32.8	345.0	0.14	1.97	CLR	NR
			0.21								

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 0914	SAMPLING ENDED AT: 0920
PUMP OR TUBING DEPTH IN WELL (feet): 8.78	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-21	1	PE	100 ML	NONE	-	-	AS	PP	0.21
MW-21	1	PE	100 ML	HNO3	-	-	AS	PP	0.21

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-23	DATE: 10-9-2018
SAMPLE ID: SAME AS WELL NO.	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 12.60 feet	STATIC DEPTH TO WATER (feet): 5.28	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.28	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.28	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1007	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1003	0.5	0.5	0.21	5.45	6.37	28.1	412.4	0.22	5.88	CLR	none
1005	0.5	1.0	↓	5.45	6.49	28.1	401.1	0.15	4.59	CLR	none
1007	0.5	1.5	↓	5.45	6.60	28.1	393.3	0.14	4.74	CLR	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1007	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 7.28	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-23	1	PE	100 ML	NONE	-	-	AS	PP	210.21
MW-23	1	PE	100 ML	HNO3	-	-	AS	PP	0.21

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
 Revision Date: February 12, 2009


**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-22	SAMPLE ID: SAME AS WELL NO. DATE: 10-9-2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 13.55 feet	STATIC DEPTH TO WATER (feet): 6.48	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.48	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.48	PURGING INITIATED AT: 0930	PURGING ENDED AT: 0936	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0932	0.5	0.5	0.25	6.54	6.64	33.4	261.5	0.68	9.10	cup	none
0934	0.5	1.0	↓	6.54	6.60	33.4	263.4	0.57	8.38	cup	none
0936	0.5	1.5	↓	6.54	6.57	33.4	263.0	0.34	6.86	cup	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0936		SAMPLING ENDED AT: 0945		
PUMP OR TUBING DEPTH IN WELL (feet): 8.48				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N FILTER SIZE: _____ μm		Filtration Equipment Type: _____			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-22	1	PE	100 ML	NONE	—	—	AS		PP	0.25	
MW-22	1	PE	100 ML	HNO3	—	—	AS		PP	0.25	
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL	DATE: 10-9-2018
WELL NO: MW-24	SAMPLE ID: SAME AS WELL NO.	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 12.73 feet	STATIC DEPTH TO WATER (feet): 5.28	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.28	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.28	PURGING INITIATED AT: 1017	PURGING ENDED AT: 1024	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1019	0.5	0.5	0.21	5.36	7.4	28.8	350.8	0.14	3.07	CLR	none
1022	0.5	1.0	↓	5.36	7.22	28.9	348.3	0.12	3.15	CLR	none
1024	0.5	1.5	↓	5.36	7.24	28.7	345.0	0.11	3.49	CLR	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1024	SAMPLING ENDED AT: 1029
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW 24	1	PE	100 ML	NONE	—	—	AS	PP	0.21
MW 24	1	PE	100 ML	HNO3	—	—	AS	PP	0.21

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
 Revision Date: February 12, 2009

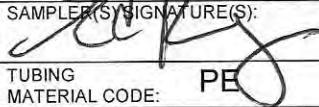
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-25	SAMPLE ID: SAME AS WELL NO. DATE: 10-9-2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.10	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.10	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1052	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1047	0.5	0.5	0.21	6.16	7.16	29.3	525	1.53	7.33	CLR	None
1049	0.5	1.0	↓	6.16	6.99	29.3	527	1.09	6.81	CLR	None
1052	0.5	1.5	↓	6.16	7.00	29.3	520	0.98	4.95	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER SIGNATURE(S): 			SAMPLING INITIATED AT: 1052		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N FILTER SIZE: _____ μm		Filtration Equipment Type:			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW 25	1	PE	100 ML	NONE	—	—	AS		PP	0.21	
MW 25	1	PE	100 ML	HNO3	—	—	AS		PP	0.21	
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-26	SAMPLE ID: SAME AS WELL NO. DATE: 10-9-2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 12.72 feet	STATIC DEPTH TO WATER (feet): 5.88	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.88	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.88	PURGING INITIATED AT: 1100	PURGING ENDED AT: 1106	TOTAL VOLUME PURGED (gallons): 0.5									
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)		
1102	0.5	0.5	0.25	5.98	7.08	29.5	595	0.30	9.95	cup	none		
1104	0.5	1.0	↓	5.98	7.04	29.4	595	0.22	6.71	cup	none		
1106	0.5	1.5	↓	5.98	7.04	29.4	596	0.28	5.23	cup	none		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1106	SAMPLING ENDED AT: 1116
PUMP OR TUBING DEPTH IN WELL (feet): 7.88	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW 26	1	PE	100 ML	NONE	-	-	AS	PP	0.25
MW 26	1	PE	100 ML	HNO3	-	-	AS	PP	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: **HILLSBORO PINES GOLF COURSE** SITE LOCATION: **2400 CENTURY BLVD, DEERFIELD BCH, FL**
 WELL NO: **MW-27** SAMPLE ID: **SAME AS WELL NO.** DATE: **10-9-2018**

PURGING DATA

WELL DIAMETER (inches): **1.5"** TUBING DIAMETER (inches): **0.25"** WELL SCREEN INTERVAL DEPTH: **12.58** feet TO WATER (feet): **7.98** PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) = (**12.58** feet - **7.98** feet) X **0.75** gallons/foot = **3.5** gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) = **0.22** gallons + (**0.25** gallons/foot X **9.98** feet) + **0** gallons = **2.54** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): **9.98** FINAL PUMP OR TUBING DEPTH IN WELL (feet): **9.98** PURGING INITIATED AT: **1128** PURGING ENDED AT: **1144** TOTAL VOLUME PURGED (gallons): **3.5**

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130	0.5	0.5	0.22	8.30	7.03	29.4	721	0.46	18.5	Cloudy	None
1137	1.5	2.0		8.30	7.03	29.4	737	0.41	24.9	Cloudy	None
1140	0.5	2.5		8.30	7.03	29.4	734	0.41	17.8	CLR	None
1142	0.5	3.0		8.30	7.04	29.4	734	0.41	13.5	CLR	None
1144	0.5	3.5	↓	8.30	7.05	29.4	731	0.41	10.8	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **ED RAHRIG** SAMPLER(S) SIGNATURE(S): *[Signature]* SAMPLING INITIATED AT: **1144** SAMPLING ENDED AT: **1150**

PUMP OR TUBING DEPTH IN WELL (feet): **9.98** TUBING MATERIAL CODE: **PE** FIELD-FILTERED: N FILTER SIZE: **—** μm
 Filtration Equipment Type: **—**

FIELD DECONTAMINATION: PUMP N TUBING N (replaced) DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW27	1	PE	100 ML	NONE	—	—	AS	PP	0.22
MW27	1	PE	100 ML	HNO3	—	—	AS	PP	0.22

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24 GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-28	SAMPLE ID: SAME AS WELL NO.
DATE: 10-9-2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 13.55 feet	STATIC DEPTH TO WATER (feet): 7.83	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.83	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.83	PURGING INITIATED AT: 1202	PURGING ENDED AT: 1218	TOTAL VOLUME PURGED (gallons): 3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1204	0.5	0.5	0.27	7.98	7.26	27.9	552	0.24	39.7	CLDY	None
1207	0.5	1.0	↓	7.98	7.18	27.9	550	0.20	23.7	CLDY	None
1209	0.5	1.5	↓	7.98	7.18	27.9	550	0.24	24.5	CLDY	None
1211	0.5	2.0	↓	7.98	7.19	27.9	545	0.27	21.3	CLDY	None
1214	0.5	2.5	↓	7.98	7.18	27.9	545	0.27	13.8	CLR	None
1216	0.5	3.0	↓	7.98	7.19	27.9	543	0.25	12.7	CLR	None
1218	0.5	3.5	↓	7.98	7.18	27.9	545	0.1819	11.4	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1218	SAMPLING ENDED AT: 1228		
PUMP OR TUBING DEPTH IN WELL (feet): 9.83			TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW28	1	PE	100 ML	NONE	—	—	AS	PP	0.22
MW28	1	PE	100 ML	HNO3	—	—	AS	PP	0.22

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

March 7, 2018

Edward Rahrig
Edward Rahrig
632 SW Aster Rd
Port Saint Lucie, FL 34953

RE: LOG# 1855641
Project ID: Century Village 62102.07
COC# 1855641

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, March 01, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

FDOH# E86546
CERTIFICATE OF ANALYSIS

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SAMPLE ANALYTE COUNT

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID	Sample ID	Method	Analytes Reported
1855641001	B-89-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641002	B-89-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641003	B-89	EPA 8081 (GC)	24
1855641004	B-90-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641005	B-90-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641006	B-90	EPA 8081 (GC)	24
1855641007	B-91-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641008	B-91-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641009	B-91	EPA 8081 (GC)	24
1855641010	B-92-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641011	B-92-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641012	B-92	EPA 8081 (GC)	24
1855641013	B-93-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641014	B-93-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641015	B-93	EPA 8081 (GC)	24
1855641016	B-94-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641017	B-94-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641018	B-94	EPA 8081 (GC)	24
1855641019	B-95-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641020	B-95-2	EPA 8081 (GC)	24
		SM 2540G	1

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SAMPLE ANALYTE COUNT

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID	Sample ID	Method	Analytes Reported
1855641021	B-95	EPA 8081 (GC)	24
1855641022	B-96-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641023	B-96-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641024	B-96	EPA 8081 (GC)	24
1855641025	B-97-0.5	EPA 8081 (GC)	24
		SM 2540G	1
1855641026	B-97-2	EPA 8081 (GC)	24
		SM 2540G	1
1855641027	B-97	EPA 8081 (GC)	24

SAMPLE SUMMARY

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1855641001	B-89-0.5	Soil/Solid	3/1/2018 08:50	3/1/2018 14:39
1855641002	B-89-2	Soil/Solid	3/1/2018 08:57	3/1/2018 14:39
1855641003	B-89	Aqueous Liquid	3/1/2018 09:10	3/1/2018 14:39
1855641004	B-90-0.5	Soil/Solid	3/1/2018 09:21	3/1/2018 14:39
1855641005	B-90-2	Soil/Solid	3/1/2018 09:22	3/1/2018 14:39
1855641006	B-90	Aqueous Liquid	3/1/2018 09:40	3/1/2018 14:39
1855641007	B-91-0.5	Soil/Solid	3/1/2018 09:50	3/1/2018 14:39
1855641008	B-91-2	Soil/Solid	3/1/2018 09:51	3/1/2018 14:39
1855641009	B-91	Aqueous Liquid	3/1/2018 10:06	3/1/2018 14:39
1855641010	B-92-0.5	Soil/Solid	3/1/2018 10:24	3/1/2018 14:39
1855641011	B-92-2	Soil/Solid	3/1/2018 10:25	3/1/2018 14:39
1855641012	B-92	Aqueous Liquid	3/1/2018 10:45	3/1/2018 14:39
1855641013	B-93-0.5	Soil/Solid	3/1/2018 10:52	3/1/2018 14:39
1855641014	B-93-2	Soil/Solid	3/1/2018 10:53	3/1/2018 14:39
1855641015	B-93	Aqueous Liquid	3/1/2018 11:05	3/1/2018 14:39
1855641016	B-94-0.5	Soil/Solid	3/1/2018 11:15	3/1/2018 14:39
1855641017	B-94-2	Soil/Solid	3/1/2018 11:16	3/1/2018 14:39
1855641018	B-94	Aqueous Liquid	3/1/2018 11:32	3/1/2018 14:39
1855641019	B-95-0.5	Soil/Solid	3/1/2018 11:43	3/1/2018 14:39
1855641020	B-95-2	Soil/Solid	3/1/2018 11:44	3/1/2018 14:39
1855641021	B-95	Aqueous Liquid	3/1/2018 12:00	3/1/2018 14:39
1855641022	B-96-0.5	Soil/Solid	3/1/2018 12:10	3/1/2018 14:39
1855641023	B-96-2	Soil/Solid	3/1/2018 12:11	3/1/2018 14:39
1855641024	B-96	Aqueous Liquid	3/1/2018 12:30	3/1/2018 14:39
1855641025	B-97-0.5	Soil/Solid	3/1/2018 12:40	3/1/2018 14:39
1855641026	B-97-2	Soil/Solid	3/1/2018 12:41	3/1/2018 14:39
1855641027	B-97	Aqueous Liquid	3/1/2018 13:05	3/1/2018 14:39

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641001** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-89-0.5** Date Collected: 3/1/2018 08:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	99.1	%	0.1		1			3/1/2018 16:35		DB
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	72	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	116	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
4,4'-DDD		U ug/Kg	0.378	0.074	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
4,4'-DDE		U ug/Kg	0.401	0.080	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
4,4'-DDT		U ug/Kg	0.927	0.185	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Aldrin		U ug/Kg	0.412	0.081	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
a-BHC		U ug/Kg	0.366	0.073	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
a-Chlordane		U ug/Kg	0.515	0.102	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
b-BHC		U ug/Kg	0.503	0.100	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
d-BHC		U ug/Kg	0.366	0.072	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Dieldrin		U ug/Kg	0.389	0.078	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Endosulfan I		U ug/Kg	0.401	0.080	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Endosulfan II		U ug/Kg	0.561	0.111	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Endosulfan sulfate		U ug/Kg	0.767	0.152	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Endrin		U ug/Kg	0.446	0.088	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Endrin aldehyde		U ug/Kg	0.446	0.088	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Endrin ketone		U ug/Kg	0.858	0.171	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
g-BHC (Lindane)		U ug/Kg	0.412	0.082	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
g-Chlordane		U ug/Kg	0.401	0.079	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Heptachlor		U ug/Kg	0.526	0.105	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Heptachlor epoxide		U ug/Kg	0.343	0.068	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Methoxychlor		U ug/Kg	0.584	0.117	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Total Chlordane		U ug/Kg	0.904	0.181	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM
Total Toxaphene		U ug/Kg	14.6	2.92	1	3/2/2018 10:46	DB	3/6/2018 18:59		BFM

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641002** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
 Sample ID: **B-89-2** Date Collected: 3/1/2018 08:57

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	95.5 %	0.1		1			3/1/2018 16:35	DB	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	72 %	50-130		1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	80 %	50-130		1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
4,4'-DDD	U ug/Kg	0.398	0.078	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
4,4'-DDE	U ug/Kg	0.422	0.084	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
4,4'-DDT	U ug/Kg	0.976	0.195	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Aldrin	U ug/Kg	0.434	0.086	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
a-BHC	U ug/Kg	0.386	0.077	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
a-Chlordane	0.759 ug/Kg	0.542	0.107	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	P
b-BHC	U ug/Kg	0.530	0.105	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
d-BHC	U ug/Kg	0.386	0.076	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Dieldrin	0.223i ug/Kg	0.410	0.082	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	P
Endosulfan I	U ug/Kg	0.422	0.084	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Endosulfan II	U ug/Kg	0.591	0.117	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Endosulfan sulfate	U ug/Kg	0.807	0.160	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Endrin	U ug/Kg	0.470	0.093	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Endrin aldehyde	U ug/Kg	0.470	0.093	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Endrin ketone	U ug/Kg	0.904	0.180	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
g-BHC (Lindane)	U ug/Kg	0.434	0.087	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
g-Chlordane	0.217i ug/Kg	0.422	0.083	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	P
Heptachlor	U ug/Kg	0.554	0.111	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Heptachlor epoxide	U ug/Kg	0.362	0.071	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Methoxychlor	U ug/Kg	0.615	0.123	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Total Chlordane	5.84 ug/Kg	0.952	0.190	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	
Total Toxaphene	40.8 ug/Kg	15.4	3.07	1	3/2/2018 10:46	DB	3/6/2018 19:14	BFM	P

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641003** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-89** Date Collected: 3/1/2018 09:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	52 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	52 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Endrin	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Endrin aldehyde	U ug/L		0.0019	0.00068	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Endrin ketone	U ug/L		0.0019	0.00080	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	3/5/2018 12:49	BFM	3/5/2018 18:14	BFM	

FDOH# E86546
CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641004** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-90-0.5** Date Collected: 3/1/2018 09:21

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	99.1	%	0.1		1			3/1/2018 16:35	DB	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	73	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	134	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	J2
4,4'-DDD		U ug/Kg	0.388	0.076	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
4,4'-DDE		U ug/Kg	0.411	0.082	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
4,4'-DDT		U ug/Kg	0.951	0.190	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Aldrin		U ug/Kg	0.423	0.083	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
a-BHC		U ug/Kg	0.376	0.075	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
a-Chlordane		U ug/Kg	0.528	0.105	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
b-BHC		U ug/Kg	0.517	0.102	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
d-BHC		U ug/Kg	0.376	0.074	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Dieldrin		U ug/Kg	0.399	0.080	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Endosulfan I		U ug/Kg	0.411	0.082	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Endosulfan II		U ug/Kg	0.575	0.114	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Endosulfan sulfate		U ug/Kg	0.787	0.156	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Endrin		U ug/Kg	0.458	0.090	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Endrin aldehyde		U ug/Kg	0.458	0.090	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Endrin ketone		U ug/Kg	0.881	0.175	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
g-BHC (Lindane)		U ug/Kg	0.423	0.085	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
g-Chlordane		U ug/Kg	0.411	0.081	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Heptachlor		U ug/Kg	0.540	0.108	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Heptachlor epoxide		U ug/Kg	0.352	0.069	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Methoxychlor		U ug/Kg	0.599	0.120	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Total Chlordane		U ug/Kg	0.928	0.186	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	
Total Toxaphene		U ug/Kg	15.0	2.99	1	3/2/2018 10:46	DB	3/6/2018 19:45	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641005** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
 Sample ID: **B-90-2** Date Collected: 3/1/2018 09:22

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	83.9	%	0.1		1			3/1/2018 16:35		DB

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	52	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	53	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
4,4'-DDD		U ug/Kg	0.443	0.087	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
4,4'-DDE		U ug/Kg	0.470	0.094	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
4,4'-DDT		U ug/Kg	1.09	0.217	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Aldrin		U ug/Kg	0.483	0.095	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
a-BHC		U ug/Kg	0.430	0.086	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
a-Chlordane		U ug/Kg	0.604	0.119	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
b-BHC		U ug/Kg	0.591	0.117	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
d-BHC		U ug/Kg	0.430	0.085	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Dieldrin		U ug/Kg	0.456	0.091	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Endosulfan I		U ug/Kg	0.470	0.094	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Endosulfan II		U ug/Kg	0.658	0.130	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Endosulfan sulfate		U ug/Kg	0.899	0.179	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Endrin		U ug/Kg	0.524	0.103	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Endrin aldehyde		U ug/Kg	0.524	0.103	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Endrin ketone		U ug/Kg	1.01	0.200	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
g-BHC (Lindane)		U ug/Kg	0.483	0.097	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
g-Chlordane		U ug/Kg	0.470	0.093	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Heptachlor		U ug/Kg	0.617	0.123	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Heptachlor epoxide		U ug/Kg	0.403	0.079	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Methoxychlor		U ug/Kg	0.685	0.137	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Total Chlordane		U ug/Kg	1.06	0.212	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM
Total Toxaphene		U ug/Kg	17.1	3.42	1	3/2/2018 10:46	DB	3/6/2018 21:01		BFM

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641006**

Date Received: 3/1/2018 14:39

Matrix: Aqueous Liquid

Sample ID: **B-90**

Date Collected: 3/1/2018 09:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)

Preparation Method: EPA 3510C

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	53 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)

Preparation Method: EPA 3510C

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	53 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Endrin	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Endrin aldehyde	U ug/L		0.0019	0.00068	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Endrin ketone	U ug/L		0.0019	0.00080	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	3/5/2018 12:49	BFM	3/5/2018 18:30	BFM	

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641007** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-91-0.5** Date Collected: 3/1/2018 09:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	99.1	%	0.1		1			3/1/2018 16:35	DB	

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	124	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	245	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	J2
4,4'-DDD		U ug/Kg	0.383	0.075	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
4,4'-DDE		U ug/Kg	0.406	0.081	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
4,4'-DDT		U ug/Kg	0.940	0.188	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Aldrin		U ug/Kg	0.418	0.082	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
a-BHC		U ug/Kg	0.371	0.074	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
a-Chlordane		U ug/Kg	0.522	0.103	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
b-BHC		U ug/Kg	0.511	0.101	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
d-BHC		U ug/Kg	0.371	0.073	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Dieldrin		U ug/Kg	0.395	0.079	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Endosulfan I		U ug/Kg	0.406	0.081	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Endosulfan II		U ug/Kg	0.569	0.113	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Endosulfan sulfate		U ug/Kg	0.777	0.154	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Endrin		U ug/Kg	0.453	0.089	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Endrin aldehyde		U ug/Kg	0.453	0.089	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Endrin ketone		U ug/Kg	0.870	0.173	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
g-BHC (Lindane)		U ug/Kg	0.418	0.084	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
g-Chlordane		U ug/Kg	0.406	0.080	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Heptachlor		U ug/Kg	0.534	0.107	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Heptachlor epoxide		U ug/Kg	0.348	0.068	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Methoxychlor		U ug/Kg	0.592	0.118	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Total Chlordane		U ug/Kg	0.917	0.183	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	
Total Toxaphene		U ug/Kg	14.8	2.96	1	3/2/2018 10:46	DB	3/6/2018 21:16	BFM	

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641008** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-91-2** Date Collected: 3/1/2018 09:51

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.3	%	0.1		1			3/1/2018 16:35		DB
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	84	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	100	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
4,4'-DDD		U ug/Kg	0.382	0.075	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
4,4'-DDE		U ug/Kg	0.405	0.081	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
4,4'-DDT		U ug/Kg	0.937	0.187	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Aldrin		U ug/Kg	0.416	0.082	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
a-BHC		U ug/Kg	0.370	0.074	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
a-Chlordane		U ug/Kg	0.521	0.103	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
b-BHC		U ug/Kg	0.509	0.101	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
d-BHC		U ug/Kg	0.370	0.073	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Dieldrin		U ug/Kg	0.393	0.079	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Endosulfan I		U ug/Kg	0.405	0.081	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Endosulfan II		U ug/Kg	0.567	0.112	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Endosulfan sulfate		U ug/Kg	0.775	0.154	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Endrin		U ug/Kg	0.451	0.089	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Endrin aldehyde		U ug/Kg	0.451	0.089	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Endrin ketone		U ug/Kg	0.868	0.172	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
g-BHC (Lindane)		U ug/Kg	0.416	0.083	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
g-Chlordane		U ug/Kg	0.405	0.080	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Heptachlor		U ug/Kg	0.532	0.106	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Heptachlor epoxide		U ug/Kg	0.347	0.068	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Methoxychlor		U ug/Kg	0.590	0.118	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Total Chlordane		U ug/Kg	0.914	0.183	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM
Total Toxaphene	44.5	ug/Kg	14.8	2.95	1	3/2/2018 10:46	DB	3/6/2018 21:32		BFM

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641009** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-91** Date Collected: 3/1/2018 10:06

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	50 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	72 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Endrin	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Endrin aldehyde	U ug/L		0.0019	0.00068	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Endrin ketone	U ug/L		0.0019	0.00080	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	3/5/2018 12:49	BFM	3/5/2018 18:45	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641010** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-92-0.5** Date Collected: 3/1/2018 10:24

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	99.1	%	0.1		1			3/1/2018 16:35	DB	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	59	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	112	%	50-130		1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
4,4'-DDD		U ug/Kg	0.379	0.075	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
4,4'-DDE		U ug/Kg	0.401	0.080	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
4,4'-DDT		U ug/Kg	0.929	0.186	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Aldrin		U ug/Kg	0.413	0.081	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
a-BHC		U ug/Kg	0.367	0.073	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
a-Chlordane		U ug/Kg	0.516	0.102	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
b-BHC		U ug/Kg	0.505	0.100	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
d-BHC		U ug/Kg	0.367	0.072	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Dieldrin	2.04	ug/Kg	0.390	0.078	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Endosulfan I		U ug/Kg	0.401	0.080	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Endosulfan II		U ug/Kg	0.562	0.111	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Endosulfan sulfate		U ug/Kg	0.769	0.153	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Endrin		U ug/Kg	0.447	0.088	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Endrin aldehyde		U ug/Kg	0.447	0.088	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Endrin ketone		U ug/Kg	0.860	0.171	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
g-BHC (Lindane)		U ug/Kg	0.413	0.083	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
g-Chlordane		U ug/Kg	0.401	0.079	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Heptachlor		U ug/Kg	0.528	0.106	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Heptachlor epoxide		U ug/Kg	0.344	0.068	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Methoxychlor		U ug/Kg	0.585	0.117	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Total Chlordane		U ug/Kg	0.906	0.181	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	
Total Toxaphene		U ug/Kg	14.6	2.93	1	3/2/2018 10:46	DB	3/6/2018 21:47	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641011** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-92-2** Date Collected: 3/1/2018 10:25

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	97.3 %	0.1		1			3/1/2018 16:35	DB	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	85 %	50-130		1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	103 %	50-130		1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
4,4'-DDD	U ug/Kg	0.397	0.078	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
4,4'-DDE	U ug/Kg	0.422	0.084	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
4,4'-DDT	U ug/Kg	0.976	0.195	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Aldrin	U ug/Kg	0.434	0.086	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
a-BHC	U ug/Kg	0.385	0.077	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
a-Chlordane	U ug/Kg	0.542	0.107	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
b-BHC	U ug/Kg	0.530	0.105	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
d-BHC	U ug/Kg	0.385	0.076	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Dieldrin	0.929 ug/Kg	0.410	0.082	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Endosulfan I	U ug/Kg	0.422	0.084	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Endosulfan II	U ug/Kg	0.590	0.117	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Endosulfan sulfate	U ug/Kg	0.807	0.160	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Endrin	U ug/Kg	0.470	0.093	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Endrin aldehyde	U ug/Kg	0.470	0.093	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Endrin ketone	U ug/Kg	0.903	0.179	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
g-BHC (Lindane)	U ug/Kg	0.434	0.087	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
g-Chlordane	U ug/Kg	0.422	0.083	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Heptachlor	U ug/Kg	0.554	0.111	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Heptachlor epoxide	U ug/Kg	0.361	0.071	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Methoxychlor	U ug/Kg	0.614	0.123	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Total Chlordane	U ug/Kg	0.952	0.190	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	
Total Toxaphene	U ug/Kg	15.4	3.07	1	3/2/2018 10:46	DB	3/5/2018 19:00	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641012** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-92** Date Collected: 3/1/2018 10:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	53 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	48 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	J2
4,4'-DDD	U ug/L		0.0019	0.00056	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Endrin	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Endrin aldehyde	U ug/L		0.0019	0.00068	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Endrin ketone	U ug/L		0.0019	0.00080	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	3/5/2018 12:49	BFM	3/5/2018 19:16	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641013** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-93-0.5** Date Collected: 3/1/2018 10:52

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	98.1 %	0.1		1			3/1/2018 16:35	DB	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	67 %	50-130		1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	213 %	50-130		1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	J2
4,4'-DDD	U ug/Kg	0.379	0.075	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
4,4'-DDE	U ug/Kg	0.402	0.080	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
4,4'-DDT	U ug/Kg	0.929	0.186	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Aldrin	U ug/Kg	0.413	0.081	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
a-BHC	U ug/Kg	0.367	0.073	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
a-Chlordane	U ug/Kg	0.516	0.102	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
b-BHC	U ug/Kg	0.505	0.100	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
d-BHC	U ug/Kg	0.367	0.072	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Dieldrin	1.20 ug/Kg	0.390	0.078	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Endosulfan I	U ug/Kg	0.402	0.080	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Endosulfan II	U ug/Kg	0.562	0.111	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Endosulfan sulfate	U ug/Kg	0.769	0.153	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Endrin	U ug/Kg	0.447	0.088	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Endrin aldehyde	U ug/Kg	0.447	0.088	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Endrin ketone	U ug/Kg	0.861	0.171	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
g-BHC (Lindane)	U ug/Kg	0.413	0.083	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
g-Chlordane	U ug/Kg	0.402	0.079	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Heptachlor	U ug/Kg	0.528	0.106	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Heptachlor epoxide	U ug/Kg	0.344	0.068	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Methoxychlor	U ug/Kg	0.585	0.117	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Total Chlordane	U ug/Kg	0.906	0.181	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	
Total Toxaphene	U ug/Kg	14.6	2.93	1	3/2/2018 10:46	DB	3/6/2018 11:04	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641014** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-93-2** Date Collected: 3/1/2018 10:53

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	95.1	%	0.1		1			3/1/2018 15:51		DB
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	86	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	97	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
4,4'-DDD		U ug/Kg	0.407	0.080	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
4,4'-DDE		U ug/Kg	0.432	0.086	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
4,4'-DDT		U ug/Kg	0.999	0.200	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Aldrin		U ug/Kg	0.444	0.088	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
a-BHC		U ug/Kg	0.395	0.079	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
a-Chlordane		U ug/Kg	0.555	0.110	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
b-BHC		U ug/Kg	0.543	0.107	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
d-BHC		U ug/Kg	0.395	0.078	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Dieldrin		U ug/Kg	0.419	0.084	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Endosulfan I		U ug/Kg	0.432	0.086	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Endosulfan II		U ug/Kg	0.604	0.120	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Endosulfan sulfate		U ug/Kg	0.826	0.164	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Endrin		U ug/Kg	0.481	0.095	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Endrin aldehyde		U ug/Kg	0.481	0.095	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Endrin ketone		U ug/Kg	0.925	0.184	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
g-BHC (Lindane)		U ug/Kg	0.444	0.089	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
g-Chlordane		U ug/Kg	0.432	0.085	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Heptachlor		U ug/Kg	0.567	0.113	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Heptachlor epoxide		U ug/Kg	0.370	0.073	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Methoxychlor		U ug/Kg	0.629	0.126	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Total Chlordane		U ug/Kg	0.974	0.195	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM
Total Toxaphene		U ug/Kg	15.7	3.15	1	3/2/2018 10:46	DB	3/5/2018 19:31		BFM

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641015** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-93** Date Collected: 3/1/2018 11:05

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	56 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	50 %		50-130		1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Endrin	U ug/L		0.0019	0.00064	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Endrin aldehyde	U ug/L		0.0019	0.00068	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Endrin ketone	U ug/L		0.0019	0.00080	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	3/5/2018 12:49	BFM	3/5/2018 19:46	BFM	

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CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641016** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-94-0.5** Date Collected: 3/1/2018 11:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	98.9 %		0.1		1			3/1/2018 15:51	DB	
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Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	93 %		50-130		1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	141 %		50-130		1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	J2
4,4'-DDD	U ug/Kg		0.372	0.073	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
4,4'-DDE	U ug/Kg		0.395	0.079	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
4,4'-DDT	U ug/Kg		0.914	0.183	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Aldrin	U ug/Kg		0.406	0.080	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
a-BHC	U ug/Kg		0.361	0.072	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
a-Chlordane	U ug/Kg		0.508	0.100	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
b-BHC	U ug/Kg		0.496	0.098	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
d-BHC	U ug/Kg		0.361	0.071	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Dieldrin	U ug/Kg		0.383	0.077	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Endosulfan I	U ug/Kg		0.395	0.079	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Endosulfan II	U ug/Kg		0.553	0.109	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Endosulfan sulfate	U ug/Kg		0.756	0.150	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Endrin	U ug/Kg		0.440	0.087	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Endrin aldehyde	U ug/Kg		0.440	0.087	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Endrin ketone	U ug/Kg		0.846	0.168	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
g-BHC (Lindane)	U ug/Kg		0.406	0.081	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
g-Chlordane	U ug/Kg		0.395	0.078	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Heptachlor	U ug/Kg		0.519	0.104	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Heptachlor epoxide	U ug/Kg		0.338	0.067	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Methoxychlor	U ug/Kg		0.575	0.115	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Total Chlordane	U ug/Kg		0.891	0.178	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	
Total Toxaphene	U ug/Kg		14.4	2.88	1	3/2/2018 10:46	DB	3/5/2018 21:03	BFM	

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641017** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-94-2** Date Collected: 3/1/2018 11:16

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	98.1	%	0.1		1			3/1/2018 16:28		DB
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	79	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	96	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
4,4'-DDD		U ug/Kg	0.402	0.079	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
4,4'-DDE		U ug/Kg	0.426	0.085	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
4,4'-DDT		U ug/Kg	0.986	0.197	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Aldrin		U ug/Kg	0.438	0.086	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
a-BHC		U ug/Kg	0.390	0.078	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
a-Chlordane		U ug/Kg	0.548	0.108	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
b-BHC		U ug/Kg	0.536	0.106	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
d-BHC		U ug/Kg	0.390	0.077	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Dieldrin		U ug/Kg	0.414	0.083	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Endosulfan I		U ug/Kg	0.426	0.085	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Endosulfan II		U ug/Kg	0.597	0.118	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Endosulfan sulfate		U ug/Kg	0.816	0.162	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Endrin		U ug/Kg	0.475	0.094	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Endrin aldehyde		U ug/Kg	0.475	0.094	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Endrin ketone		U ug/Kg	0.913	0.181	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
g-BHC (Lindane)		U ug/Kg	0.438	0.088	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
g-Chlordane		U ug/Kg	0.426	0.084	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Heptachlor		U ug/Kg	0.560	0.112	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Heptachlor epoxide		U ug/Kg	0.365	0.072	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Methoxychlor		U ug/Kg	0.621	0.124	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Total Chlordane		U ug/Kg	0.962	0.192	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM
Total Toxaphene		U ug/Kg	15.5	3.11	1	3/2/2018 10:46	DB	3/5/2018 21:18		BFM

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641018** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-94** Date Collected: 3/1/2018 11:32

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	54	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	52	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
4,4'-DDD		U ug/L	0.0019	0.00056	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
a-Chlordane		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
d-BHC		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Endosulfan I		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Endrin		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Endrin aldehyde		U ug/L	0.0019	0.00068	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Endrin ketone		U ug/L	0.0019	0.00080	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
g-Chlordane		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Total Chlordane		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	3/6/2018 10:27	JG	3/6/2018 22:02	BFM	

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641019** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-95-0.5** Date Collected: 3/1/2018 11:43

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	99.5	%	0.1		1			3/1/2018 16:28		DB

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	88	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	115	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
4,4'-DDD		U ug/Kg	0.373	0.073	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
4,4'-DDE		U ug/Kg	0.396	0.079	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
4,4'-DDT		U ug/Kg	0.916	0.183	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Aldrin		U ug/Kg	0.407	0.080	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
a-BHC		U ug/Kg	0.362	0.072	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
a-Chlordane		U ug/Kg	0.509	0.101	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
b-BHC		U ug/Kg	0.497	0.098	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
d-BHC		U ug/Kg	0.362	0.071	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Dieldrin		U ug/Kg	0.384	0.077	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Endosulfan I		U ug/Kg	0.396	0.079	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Endosulfan II		U ug/Kg	0.554	0.110	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Endosulfan sulfate		U ug/Kg	0.757	0.150	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Endrin		U ug/Kg	0.441	0.087	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Endrin aldehyde		U ug/Kg	0.441	0.087	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Endrin ketone		U ug/Kg	0.848	0.168	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
g-BHC (Lindane)		U ug/Kg	0.407	0.081	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
g-Chlordane		U ug/Kg	0.396	0.078	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Heptachlor		U ug/Kg	0.520	0.104	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Heptachlor epoxide		U ug/Kg	0.339	0.067	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Methoxychlor		U ug/Kg	0.577	0.115	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Total Chlordane		U ug/Kg	0.893	0.179	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM
Total Toxaphene		U ug/Kg	14.4	2.88	1	3/2/2018 10:46	DB	3/5/2018 21:33		BFM

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641020** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-95-2** Date Collected: 3/1/2018 11:44

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.0 %	0.1		1			3/1/2018 16:28		DB
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	75 %	50-130		1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	90 %	50-130		1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
4,4'-DDD	U ug/Kg	0.388	0.076	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
4,4'-DDE	U ug/Kg	0.411	0.082	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
4,4'-DDT	U ug/Kg	0.952	0.190	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Aldrin	U ug/Kg	0.423	0.083	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
a-BHC	U ug/Kg	0.376	0.075	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
a-Chlordane	U ug/Kg	0.529	0.105	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
b-BHC	U ug/Kg	0.517	0.102	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
d-BHC	U ug/Kg	0.376	0.074	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Dieldrin	U ug/Kg	0.399	0.080	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Endosulfan I	U ug/Kg	0.411	0.082	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Endosulfan II	U ug/Kg	0.576	0.114	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Endosulfan sulfate	U ug/Kg	0.787	0.156	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Endrin	U ug/Kg	0.458	0.090	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Endrin aldehyde	U ug/Kg	0.458	0.090	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Endrin ketone	U ug/Kg	0.881	0.175	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
g-BHC (Lindane)	U ug/Kg	0.423	0.085	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
g-Chlordane	U ug/Kg	0.411	0.081	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Heptachlor	U ug/Kg	0.540	0.108	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Heptachlor epoxide	U ug/Kg	0.352	0.069	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Methoxychlor	U ug/Kg	0.599	0.120	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Total Chlordane	U ug/Kg	0.928	0.186	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM
Total Toxaphene	U ug/Kg	15.0	3.00	1	3/2/2018 10:46	DB	3/5/2018 21:49		BFM

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641021** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-95** Date Collected: 3/1/2018 12:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	54	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	52	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
4,4'-DDD		U ug/L	0.0019	0.00056	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
a-Chlordane		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
d-BHC		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Endosulfan I		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Endrin		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Endrin aldehyde		U ug/L	0.0019	0.00068	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Endrin ketone		U ug/L	0.0019	0.00080	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
g-Chlordane		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Total Chlordane		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	3/6/2018 10:27	JG	3/6/2018 22:17	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641022** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-96-0.5** Date Collected: 3/1/2018 12:10

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	98.9 %	0.1		1			3/1/2018 16:28		DB
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	62 %	50-130		1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	60 %	50-130		1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
4,4'-DDD	U ug/Kg	0.379	0.075	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
4,4'-DDE	U ug/Kg	0.402	0.080	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
4,4'-DDT	U ug/Kg	0.931	0.186	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Aldrin	U ug/Kg	0.414	0.082	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
a-BHC	U ug/Kg	0.368	0.074	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
a-Chlordane	72.5 ug/Kg	10.3	2.05	20	3/2/2018 10:46	DB	3/6/2018 16:26		BFM
b-BHC	U ug/Kg	0.506	0.100	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
d-BHC	U ug/Kg	0.368	0.072	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Dieldrin	47.8 ug/Kg	7.81	1.56	20	3/2/2018 10:46	DB	3/6/2018 16:26		BFM
Endosulfan I	U ug/Kg	0.402	0.080	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Endosulfan II	U ug/Kg	0.563	0.111	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Endosulfan sulfate	U ug/Kg	0.770	0.153	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Endrin	U ug/Kg	0.448	0.088	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Endrin aldehyde	U ug/Kg	0.448	0.088	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Endrin ketone	U ug/Kg	0.862	0.171	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
g-BHC (Lindane)	U ug/Kg	0.414	0.083	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
g-Chlordane	47.1 ug/Kg	8.04	1.59	20	3/2/2018 10:46	DB	3/6/2018 16:26		BFM
Heptachlor	U ug/Kg	0.529	0.106	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Heptachlor epoxide	U ug/Kg	0.345	0.068	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Methoxychlor	U ug/Kg	0.586	0.117	1	3/2/2018 10:46	DB	3/5/2018 22:04		BFM
Total Chlordane	239 ug/Kg	18.2	3.63	20	3/2/2018 10:46	DB	3/6/2018 16:26		BFM
Total Toxaphene	1020 ug/Kg	293	58.6	20	3/2/2018 10:46	DB	3/6/2018 16:26		BFM

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641023** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-96-2** Date Collected: 3/1/2018 12:11

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	92.9 %		0.1		1			3/1/2018 16:28		DB
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Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	74 %		50-130		1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	86 %		50-130		1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
4,4'-DDD	U ug/Kg		0.413	0.081	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
4,4'-DDE	4.68 ug/Kg		0.438	0.088	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
4,4'-DDT	U ug/Kg		1.01	0.203	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Aldrin	U ug/Kg		0.450	0.089	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
a-BHC	U ug/Kg		0.400	0.080	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
a-Chlordane	7.14 ug/Kg		0.563	0.111	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
b-BHC	U ug/Kg		0.550	0.109	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
d-BHC	U ug/Kg		0.400	0.079	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Dieldrin	815 ug/Kg		8.50	1.70	20	3/2/2018 10:46	DB	3/6/2018 16:41		BFM
Endosulfan I	U ug/Kg		0.438	0.088	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Endosulfan II	U ug/Kg		0.613	0.121	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Endosulfan sulfate	U ug/Kg		0.838	0.166	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Endrin	U ug/Kg		0.488	0.096	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Endrin aldehyde	U ug/Kg		0.488	0.096	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Endrin ketone	U ug/Kg		0.938	0.186	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
g-BHC (Lindane)	U ug/Kg		0.450	0.090	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
g-Chlordane	2.98 ug/Kg		0.438	0.086	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Heptachlor	U ug/Kg		0.575	0.115	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Heptachlor epoxide	9.40 ug/Kg		0.375	0.074	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Methoxychlor	U ug/Kg		0.638	0.128	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Total Chlordane	236 ug/Kg		0.988	0.198	1	3/2/2018 10:46	DB	3/5/2018 22:19		BFM
Total Toxaphene	1830 ug/Kg		319	63.8	20	3/2/2018 10:46	DB	3/6/2018 16:41		BFM

ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641024** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-96** Date Collected: 3/1/2018 12:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	52	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	61	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
4,4'-DDD		U ug/L	0.0019	0.00056	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
a-Chlordane		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
d-BHC		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Endosulfan I		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Endrin		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Endrin aldehyde		U ug/L	0.0019	0.00068	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Endrin ketone		U ug/L	0.0019	0.00080	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
g-Chlordane		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Total Chlordane		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	3/6/2018 10:27	JG	3/6/2018 22:33	BFM	

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641025** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-97-0.5** Date Collected: 3/1/2018 12:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	97.9	%	0.1		1			3/1/2018 16:28		DB
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	66	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	170	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM J2
4,4'-DDD		U ug/Kg	0.382	0.075	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
4,4'-DDE		U ug/Kg	0.406	0.081	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
4,4'-DDT		U ug/Kg	0.939	0.188	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Aldrin		U ug/Kg	0.417	0.082	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
a-BHC		U ug/Kg	0.371	0.074	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
a-Chlordane		U ug/Kg	0.521	0.103	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
b-BHC		U ug/Kg	0.510	0.101	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
d-BHC		U ug/Kg	0.371	0.073	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Dieldrin		U ug/Kg	0.394	0.079	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Endosulfan I		U ug/Kg	0.406	0.081	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Endosulfan II		U ug/Kg	0.568	0.112	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Endosulfan sulfate		U ug/Kg	0.776	0.154	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Endrin		U ug/Kg	0.452	0.089	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Endrin aldehyde		U ug/Kg	0.452	0.089	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Endrin ketone		U ug/Kg	0.869	0.173	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
g-BHC (Lindane)		U ug/Kg	0.417	0.083	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
g-Chlordane		U ug/Kg	0.406	0.080	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Heptachlor		U ug/Kg	0.533	0.107	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Heptachlor epoxide		U ug/Kg	0.348	0.068	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Methoxychlor		U ug/Kg	0.591	0.118	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Total Chlordane		U ug/Kg	0.915	0.183	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM
Total Toxaphene		U ug/Kg	14.8	2.95	1	3/2/2018 10:46	DB	3/5/2018 22:35		BFM

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641026** Date Received: 3/1/2018 14:39 Matrix: Soil/Solid
Sample ID: **B-97-2** Date Collected: 3/1/2018 12:41

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.9	%	0.1		1			3/1/2018 16:28		DB

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	76	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	93	%	50-130		1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
4,4'-DDD		U ug/Kg	0.380	0.075	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
4,4'-DDE		U ug/Kg	0.403	0.081	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
4,4'-DDT		U ug/Kg	0.932	0.186	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Aldrin		U ug/Kg	0.414	0.082	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
a-BHC		U ug/Kg	0.368	0.074	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
a-Chlordane		U ug/Kg	0.518	0.102	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
b-BHC		U ug/Kg	0.506	0.100	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
d-BHC		U ug/Kg	0.368	0.072	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Dieldrin		U ug/Kg	0.391	0.078	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Endosulfan I		U ug/Kg	0.403	0.081	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Endosulfan II		U ug/Kg	0.564	0.112	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Endosulfan sulfate		U ug/Kg	0.771	0.153	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Endrin		U ug/Kg	0.449	0.089	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Endrin aldehyde		U ug/Kg	0.449	0.089	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Endrin ketone		U ug/Kg	0.863	0.171	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
g-BHC (Lindane)		U ug/Kg	0.414	0.083	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
g-Chlordane		U ug/Kg	0.403	0.079	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Heptachlor		U ug/Kg	0.529	0.106	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Heptachlor epoxide		U ug/Kg	0.345	0.068	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Methoxychlor		U ug/Kg	0.587	0.117	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Total Chlordane		U ug/Kg	0.909	0.182	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM
Total Toxaphene		U ug/Kg	14.7	2.93	1	3/2/2018 10:46	DB	3/5/2018 22:50		BFM

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ANALYTICAL RESULTS

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID: **1855641027** Date Received: 3/1/2018 14:39 Matrix: Aqueous Liquid
Sample ID: **B-97** Date Collected: 3/1/2018 13:05

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	51	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	58	%	50-130		1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
4,4'-DDD		U ug/L	0.0019	0.00056	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
4,4'-DDE		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
4,4'-DDT		U ug/L	0.0019	0.00095	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Aldrin		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
a-BHC		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
a-Chlordane		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
b-BHC		U ug/L	0.0027	0.0013	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
d-BHC		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Dieldrin		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Endosulfan I		U ug/L	0.0022	0.0011	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Endosulfan II		U ug/L	0.0019	0.00077	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Endrin		U ug/L	0.0019	0.00064	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Endrin aldehyde		U ug/L	0.0019	0.00068	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Endrin ketone		U ug/L	0.0019	0.00080	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
g-Chlordane		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Heptachlor		U ug/L	0.0019	0.00046	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Methoxychlor		U ug/L	0.0023	0.0012	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Total Chlordane		U ug/L	0.0020	0.0010	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM
Total Toxaphene		U ug/L	0.092	0.046	1	3/6/2018 10:27	JG	3/6/2018 22:48		BFM

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1855641

Project ID: Century Village 62102.07

PARAMETER QUALIFIERS

J2 Surrogate recovery was outside defined limits due to matrix interference.

P Results vary by more than allowed by precision requirement for method.

PROJECT COMMENTS

1855641 A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

QUALITY CONTROL DATA

Workorder: 1855641

Project ID: Century Village 62102.07

QC Batch:	XXX/10802	Analysis Method:		EPA 8081 (GC)		
QC Batch Method:	EPA 3545					
Associated Lab Samples:	1855628003	1855641001	1855641002	1855641004	1855641005	1855641007
	1855641008	1855641010	1855641011	1855641013	1855641014	1855641016
	1855641017	1855641019	1855641020	1855641022	1855641023	1855641025
	1855641026					

METHOD BLANK: 136565

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	82	50-130	
Decachlorobiphenyl (S)	%	99	50-130	
a-BHC	ug/Kg	U	0.064	
g-BHC (Lindane)	ug/Kg	U	0.072	
Heptachlor	ug/Kg	U	0.092	
Aldrin	ug/Kg	U	0.071	
b-BHC	ug/Kg	U	0.087	
d-BHC	ug/Kg	U	0.063	
Heptachlor epoxide	ug/Kg	U	0.059	
Endosulfan I	ug/Kg	U	0.070	
g-Chlordane	ug/Kg	U	0.069	
a-Chlordane	ug/Kg	U	0.089	
4,4'-DDE	ug/Kg	U	0.070	
Dieldrin	ug/Kg	U	0.068	
Endrin	ug/Kg	U	0.077	
Endosulfan II	ug/Kg	U	0.097	
4,4'-DDD	ug/Kg	U	0.065	
4,4'-DDT	ug/Kg	U	0.162	
Endrin aldehyde	ug/Kg	U	0.077	
Endosulfan sulfate	ug/Kg	U	0.133	
Methoxychlor	ug/Kg	U	0.102	
Endrin ketone	ug/Kg	U	0.149	
Total Chlordane	ug/Kg	U	0.158	
Total Toxaphene	ug/Kg	U	2.55	

LABORATORY CONTROL SAMPLE & LCSD: 136566 136567

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				99	82	50-130	19	30	
Decachlorobiphenyl (S)	%				96	102	50-130	6	30	
a-BHC	ug/Kg	1.25	1.21	1.00	97	80	50-130	19	30	

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QUALITY CONTROL DATA

Workorder: 1855641

Project ID: Century Village 62102.07

LABORATORY CONTROL SAMPLE & LCSD:		136566	136567							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
g-BHC (Lindane)	ug/Kg	1.25	1.23	1.04	98	83	50-130	17	30	
Heptachlor	ug/Kg	1.25	1.25	1.05	100	84	50-130	17	30	
Aldrin	ug/Kg	1.25	2.81	2.71	225	217	50-130	4	30	J3a
b-BHC	ug/Kg	1.25	1.13	1.00	90	80	50-130	12	30	
d-BHC	ug/Kg	1.25	1.16	1.07	93	86	50-130	8	30	
Heptachlor epoxide	ug/Kg	1.25	1.24	1.12	99	89	50-130	10	30	
Endosulfan I	ug/Kg	1.25	1.23	1.15	99	92	50-130	7	30	
g-Chlordane	ug/Kg	1.25	1.20	1.08	96	86	50-130	11	30	
a-Chlordane	ug/Kg	1.25	1.19	1.10	95	88	50-130	8	30	
4,4'-DDE	ug/Kg	1.25	1.20	1.15	96	92	50-130	4	30	
Dieldrin	ug/Kg	1.25	1.23	1.14	98	91	50-130	8	30	
Endrin	ug/Kg	1.25	1.19	1.15	96	92	50-130	3	30	
Endosulfan II	ug/Kg	1.25	1.21	1.21	96	97	50-130	0	30	
4,4'-DDD	ug/Kg	1.25	1.06	1.10	85	88	50-130	4	30	
4,4'-DDT	ug/Kg	1.25	0.925	0.944	74	76	50-130	2	30	
Endrin aldehyde	ug/Kg	1.25	1.19	1.21	96	97	50-130	2	30	
Endosulfan sulfate	ug/Kg	1.25	1.25	1.29	100	103	50-130	3	30	
Methoxychlor	ug/Kg	1.25	0.813	0.861	65	69	50-130	6	30	
Endrin ketone	ug/Kg	1.25	1.26	1.30	101	104	50-130	3	30	
Total Chlordane	ug/Kg		U	U				0	30	
Total Toxaphene	ug/Kg		U	U				0	30	

MATRIX SPIKE SAMPLE: 136568

Original: 1855641001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by GC							
Tetrachloro-m-xylene (S)	%					75	50-130
Decachlorobiphenyl (S)	%					122	50-130
a-BHC	ug/Kg	0	1.52	1.2	79	50-130	
g-BHC (Lindane)	ug/Kg	0	1.52	1.24	81	50-130	
Heptachlor	ug/Kg	0	1.52	1.22	80	50-130	
Aldrin	ug/Kg	0	1.52	1.61	106	50-130	
b-BHC	ug/Kg	0	1.52	1.25	82	50-130	
d-BHC	ug/Kg	0	1.52	1.3	85	50-130	
Heptachlor epoxide	ug/Kg	0	1.52	1.48	97	50-130	
Endosulfan I	ug/Kg	0	1.52	1.36	89	50-130	
g-Chlordane	ug/Kg	0	1.52	1.32	87	50-130	
a-Chlordane	ug/Kg	0	1.52	1.41	93	50-130	
4,4'-DDE	ug/Kg	0	1.52	1.38	90	50-130	
Dieldrin	ug/Kg	0	1.52	1.49	98	50-130	

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QUALITY CONTROL DATA

Workorder: 1855641

Project ID: Century Village 62102.07

MATRIX SPIKE SAMPLE: 136568

Original: 1855641001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Endrin	ug/Kg	0	1.52	1.35	89	50-130	
Endosulfan II	ug/Kg	0	1.52	1.43	94	50-130	
4,4'-DDD	ug/Kg	0	1.52	1.27	84	50-130	
4,4'-DDT	ug/Kg	0	1.52	1.02	67	50-130	
Endrin aldehyde	ug/Kg	0	1.52	1.39	92	50-130	
Endosulfan sulfate	ug/Kg	0	1.52	1.61	106	50-130	
Methoxychlor	ug/Kg	0	1.52	0.999	66	50-130	
Endrin ketone	ug/Kg	0	1.52	1.54	101	50-130	
Total Chlordane	ug/Kg						
Total Toxaphene	ug/Kg						

SAMPLE DUPLICATE: 136569

Original: 1855641002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by GC						
Tetrachloro-m-xylene (S)	%	1.04		5	30	
Decachlorobiphenyl (S)	%	1.16		20	30	
a-BHC	ug/Kg	0	U	0	30	
g-BHC (Lindane)	ug/Kg	0	U	0	30	
Heptachlor	ug/Kg	0	U	0	30	
Aldrin	ug/Kg	0	U	0	30	
b-BHC	ug/Kg	0	U	0	30	
d-BHC	ug/Kg	0	U	0	30	
Heptachlor epoxide	ug/Kg	0	U	0	30	
Endosulfan I	ug/Kg	0	U	0	30	
g-Chlordane	ug/Kg	0.21	0.658	100	30	P
a-Chlordane	ug/Kg	0.73	0.368i	70	30	P
4,4'-DDE	ug/Kg	0	U	0	30	
Dieldrin	ug/Kg	0.21	0.451	69	30	P
Endrin	ug/Kg	0	U	0	30	
Endosulfan II	ug/Kg	0	U	0	30	
4,4'-DDD	ug/Kg	0	U	0	30	
4,4'-DDT	ug/Kg	0	U	0	30	
Endrin aldehyde	ug/Kg	0	U	0	30	
Endosulfan sulfate	ug/Kg	0	U	0	30	
Methoxychlor	ug/Kg	0	U	0	30	
Endrin ketone	ug/Kg	0	U	0	30	
Total Chlordane	ug/Kg	5.6	6.25	6	30	
Total Toxaphene	ug/Kg	39	72.6	56	30	P

QUALITY CONTROL DATA

Workorder: 1855641

Project ID: Century Village 62102.07

QC Batch:	XXX/10805	Analysis Method:		EPA 8081 (GC)		
QC Batch Method:	EPA 3510C					
Associated Lab Samples:	1855641003	1855641006	1855641009	1855641012	1855641015	1855641018
	1855641021	1855641024	1855641027			

METHOD BLANK: 136656

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	54	50-130	
Decachlorobiphenyl (S)	%	82	50-130	
a-BHC	ug/L	U	0.0011	
g-BHC (Lindane)	ug/L	U	0.00056	
Heptachlor	ug/L	U	0.00049	
Aldrin	ug/L	U	0.00049	
b-BHC	ug/L	U	0.0014	
d-BHC	ug/L	U	0.0012	
Heptachlor epoxide	ug/L	U	0.0015	
Endosulfan I	ug/L	U	0.0012	
g-Chlordane	ug/L	U	0.00049	
a-Chlordane	ug/L	U	0.00068	
4,4'-DDE	ug/L	U	0.0016	
Dieldrin	ug/L	U	0.00059	
Endrin	ug/L	U	0.00069	
Endosulfan II	ug/L	U	0.00083	
4,4'-DDD	ug/L	U	0.00060	
4,4'-DDT	ug/L	U	0.0010	
Endrin aldehyde	ug/L	U	0.00073	
Endosulfan sulfate	ug/L	U	0.00059	
Methoxychlor	ug/L	U	0.0012	
Endrin ketone	ug/L	U	0.00086	
Total Chlordane	ug/L	U	0.0011	
Total Toxaphene	ug/L	U	0.049	

LABORATORY CONTROL SAMPLE & LCSD: 136657 136658

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				54	53	50-130	7	30	
Decachlorobiphenyl (S)	%				73	73	50-130	0	30	
a-BHC	ug/L	0.025	0.017	0.017	70	67	50-130	0	30	
g-BHC (Lindane)	ug/L	0.025	0.018	0.017	72	68	50-130	6	30	
Heptachlor	ug/L	0.025	0.016	0.016	64	64	50-130	0	30	

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QUALITY CONTROL DATA

Workorder: 1855641

Project ID: Century Village 62102.07

LABORATORY CONTROL SAMPLE & LCSD: 136657

136658

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Aldrin	ug/L	0.025	0.017	0.018	67	72	50-130	6	30	
b-BHC	ug/L	0.025	0.018	0.018	71	70	50-130	0	30	
d-BHC	ug/L	0.025	0.018	0.019	73	74	50-130	5	30	
Heptachlor epoxide	ug/L	0.025	0.019	0.019	77	75	50-130	0	30	
Endosulfan I	ug/L	0.025	0.020	0.019	78	76	50-130	5	30	
g-Chlordane	ug/L	0.025	0.018	0.018	72	73	50-130	0	30	
a-Chlordane	ug/L	0.025	0.018	0.018	74	74	50-130	0	30	
4,4'-DDE	ug/L	0.025	0.019	0.020	76	79	50-130	5	30	
Dieldrin	ug/L	0.025	0.018	0.018	72	74	50-130	0	30	
Endrin	ug/L	0.025	0.019	0.020	76	78	50-130	5	30	
Endosulfan II	ug/L	0.025	0.020	0.020	78	80	50-130	0	30	
4,4'-DDD	ug/L	0.025	0.018	0.018	71	74	50-130	0	30	
4,4'-DDT	ug/L	0.025	0.013	0.015	53	59	50-130	14	30	
Endrin aldehyde	ug/L	0.025	0.018	0.016	71	65	50-130	12	30	
Endosulfan sulfate	ug/L	0.025	0.021	0.022	83	88	50-130	5	30	
Methoxychlor	ug/L	0.025	0.013	0.013	52	51	50-130	0	30	
Endrin ketone	ug/L	0.025	0.020	0.020	81	80	50-130	0	30	
Total Chlordane	ug/L		U	U				0	30	
Total Toxaphene	ug/L		U	U				0	30	

QUALITY CONTROL DATA QUALIFIERS

Workorder: 1855641

Project ID: Century Village 62102.07

QUALITY CONTROL PARAMETER QUALIFIERS

- J3a The reported value failed to meet the established quality control criteria. LCS value skewed high. Target analyte was not detected in associated samples.
- P Results vary by more than allowed by precision requirement for method.

FDOH# E86546 CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1855641014	B-93-2	SM 2540G	WGR/3395		
1855641016	B-94-0.5	SM 2540G	WGR/3395		
1855641017	B-94-2	SM 2540G	WGR/3397		
1855641019	B-95-0.5	SM 2540G	WGR/3397		
1855641020	B-95-2	SM 2540G	WGR/3397		
1855641022	B-96-0.5	SM 2540G	WGR/3397		
1855641023	B-96-2	SM 2540G	WGR/3397		
1855641025	B-97-0.5	SM 2540G	WGR/3397		
1855641026	B-97-2	SM 2540G	WGR/3397		
1855641001	B-89-0.5	SM 2540G	WGR/3398		
1855641002	B-89-2	SM 2540G	WGR/3398		
1855641004	B-90-0.5	SM 2540G	WGR/3398		
1855641005	B-90-2	SM 2540G	WGR/3398		
1855641007	B-91-0.5	SM 2540G	WGR/3398		
1855641008	B-91-2	SM 2540G	WGR/3398		
1855641010	B-92-0.5	SM 2540G	WGR/3398		
1855641011	B-92-2	SM 2540G	WGR/3398		
1855641013	B-93-0.5	SM 2540G	WGR/3398		
1855641001	B-89-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641002	B-89-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641004	B-90-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641005	B-90-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641007	B-91-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641008	B-91-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641010	B-92-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641011	B-92-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641013	B-93-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1855641

Project ID: Century Village 62102.07

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1855641014	B-93-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641016	B-94-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641017	B-94-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641019	B-95-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641020	B-95-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641022	B-96-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641023	B-96-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641025	B-97-0.5	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641026	B-97-2	EPA 3545	XXX/10802	EPA 8081 (GC)	XGC/3474
1855641003	B-89	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641006	B-90	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641009	B-91	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641012	B-92	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641015	B-93	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641018	B-94	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641021	B-95	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641024	B-96	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475
1855641027	B-97	EPA 3510C	XXX/10805	EPA 8081 (GC)	XGC/3475

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Company Name <u>Edward G. Rahrig Pk LLC</u>						LAB ANALYSIS												Requested Turnaround Time			
Address <u>1086 SW Sultan Drive</u>						Pres Codes													Field Filtered (Y/N)	Note: Rush requests subject to acceptance by the laboratory	
City <u>Port St. Lucie</u> State <u>FL</u> Zip <u>34953</u>																				<input checked="" type="checkbox"/> Standard	
Sampling Site Address <u>2400 Century Blvd</u>																		<input type="checkbox"/> Expedited			
Attn: <u>Ed Rahrig</u> Email _____																		Due ___/___/___			
Project Name <u>Century Village</u> Project # <u>62102.07</u>																		Comments			
Sampler Name/Signature <u>Ed Rahrig</u>																					
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont																
1	B-89-0.5	3/1/18	0850	S	1	✓	✓													*HOLD*	
2	B-89-2	↓	0857	S	1	✓	✓													All	
3	B-89		0910	GW	1	✓														As in	
4	B-90-0.5		0921	S	1	✓	✓													Soil	
5	B-90-2		0922	S	1	✓	✓														
6	B-90		0940	GW	1	✓															
7	B-91-0.5		0950	S	1	✓	✓														
8	B-91-2		0951	S	1	✓	✓														
9	B-91		1006	GW	1	✓															
10	B-92-0.5		1024	S	1	✓	✓														
Matrix Codes*				Pres Codes		Relinquished by		Date	Time	Received by		Date	Time								
S	Soil/Solid Sediment	SW	Surface Water	A- none	I- Ice			3/1/18	14:39	E. Rahrig		3/1/18	14:39								
GW	Ground Water	SL	Sludge	B- HNO ₃	O- Other					3/1/18	14:39	Ed Rahrig		3/1/18	14:39						
WW	Waste Water	O	Other (Please Specify)	C- H ₂ SO ₄	M- MeOH																
DW	Drinking Water			D- NaOH	N- Na ₂ S ₂ O ₈																
				E- HCl	Z- ZnAc																
QA/QC level with report																					
None <u>1</u> <u>2</u> <u>3</u> See price guide for applicable fees																					
FDEP Dry Cleaning <input type="checkbox"/> FDEP UST Pre-Approval <input type="checkbox"/>						Temp Control:															
SFWMD <input type="checkbox"/> ADaPT <input type="checkbox"/> DOT <input type="checkbox"/>						<u>3.1</u> °C															

Company Name						LAB ANALYSIS										Requested Turnaround Time		
Address						Pres Codes											Note: Rush requests subject to acceptance by the laboratory	
City																	<input checked="" type="checkbox"/> Standard	
Sampling Site Address						Parameters											<input type="checkbox"/> Expedited	
Attn: _____ Email _____																	Due ___/___/___	
Project Name						#											Comments	
Sampler Name/Signature																		
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont													
11	B-92-2	3/1/18	1025	S	1	✓	✓											* HOLD *
12	B-92		1045	GW	1	✓												All As
13	B-93-0.5		1052	S	1	✓	✓											in Soil
14	B-93-2		1053	S	1	✓	✓											
15	B-93		1105	GW	1	✓												
16	B-94-0.5		1115	S	1	✓	✓											
17	B-94-2		1116	S	1	✓	✓											
18	B-94		1132	GW	1	✓												
19	B-95-0.5		1143	S	1	✓	✓											
20	B-95-2		1144	S	1	✓	✓											
Matrix Codes*				Pres Codes		Relinquished by		Date	Time	Received by		Date	Time					
S	Soil/Solid Sediment	SW	Surface Water	A-	none	I-	Ice	Ed Rahnig	3/1/18	14:39	ED Rahnig	3/1/18	14:39					
GW	Ground Water	SL	Sludge	B-	HNO ₃	O-	Other											
WW	Waste Water	O	Other (Please Specify)	C-	H ₂ SO ₄	M-	MeOH	Ed Rahnig	3/1/18	14:39	Ed Rahnig	3/1/18	14:39					
DW	Drinking Water			D-	NaOH	N-	Na ₂ S ₂ O ₃											
				E-	HCl	Z-	ZnAc											
QA/QC level with report																		
None <u>1</u> <u>2</u> <u>3</u> See price guide for applicable fees																		
FDEP Dry Cleaning <input type="checkbox"/> FDEP UST Pre-Approval <input type="checkbox"/>						Temp Control:												
SFWMD <input type="checkbox"/> ADaPT <input type="checkbox"/> DOT <input type="checkbox"/>						3.1 °C												

Company Name <u>Edward G. Rahnig, P.C., LLC</u>						LAB ANALYSIS										Requested Turnaround Time			
Address <u>1086 SW Sultan Dr</u>						Pres Codes	<u>II</u>										Field Filtered (Y/N)	Note: Rush requests subject to acceptance by the laboratory	
City <u>PSL</u> State <u>FL</u> Zip <u>34953</u>																		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited	
Sampling Site Address <u>2400 Century Blvd</u>						Parameters											Due <u> </u> / <u> </u> / <u> </u>		
Attn: <u>Ed Rahnig</u> Email _____																	Comments		
Project Name <u>Century Villas</u> Project # <u>62103.7</u>																			
Sampler Name/Signature <u>Ed Rahnig</u>																			
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont														
<u>21</u>	<u>B-95</u>	<u>3/1/18</u>	<u>1200</u>	<u>GW</u>	<u>1</u>	<u>✓</u>											<u>* HOLD *</u>		
<u>22</u>	<u>B-96-0.5</u>		<u>1210</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>										<u>All As</u>		
<u>23</u>	<u>B-96-2</u>		<u>1211</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>										<u>in Soil</u>		
<u>24</u>	<u>B-96</u>		<u>1230</u>	<u>GW</u>	<u>1</u>	<u>✓</u>													
<u>25</u>	<u>B-97-0.5</u>		<u>1240</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>												
<u>26</u>	<u>B-97-2</u>		<u>1241</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>												
<u>27</u>	<u>B-97</u>		<u>1305</u>	<u>GW</u>	<u>1</u>	<u>✓</u>													
<u>8</u>																			
<u>9</u>																			
<u>0</u>																			
Matrix Codes*				Pres Codes		Relinquished by		Date	Time	Received by		Date	Time						
S Soil/Solid Sediment	SW Surface Water	A- none	I- Ice	<u>Ed Rahnig</u> <u>Ed Rahnig</u>		<u>3/1/18</u>	<u>19:39</u>	<u>Ed Rahnig</u>		<u>3/1/18</u>	<u>14:39</u>								
GW Ground Water	SL Sludge	B- HNO ₃	O- Other			<u>3/1/18</u>	<u>14:39</u>	<u>Ed Rahnig</u>		<u>3/1/18</u>	<u>14:39</u>								
WW Waste Water	O Other (Please Specify)	C- H ₂ SO ₄	M- MeOH																
DW Drinking Water		D- NaOH	N- Na ₂ S ₂ O ₃																
		E- HCl	Z- ZnAc																
QA/QC level with report																			
None <u> </u> 1 <u> </u> 2 <u> </u> 3 <u> </u> See price guide for applicable fees																			
FDEP Dry Cleaning <input type="checkbox"/>				FDEP UST Pre-Approval <input type="checkbox"/>		Temp Control:													
SFWMD <input type="checkbox"/>				ADaPT <input type="checkbox"/>		<u>3.1</u> °C													

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG: 1855641	Req: 1464
Client: Edward Rahri	Project: EDWARD RAHRI
Level: 1	Date Rec'd: 3/1/2018 2:39:00 PM
Rec'd via: courier	

Cooler Check

Security Tape

ID	Temp	# of samples	Present	Intact	Method of Receipt	Comments
	3.1	27	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: CF

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)	Domestic	COC Comments written on COC?	Yes
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
-----------	-----	----------	----------

October 5, 2018

Edward Rahrig
Edward Rahrig
632 SW Aster Rd
Port Saint Lucie, FL 34953

RE: LOG# 1858766
Project ID: Century Village 62102.08
COC# 1858766

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, October 02, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

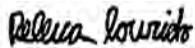
Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

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SAMPLE ANALYTE COUNT

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID	Sample ID	Method	Analytes Reported
1858766001	MW-21-0.5	EPA 6020	1
		SM 2540G	1
1858766002	MW-21-2	EPA 6020	1
		SM 2540G	1
1858766003	MW-22-0.5	EPA 6020	1
		SM 2540G	1
1858766004	MW-22-2	EPA 6020	1
		SM 2540G	1
1858766005	MW-23-0.5	EPA 6020	1
		SM 2540G	1
1858766006	MW-23-2	EPA 6020	1
		SM 2540G	1
1858766007	MW-24-0.5	EPA 6020	1
		SM 2540G	1
1858766008	MW-24-2	EPA 6020	1
		SM 2540G	1
1858766009	MW-25-0.5	EPA 6020	1
		SM 2540G	1
1858766010	MW-25-2	EPA 6020	1
		SM 2540G	1
1858766011	MW-26-0.5	EPA 6020	1
		SM 2540G	1
1858766012	MW-26-2	EPA 6020	1
		SM 2540G	1

SAMPLE SUMMARY

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1858766001	MW-21-0.5	Soil/Solid	10/2/2018 09:10	10/2/2018 15:17
1858766002	MW-21-2	Soil/Solid	10/2/2018 09:11	10/2/2018 15:17
1858766003	MW-22-0.5	Soil/Solid	10/2/2018 10:10	10/2/2018 15:17
1858766004	MW-22-2	Soil/Solid	10/2/2018 10:11	10/2/2018 15:17
1858766005	MW-23-0.5	Soil/Solid	10/2/2018 10:35	10/2/2018 15:17
1858766006	MW-23-2	Soil/Solid	10/2/2018 10:36	10/2/2018 15:17
1858766007	MW-24-0.5	Soil/Solid	10/2/2018 11:05	10/2/2018 15:17
1858766008	MW-24-2	Soil/Solid	10/2/2018 11:06	10/2/2018 15:17
1858766009	MW-25-0.5	Soil/Solid	10/2/2018 11:55	10/2/2018 15:17
1858766010	MW-25-2	Soil/Solid	10/2/2018 11:56	10/2/2018 15:17
1858766011	MW-26-0.5	Soil/Solid	10/2/2018 12:40	10/2/2018 15:17
1858766012	MW-26-2	Soil/Solid	10/2/2018 12:41	10/2/2018 15:17

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ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766001** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-21-0.5** Date Collected: 10/2/2018 09:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.7	%	0.1		1			10/3/2018 16:39	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 14:40	ZS	

ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766002** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-21-2** Date Collected: 10/2/2018 09:11

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.5	%	0.1		1			10/4/2018 16:50	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 14:45	ZS	

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ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766003** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-22-0.5** Date Collected: 10/2/2018 10:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	95.3	%	0.1		1			10/4/2018 16:50	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.52	0.086	2	10/3/2018 08:59	ZS	10/3/2018 15:13	ZS	

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ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766004** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-22-2** Date Collected: 10/2/2018 10:11

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.7	%	0.1		1			10/4/2018 16:50	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 15:18	ZS	

ANALYTICAL RESULTS

Workorder: 1858766
Project ID: Century Village 62102.08

Lab ID: **1858766005** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-23-0.5** Date Collected: 10/2/2018 10:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	92.3	%	0.1		1			10/4/2018 16:50	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.35i	mg/Kg	0.54	0.089	2	10/3/2018 08:59	ZS	10/3/2018 15:23	ZS	

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ANALYTICAL RESULTS

Workorder: 1858766
Project ID: Century Village 62102.08

Lab ID: **1858766006** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-23-2** Date Collected: 10/2/2018 10:36

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	98.1	%	0.1		1			10/4/2018 16:50	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 15:28	ZS	

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766007** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-24-0.5** Date Collected: 10/2/2018 11:05

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.8	%	0.1		1			10/5/2018 10:23	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.56	mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 15:32	ZS	

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ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766008** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-24-2** Date Collected: 10/2/2018 11:06

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	98.8 %		0.1		1			10/5/2018 10:23	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.51	0.083	2	10/3/2018 08:59	ZS	10/3/2018 15:37	ZS	

ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766009** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-25-0.5** Date Collected: 10/2/2018 11:55

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	93.3 %		0.1		1			10/5/2018 10:23	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.56 mg/Kg		0.54	0.088	2	10/3/2018 08:59	ZS	10/3/2018 15:42	ZS	

ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766010** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-25-2** Date Collected: 10/2/2018 11:56

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.2	%	0.1		1			10/5/2018 10:23	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.22i	mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 15:47	ZS	

ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766011** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-26-0.5** Date Collected: 10/2/2018 12:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.3	%	0.1		1			10/5/2018 10:23	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.24i	mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 15:51	ZS	

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ANALYTICAL RESULTS

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID: **1858766012** Date Received: 10/2/2018 15:17 Matrix: Soil/Solid
Sample ID: **MW-26-2** Date Collected: 10/2/2018 12:41

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.5	%	0.1		1			10/5/2018 10:23	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.12i	mg/Kg	0.51	0.084	2	10/3/2018 08:59	ZS	10/3/2018 15:56	ZS	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1858766

Project ID: Century Village 62102.08

PARAMETER QUALIFIERS

PROJECT COMMENTS

1858766

A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

FDOH# E86546

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QUALITY CONTROL DATA

Workorder: 1858766

Project ID: Century Village 62102.08

QC Batch:	MXX/10053	Analysis Method:		EPA 6020		
QC Batch Method:	EPA 3050B					
Associated Lab Samples:	1858341111	1858766001	1858766002	1858766003	1858766004	1858766005
	1858766006	1858766007	1858766008	1858766009	1858766010	1858766011
	1858766012	1858768001	1858768002	1858769001	1858769002	1858769003
	1858769004					

METHOD BLANK: 151271

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 151272 151273

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	9.9	9.9	99.3	98.9	80-120	0	20	

MATRIX SPIKE SAMPLE: 151275 Original: 1858766012

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	0.12	20	19	96.1	75-125	

SAMPLE DUPLICATE: 151274 Original: 1858766012

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	0.12	0.11i	18.2	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1858766

Project ID: Century Village 62102.08

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1858766001	MW-21-0.5	SM 2540G	WGR/3615		
1858766001	MW-21-0.5	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766002	MW-21-2	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766003	MW-22-0.5	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766004	MW-22-2	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766005	MW-23-0.5	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766006	MW-23-2	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766007	MW-24-0.5	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766008	MW-24-2	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766009	MW-25-0.5	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766010	MW-25-2	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766011	MW-26-0.5	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766012	MW-26-2	EPA 3050B	MXX/10053	EPA 6020	MMS/8949
1858766002	MW-21-2	SM 2540G	WGR/3616		
1858766003	MW-22-0.5	SM 2540G	WGR/3616		
1858766004	MW-22-2	SM 2540G	WGR/3616		
1858766005	MW-23-0.5	SM 2540G	WGR/3616		
1858766006	MW-23-2	SM 2540G	WGR/3616		
1858766007	MW-24-0.5	SM 2540G	WGR/3616		
1858766008	MW-24-2	SM 2540G	WGR/3616		
1858766009	MW-25-0.5	SM 2540G	WGR/3616		
1858766010	MW-25-2	SM 2540G	WGR/3616		
1858766011	MW-26-0.5	SM 2540G	WGR/3616		
1858766012	MW-26-2	SM 2540G	WGR/3616		

Company Name						LAB ANALYSIS											Requested Turnaround Time				
Address						Parameters	Pres Codes											Field Filtered (Y/N)	Note: Rush requests subject to acceptance by the laboratory		
City							Standard														
State							Expedited														
Zip							Due														
Sampling Site Address																					
Attn:																					
Project Name																					
Project #																					
Sampler Name/Signature																					
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont																Comments
1	MW-21-0.5	10/2/18	0910	50	1	AS	✓														
2	MW-21-2		0911				✓														
3	MW-22-0.5		1010				✓														
4	MW-22-2		1011				✓														
5	MW-23-0.5		1035				✓														
6	MW-23-2		1036				✓														
7	MW-24-0.5		1105				✓														
8	MW- 24 ²⁵ -2		1106				✓														
9	MW-25 ^{ER} -0.5		1155				✓														
10	MW-25-2		1156				✓														

Matrix Codes*		Pres Codes	Relinquished by	Date	Time	Received by	Date	Time	
S Soil/Solid Sediment	SW Surface Water	A- none	I- Ice	[Signature]	10/2/18	15:17	[Signature]	10/2/18	15:17
GW Ground Water	SL Sludge	B- HNO ₃	O- Other						
WW Waste Water	O Other (Please Specify)	C- H ₂ SO ₄	M- MeOH						
DW Drinking Water		D- NaOH	N- Na ₂ S ₂ O ₃						
		E- HCl	Z- ZnAc						

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFWMD ADaPT DOT Temp Control: 28.9°C

Company Name <u>Edward G Rahrig</u>						LAB ANALYSIS												Requested Turnaround Time					
Address <u>1086 SW Sultan Dr</u>						Parameters														Field Filtered (Y/N)			
City <u>PSC</u> State <u>FL</u> Zip <u>34953</u>																		Pres Codes					
Sampling Site Address <u>Century Village</u>						Matrix Code																	
Attn: <u>Ed Rahrig</u> Email _____																		# of Cont					
Project Name <u>Century Village</u> Project # <u>62102.08</u>						#																	
Sampler Name/Signature <u>Ed Rahrig</u>																		Sample Label (Client ID)					
#		Collected Date		Collected Time		Matrix Code		# of Cont															
1		10/2/18		1240		SO		1															
2		"		1241		SO		1															
3																							
4																							
5																							
6																							
7																							
8																							
9																							
0																							

Matrix Codes*				Pres Codes		Relinquished by		Date		Time		Received by		Date		Time	
S	Soil/Solid Sediment	SW	Surface Water	A- none	I- Ice	<u>Edg</u>		<u>10/2/18</u>		<u>15:17</u>		<u>mln</u>		<u>10/2/18</u>		<u>15:17</u>	
GW	Ground Water	SL	Sludge	B- HNO ₃	O- Other												
WW	Waste Water	O	Other (Please Specify)	C- H ₂ SO ₄	M- MeOH												
DW	Drinking Water			D- NaOH	N- Na ₂ S ₂ O ₃												
				E- HCl	Z- ZnAc												

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFWMD ADaPT DOT Temp Control: 28.9°C

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	1858766	Req:	1464
Client:	Edward Rahri	Project:	EDWARD RAHRI
Level:	1	Date Rec'd:	10/2/2018 3:17:00 PM
Rec'd via:	Client		

Cooler Check

ID	Temp	# of samples	Security Tape		Method of Receipt	Comments
			Present	Intact		
	28.9	12	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: MD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	Client	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)	Domestic	COC Comments written on COC?	No
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments

October 5, 2018

Edward Rahrig
Edward Rahrig
632 SW Aster Rd
Port Saint Lucie, FL 34953

RE: LOG# 1858793
Project ID: Century Village 62102.08
COC# 1858793

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, October 03, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

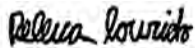
Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

FDOH# E86546
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SAMPLE ANALYTE COUNT

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID	Sample ID	Method	Analytes Reported
1858793001	MW-27-0.5	EPA 6020	1
		SM 2540G	1
1858793002	MW-27-2	EPA 6020	1
		SM 2540G	1
1858793003	MW-28-0.5	EPA 6020	1
		SM 2540G	1
1858793004	MW-28-2	EPA 6020	1
		SM 2540G	1

SAMPLE SUMMARY

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1858793001	MW-27-0.5	Soil/Solid	10/3/2018 13:30	10/3/2018 16:25
1858793002	MW-27-2	Soil/Solid	10/3/2018 13:31	10/3/2018 16:25
1858793003	MW-28-0.5	Soil/Solid	10/3/2018 14:30	10/3/2018 16:25
1858793004	MW-28-2	Soil/Solid	10/3/2018 14:31	10/3/2018 16:25

ANALYTICAL RESULTS

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID: **1858793001** Date Received: 10/3/2018 16:25 Matrix: Soil/Solid
Sample ID: **MW-27-0.5** Date Collected: 10/3/2018 13:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	95.8 %		0.1		1			10/4/2018 16:40	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.12i mg/Kg		0.52	0.086	2	10/4/2018 13:47	ZS	10/4/2018 18:47	ZS	

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ANALYTICAL RESULTS

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID: **1858793002** Date Received: 10/3/2018 16:25 Matrix: Soil/Solid
Sample ID: **MW-27-2** Date Collected: 10/3/2018 13:31

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	96.6	%	0.1		1			10/4/2018 16:40	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.52	0.085	2	10/4/2018 13:47	ZS	10/4/2018 18:52	ZS	

ANALYTICAL RESULTS

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID: **1858793003** Date Received: 10/3/2018 16:25 Matrix: Soil/Solid
Sample ID: **MW-28-0.5** Date Collected: 10/3/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	86.0	%	0.1		1			10/4/2018 16:40	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.25i	mg/Kg	0.58	0.095	2	10/4/2018 13:47	ZS	10/4/2018 18:57	ZS	

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ANALYTICAL RESULTS

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID: **1858793004** Date Received: 10/3/2018 16:25 Matrix: Soil/Solid
Sample ID: **MW-28-2** Date Collected: 10/3/2018 14:31

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	95.9	%	0.1		1			10/4/2018 16:40	DB	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.52	0.085	2	10/4/2018 13:47	ZS	10/4/2018 19:01	ZS	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1858793

Project ID: Century Village 62102.08

PARAMETER QUALIFIERS

PROJECT COMMENTS

1858793

A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

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QUALITY CONTROL DATA

Workorder: 1858793

Project ID: Century Village 62102.08

QC Batch: MXX/10057 Analysis Method: EPA 6020
QC Batch Method: EPA 3050B
Associated Lab Samples: 1858793001 1858793002 1858793003 1858793004

METHOD BLANK: 151375

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 151376 151377

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	10	9.9	99.5	99.5	80-120	1.01	20	

MATRIX SPIKE SAMPLE: 151379 Original: 1858793004

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	0.074	20	20	101	75-125	

SAMPLE DUPLICATE: 151378 Original: 1858793004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	0.074	0.087i	12.7	20	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1858793

Project ID: Century Village 62102.08

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1858793001	MW-27-0.5	EPA 3050B	MXX/10057	EPA 6020	MMS/8953
1858793002	MW-27-2	EPA 3050B	MXX/10057	EPA 6020	MMS/8953
1858793003	MW-28-0.5	EPA 3050B	MXX/10057	EPA 6020	MMS/8953
1858793004	MW-28-2	EPA 3050B	MXX/10057	EPA 6020	MMS/8953
1858793001	MW-27-0.5	SM 2540G	WGR/3617		
1858793002	MW-27-2	SM 2540G	WGR/3617		
1858793003	MW-28-0.5	SM 2540G	WGR/3617		
1858793004	MW-28-2	SM 2540G	WGR/3617		

						LAB ANALYSIS																				
Company Name <u>Edward G. Rahrig PG LLC</u>						Parameters	Pres Codes <u>A</u>																Field Filtered (Y/N)	Requested Turnaround Time		
Address <u>1086 SW Sultan Dr</u>																									Note: Rush requests subject to acceptance by the laboratory	
City <u>PSL</u> State <u>FL</u> Zip <u>34953</u>																									<input checked="" type="checkbox"/> Standard	
Sampling Site Address <u>Century Village</u>																										<input type="checkbox"/> Expedited
Attn: <u>Ed Rahrig</u> Email <u>ER</u>																										Due <u> </u> / <u> </u> / <u> </u>
Project Name <u>Century Village</u> Project # <u>62102.08</u>						AS																	Field Filtered (Y/N)	Comments		
Sampler Name/Signature <u>Ed Rahrig / Ed Rahrig</u>																										
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont																					
1	MW-27-0.5	10/3/18	1330	SO	1																					
2	MW-27-2	↓	B31	↓	↓																					
3	MW-28-0.5	↓	1430	↓	↓																					
4	MW-28-2	↓	1431	↓	↓																					
5	X																									
6	X																									
7	X																									
8	X																									
9	X																									
0	X																									
Matrix Codes*				Pres Codes		Relinquished by <u>[Signature]</u>	Date	Time	Received by <u>[Signature]</u>	Date	Time															
S	Soil/Solid Sediment	SW	Surface Water	A-	none	I-	Ice	10/3/18	16:25		10/3/18	16:25														
GW	Ground Water	SL	Sludge	B-	HNO ₃	O-	Other																			
WW	Waste Water	O	Other (Please Specify)	C-	H ₂ SO ₄	M-	MeOH																			
DW	Drinking Water			D-	NaOH	N-	Na ₂ S ₂ O ₃																			
				E-	HCl	Z-	ZnAc																			
QA/QC level with report																										
None <u> </u> 1 <u> </u> 2 <u> </u> 3 <u> </u> See price guide for applicable fees																										
FDEP Dry Cleaning <input type="checkbox"/> FDEP UST Pre-Approval <input type="checkbox"/>						Temp Control:																				
SFWMD <input type="checkbox"/> ADaPT <input type="checkbox"/> DOT <input type="checkbox"/>						<u>28.6°C</u>																				

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	1858793	Req:	1464
Client:	Edward Rahri	Project:	EDWARD RAHRI
Level:	1	Date Rec'd:	10/3/2018 4:25:00 PM
Rec'd via:	Client		

Cooler Check

ID	Temp	# of samples	Security Tape		Method of Receipt	Comments
			Present	Intact		
	28.6	4	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: MD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	Client	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)	Domestic	COC Comments written on COC?	No
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
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October 10, 2018

Edward Rahrig
Edward Rahrig
632 SW Aster Rd
Port Saint Lucie, FL 34953

RE: LOG# 1858880
Project ID: Century Village 62102.08
COC# 1858880

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, October 09, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

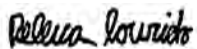
Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

FDOH# E86546
CERTIFICATE OF ANALYSIS

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SAMPLE ANALYTE COUNT

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID	Sample ID	Method	Analytes Reported
1858880001	MW-21	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880002	MW-22	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880003	MW-23	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880004	MW-24	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880005	MW-25	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880006	MW-26	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880007	MW-27	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1858880008	MW-28	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1

SAMPLE SUMMARY

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1858880001	MW-21	Aqueous Liquid	10/9/2018 09:14	10/9/2018 13:27
1858880002	MW-22	Aqueous Liquid	10/9/2018 09:36	10/9/2018 13:27
1858880003	MW-23	Aqueous Liquid	10/9/2018 10:07	10/9/2018 13:27
1858880004	MW-24	Aqueous Liquid	10/9/2018 10:24	10/9/2018 13:27
1858880005	MW-25	Aqueous Liquid	10/9/2018 10:52	10/9/2018 13:27
1858880006	MW-26	Aqueous Liquid	10/9/2018 11:06	10/9/2018 13:27
1858880007	MW-27	Aqueous Liquid	10/9/2018 11:44	10/9/2018 13:27
1858880008	MW-28	Aqueous Liquid	10/9/2018 12:18	10/9/2018 13:27

FDOH# E86546

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ANALYTICAL RESULTS

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID: **1858880001** Date Received: 10/9/2018 13:27 Matrix: Aqueous Liquid
Sample ID: **MW-21** Date Collected: 10/9/2018 09:14

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 11:50	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:57	ZS	

ANALYTICAL RESULTS

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID: **1858880002** Date Received: 10/9/2018 13:27 Matrix: Aqueous Liquid
Sample ID: **MW-22** Date Collected: 10/9/2018 09:36

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 11:55	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:01	ZS	

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID: **1858880003** Date Received: 10/9/2018 13:27 Matrix: Aqueous Liquid
Sample ID: **MW-23** Date Collected: 10/9/2018 10:07

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:00	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:06	ZS	

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ANALYTICAL RESULTS

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID: **1858880004**

Date Received: 10/9/2018 13:27

Matrix: Aqueous Liquid

Sample ID: **MW-24**

Date Collected: 10/9/2018 10:24

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 200.8 Metals (W)

Preparation Method: EPA 200.2 mod.

Analytical Method: EPA 200.8 (Total)

Arsenic	U	ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:05	ZS	
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Analysis Desc: EPA 200.8 Dissolved Metals (W)

Preparation Method: EPA 200.2 mod.

Analytical Method: EPA 200.8 (Dissolved)

Arsenic	U	ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:11	ZS	
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ANALYTICAL RESULTS

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID: **1858880005**

Date Received: 10/9/2018 13:27

Matrix: Aqueous Liquid

Sample ID: **MW-25**

Date Collected: 10/9/2018 10:52

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)

Preparation Method: EPA 200.2 mod.

Analytical Method: EPA 200.8 (Total)

Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:09	ZS	
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Analysis Desc: EPA 200.8 Dissolved Metals (W)

Preparation Method: EPA 200.2 mod.

Analytical Method: EPA 200.8 (Dissolved)

Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:15	ZS	
---------	--	--------	-----	------	---	------------------	----	------------------	----	--

ANALYTICAL RESULTS

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID: **1858880006** Date Received: 10/9/2018 13:27 Matrix: Aqueous Liquid
Sample ID: **MW-26** Date Collected: 10/9/2018 11:06

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:14	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:20	ZS	

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1858880
Project ID: Century Village 62102.08

Lab ID: **1858880007** Date Received: 10/9/2018 13:27 Matrix: Aqueous Liquid
Sample ID: **MW-27** Date Collected: 10/9/2018 11:44

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:23	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic		U ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:25	ZS	

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ANALYTICAL RESULTS

Workorder: 1858880
Project ID: Century Village 62102.08

Lab ID: **1858880008** Date Received: 10/9/2018 13:27 Matrix: Aqueous Liquid
Sample ID: **MW-28** Date Collected: 10/9/2018 12:18

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	1.1i	ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 12:19	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	1.1i	ug/L	2.0	0.65	4	10/10/2018 08:48	ZS	10/10/2018 13:30	ZS	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1858880

Project ID: Century Village 62102.08

PARAMETER QUALIFIERS

PROJECT COMMENTS

1858880

A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

FDOH# E86546

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QUALITY CONTROL DATA

Workorder: 1858880

Project ID: Century Village 62102.08

QC Batch:	MXX/10066	Analysis Method:	EPA 200.8 (Total)			
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1858880001	1858880002	1858880003	1858880004	1858880005	1858880006
	1858880007	1858880008				

METHOD BLANK: 151673

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 151674 151675

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	48	49	96.4	97.4	85-115	2.06	20	

MATRIX SPIKE SAMPLE: 151677 Original: 1858880007

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	0	50	50	99.5	70-130	

SAMPLE DUPLICATE: 151676 Original: 1858880007

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	0	U	0	20	

QUALITY CONTROL DATA

Workorder: 1858880

Project ID: Century Village 62102.08

QC Batch: MXX/10067 Analysis Method: EPA 200.8 (Dissolved)
 QC Batch Method: EPA 200.2 mod.
 Associated Lab Samples: 1858880001 1858880002 1858880003 1858880004 1858880005 1858880006
 1858880007 1858880008

METHOD BLANK: 151678

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 151679 151680

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	48	49	96.4	97.4	85-115	2.06	20	

MATRIX SPIKE SAMPLE: 151682 Original: 1858880008

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1.1	50	51	100	70-130	

SAMPLE DUPLICATE: 151681 Original: 1858880008

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	1.1	1.0i	9.52	20	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1858880

Project ID: Century Village 62102.08

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1858880001	MW-21	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880002	MW-22	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880003	MW-23	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880004	MW-24	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880005	MW-25	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880006	MW-26	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880007	MW-27	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880008	MW-28	EPA 200.2 mod.	MXX/10066	EPA 200.8 (Total)	MMS/8962
1858880001	MW-21	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880002	MW-22	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880003	MW-23	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880004	MW-24	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880005	MW-25	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880006	MW-26	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880007	MW-27	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962
1858880008	MW-28	EPA 200.2 mod.	MXX/10067	EPA 200.8 (Dissolved)	MMS/8962

Company Name						LAB ANALYSIS													Requested Turnaround Time			
Address						Pres Codes														Note: Rush requests subject to acceptance by the laboratory		
City																				Parameters		Field Filtered (Y/N)
Sampling Site Address						Total AS	Dissolved AS														Due ___/___/___	
Attn: _____ Email _____																					Comments	
Project Name _____ Project # _____																						
Sampler Name/Signature _____																						
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont																	
1	MW-21	10-9	0914	6W	2	✓	✓												RUSH			
2	MW-22	10-9	0936	6W	2	✓	✓												24-HR			
3	MW-23	10-9	1007	6W	2	✓	✓												↓			
4	MW-24	10-9	1024	6W	2	✓	✓															
5	MW-25	10-9	1052	6W	2	✓	✓															
6	MW-26	10-9	1106	6W	2	✓	✓															
7	MW-27	10-9	1144	6W	2	✓	✓															
8	MW-28	10-9	1218	6W	2	✓	✓															
9	 																					
0	 																					

RUSH

Matrix Codes*			Pres Codes		Relinquished by		Date	Time	Received by		Date	Time
S Soil/Solid Sediment	SW Surface Water	A- none	I- Ice	[Signature]		10/9/18	13:27	[Signature]		10/9/18	13:27	
GW Ground Water	SL Sludge	B- HNO ₃	O- Other									
WW Waste Water	O Other (Please Specify)	C- H ₂ SO ₄	M- MeOH									
DW Drinking Water		D- NaOH	N- Na ₂ S ₂ O ₃									
		E- HCl	Z- ZnAc									
QA/QC level with report None <u>1</u> <u>2</u> <u>3</u> See price guide for applicable fees												
FDEP Dry Cleaning <input type="checkbox"/> FDEP UST Pre-Approval <input type="checkbox"/>			Temp Control:									
SFWMD <input type="checkbox"/> ADaPT <input type="checkbox"/> DOT <input type="checkbox"/>			22 °C									

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	1858880	Req:	1464
Client:	Edward Rahri	Project:	EDWARD RAHRI
Level:	1	Date Rec'd:	10/9/2018 1:27:00 PM
Rec'd via:	Client		

Cooler Check

ID	Temp	# of samples	Security Tape		Method of Receipt	Comments
			Present	Intact		
	2.2	8	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: MD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	Yes	Written on Internal COC?	No
pH Strip Lot #	HC740840	Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #	15127	Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	Client	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)		COC Comments written on COC?	Yes
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	RUSH
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
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From: [Vanlandingham, David](#)
To: ["E. Lee Worsham"](#)
Cc: [Donald Barnes](#); ["Zane Beard"](#); [Fred Pfister](#)
Subject: RE: Century Village SARA Time Extension Request
Date: Friday, August 17, 2018 2:06:14 PM

Lee,

Please accept this email as approval of a final extension until **October 1st, 2018**, to submit the complete Site Assessment Report. Further extensions will only be considered if submitted at least 20 calendar days prior to this due date and an explanation of why the established due date poses a hardship.

Thanks,

David



DAVID S. VANLANDINGHAM, P.E., ENGINEERING UNIT SUPERVISOR

Environmental Protection and Growth Management Department

ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION

1 N University Dr, Mailbox 201 | Plantation, Florida 33324

Office: 954.519.1478

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From: E. Lee Worsham [mailto:LWorsham@shutts.com]
Sent: Friday, August 17, 2018 1:51 PM
To: Vanlandingham, David <DVANLANDINGHAM@broward.org>
Cc: Donald Barnes <DBARNES@tollbrothers.com>; 'Zane Beard' <zbeard@tollbrothers.com>; Fred Pfister <FPFISTER@tollbrothers.com>
Subject: RE: Century Village SARA Time Extension Request

David, I believe we are getting close to a resolution of the contract issues with CVE, which should include access to the appropriate offsite properties. May we request October 1st for the extension date? Thanks, Lee



E. Lee Worsham

Of Counsel

Shutts & Bowen LLP

CityPlace Tower, 525 Okeechobee Blvd, Suite 1100 | West Palm Beach, FL 33401

Direct: (561) 650-8519 | Fax: (561) 822-5530 | Cell: (561) 371-1071

[E-Mail](#) | [Biography](#) | [V-Card](#) | [Website](#)

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From: Vanlandingham, David [<mailto:DVANLANDINGHAM@broward.org>]

Sent: Friday, August 17, 2018 1:35 PM

To: E. Lee Worsham

Cc: Donald Barnes; 'Zane Beard'; Fred Pfister

Subject: RE: Century Village SARA Time Extension Request

Hi Lee, I haven't received a response from you on this. The due date is Monday, but obviously your extension request is logged as being received the 8th.

I will need to grant an extension by Monday COB. Please let me know the status and how much additional time is needed. Thanks



DAVID S. VANLANDINGHAM, P.E., ENGINEERING UNIT SUPERVISOR

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Office: 954.519.1478

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From: E. Lee Worsham [<mailto:LWorsham@shutts.com>]

Sent: Wednesday, August 08, 2018 3:28 PM

To: Vanlandingham, David <DVANLANDINGHAM@broward.org>

Cc: Donald Barnes <DBARNES@tollbrothers.com>; 'Zane Beard' <zbeard@tollbrothers.com>; Fred Pfister <FPFISTER@tollbrothers.com>

Subject: RE: Century Village SARA Time Extension Request

Thank you. Let me find out. CVE Master Management is now contemplating the three-party agreement but we don't have any response yet. Are you going to the Contaminated Media Forum next Tuesday? It's here in Palm Beach Gardens. Thanks, Lee



E. Lee Worsham

Of Counsel

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[E-Mail](#) | [Biography](#) | [V-Card](#) | [Website](#)

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From: Vanlandingham, David [<mailto:DVANLANDINGHAM@broward.org>]

Sent: Wednesday, August 08, 2018 3:20 PM

To: E. Lee Worsham

Cc: Zane Beard; Donald Barnes; 'Fred Pfister'

Subject: RE: Century Village SARA Time Extension Request

EXTERNAL: This email originated from outside of the SHUTTS email system. Do not respond, click any links or open any attachments unless you trust the sender and know the content is safe.

Lee,

The current due date for the SAR is August 20th. Keeping in mind that Brownfield designation and BSRA execution are really independent of assessment timeframe requirements under Rule, how much more time do you need? Will September 20th suffice?



DAVID S. VANLANDINGHAM, P.E., ENGINEERING UNIT SUPERVISOR

Environmental Protection and Growth Management Department

ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION

1 N University Dr, Mailbox 201 | Plantation, Florida 33324

Office: 954.519.1478

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From: E. Lee Worsham [<mailto:EWorsham@shutts.com>]

Sent: Tuesday, July 31, 2018 4:29 PM

To: Vanlandingham, David <DVANLANDINGHAM@broward.org>

Cc: Zane Beard <zbeard@tollbrothers.com>; Donald Barnes <DBARNES@tollbrothers.com>; 'Fred

Pfister' <FPFISTER@tollbrothers.com>

Subject: FW: Century Village SARA Time Extension Request

David, pursuant to our telephone call today, we are requesting another time extension to complete and submit the SARA. CVE Master Management is now reviewing a contract that contains our client's final offer and we understand the Board is expected to vote on it this week. This contract will contain the "global" set of comprehensive terms to designate the site as a Brownfield Site, for execution and procedures for processing the BSRA, and for cooperation for site access for the offsite properties that must be assessed. We appreciate your understanding of the complex nature of these negotiations and we are of the impression that forward progress continues to be made, although not at the pace we would prefer. Please let me know if you have any questions. My best, Lee



E. Lee Worsham
Of Counsel

Shutts & Bowen LLP

CityPlace Tower, 525 Okeechobee Blvd, Suite 1100 | West Palm Beach, FL 33401

Direct: (561) 650-8519 | Fax: (561) 822-5530 | Cell: (561) 371-1071

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From: E. Lee Worsham
Sent: Wednesday, June 27, 2018 3:12 PM
To: 'Vanlandingham, David'; Edward Rahrig
Cc: 'Zane Beard'; 'Stuart Gordon'; 'Donald Barnes'; Fred Pfister
Subject: RE: Century Village SARA Time Extension Request

David, here is our rationale for the extension request:

Initially, at recommendation of counsel, CVE wanted to pursue an FDEP SRCO in addition to the EAR licenses but the request by CVE recently became an intention to pursue a Brownfield designation and BSRA for the recreational parcel to protect CVE from liability. Because of the structure of the three party agreement, and because CVE would be able to acquire the recreational piece only after development had commenced on Toll's piece, Toll expressed preference for a Brownfield designation and BSRA for its own development site, and to allow CVE to pursue its own BSRA because its recreational property development plans might take longer to formulate. Recently, there were discussions about whether there would be two BSRAs or one, until FDEP decided on June 15th and informed counsel for CVE that only one BSRA would be appropriate for the entire former golf course. Because FDEP has just now approved a joint BSRA between Toll and CVE, the parties need some additional time to determine the allocation of future assessment and remediation responsibilities because now CVE will accomplish those Brownfield assessment and remediation steps necessary to accomplish the portion of the SRCO for its proposed recreational park project.

Because offsite groundwater testing was going to necessitate obtaining authorization from some of the incorporated neighborhood condominium associations, Toll's belief was that requests for such authorization would more likely be granted if requested by CVE because of it being able to explain the specter of a recreational park, as opposed to a request from a developer. This too is taking longer than originally anticipated to accomplish.



E. Lee Worsham
Of Counsel

Shutts & Bowen LLP

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[E-Mail](#) | [Biography](#) | [V-Card](#) | [Website](#)

Please consider the environment before printing this email

From: Vanlandingham, David [<mailto:DVANLANDINGHAM@broward.org>]
Sent: Friday, June 15, 2018 4:19 PM
To: Edward Rahrig
Cc: E. Lee Worsham; 'Zane Beard'; 'Stuart Gordon'
Subject: Re: Century Village SARA Time Extension Request

Hi Ed,

To be consistent with how we have considered extensions requests of this nature in the past, can you please send me some evidence of your attempts to obtain off-site access? Thanks

From: Edward Rahrig <edrahrig@comcast.net>
Sent: Friday, June 15, 2018 3:43 PM
To: Vanlandingham, David
Cc: E. Lee Worsham; 'Zane Beard'; 'Stuart Gordon'
Subject: Century Village SARA Time Extension Request

David,

We respectfully request a 45-day time extension to submit the Site Assessment Report Addendum currently due on July 5, 2018. We are proposing near offsite testing of groundwater adjacent to the golf course but are having difficulty obtaining offsite access from the property owners' representative. I am being told progress is being made but negotiations to date have been difficult and time consuming. Edward G. Rahrig, P.G. LLC has a signed contract to perform the work as soon as possible but as I stated, offsite access has not yet been granted. We are prepared to begin work

within a day or two of receiving offsite access.

Thank you very much for your consideration of our request. Please call with any questions you may have.

Ed

Edward G. Rahrig, P.G.
Edward G. Rahrig, P.G. LLC
1086 SW Sultan Drive
Port St. Lucie, Florida 34953
561-246-9732

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Edward G. Rahrig, P.G. LLC
1086 SW Sultan Drive
Port St. Lucie, FL 34953

561-738-4667
edrahrig@comcast.net

Mr. David Vanlandingham, P.E.
Engineering Unit Supervisor
Broward County Environmental Assessment and Remediation Section
1 North University Drive, Mailbox 201
Plantation, Florida 33324

March 7, 2018

**Subject: Fourth Quarter Monitoring Report
Former Hillsboro Pines Golf Course
450, 451, 2799, 2800, and 2801 Century Boulevard
Deerfield Beach, Florida
COM_330833**

Dear Mr. Vanlandingham:

Edward G. Rahrig, P.G. LLC is pleased to present the Fourth Quarter Monitoring Report for the former Hillsboro Pines Golf course located at 450, 451, 2799, 2800, and 2801 Century Boulevard, Deerfield Beach (Broward County), Florida (the “Subject”; Figure 1). Performance of quarterly monitoring for one year was deemed necessary to demonstrate the arsenic groundwater plume beneath the Subject is “stable or shrinking”.

1.0 INTRODUCTION AND SUMMARY OF PRIOR ASSESSMENT WORK

The Subject property was undeveloped or agricultural from the 1940s to the early 1970s, when it was developed as the Hillsboro Pines Golf Course. A variety of agricultural chemicals in the form of solid and liquid fertilizers, pesticides, and herbicides were in routine use during that time, including monosodium methyl arsenate (MSMA), an arsenic-based herbicide. Based on information obtained from the FDEP, application of MSMA to turf grass in accordance with label directions at sites with a shallow groundwater table will likely result in arsenic contamination of groundwater, in some cases after the first application (FDEP 2002). MSMA has not been used on the Subject golf course since at least 2013 when it ceased operation. The golf course has been fallow since that time. Agricultural chemical storage and mixing and other maintenance activities such as fuel storage and vehicle repair were performed offsite. Based on this information, the primary source of detected arsenic in soil and groundwater beneath the Subject is from surficial application of MSMA. Detected concentrations of arsenic and other chemicals in collected soil and groundwater samples are consistent with label application of MSMA and other agricultural chemicals during operation of the property as a golf course or for agricultural purposes. No unusually high arsenic concentrations indicative of spillage or misapplication were detected in any

of the collected samples. Moreover, no citations for improper application of these materials was found in readily available regulatory agency files.

As part of a preliminary site assessment of the Subject, Edward G. Rahrig, P.G. LLC advanced twelve borings at the Subject on January 31 and February 2, 2017. Boring locations were advanced in areas most likely to contain elevated arsenic concentrations, such as tees, greens, and fairways. Arsenic was detected in 23 of 80 collected soil samples at a concentration greater than its SCTL, with a maximum detected concentration of 23 mg/kg. Arsenic was detected in groundwater samples collected from eight of the 12 borings at a concentration greater than its GCTL, with a maximum detected total arsenic concentration of 0.440 mg/l (dissolved arsenic concentration of 0.320 mg/l).

During a meeting on March 3, 2017 soil and groundwater results collected by others in 2014 and our 2017 preliminary sampling event were discussed with Broward County representatives. At that time it was determined quarterly groundwater monitoring would be necessary to demonstrate the detected groundwater contaminant plume beneath the Subject is “stable or shrinking”.

2.0 SCOPE OF WORK

Field activities documented herein as part of our quarterly monitoring program were conducted in accordance with FDEP standard operating procedures and industry accepted practices as presented in the DEP-SOP-001/01 FS 2200 Groundwater Sampling Protocol document. Analysis of the collected groundwater samples was performed by a Florida-certified environmental laboratory qualified to perform such analyses.

On April 3 to April 6, 2017 twenty shallow monitor wells (MW-1 through MW-20) were installed at predetermined, randomly selected locations at the Subject property. Monitor well locations are depicted on Figure 2. Prior to well installation, continuous soil cores were collected from the surface to the groundwater table at each well location using a *Geoprobe MacroCore* sampler and disposable acetate sleeves. After collection, the sleeves were cut open and the soil cores visually examined.

Site lithology observed in collected cores is comprised of sod overlying approximately six feet of light gray to tan fine quartz sand, which then grades to dark reddish brown to ocher fine quartz sand layer near the top of the observed groundwater table. No significant aquacludes such as clay layers were observed in collected cores. The dark reddish brown to ocher colored soil horizon is the source of the dark coloring and elevated turbidity readings observed in several collected groundwater grab samples. Soil boring logs are presented in Table 1 (Appendix A).

Groundwater monitor wells were installed by JAEE Environmental, Inc., a Florida-licensed water well contractor, using a *Geoprobe* direct push drill rig and *Geoprobe* pre-pack monitor well assemblies. The 1.5" diameter PVC wells included 10-foot pre-fabricated stainless steel prepack screen enclosing 6-20 silica sand and 0.010-slot PVC screen and variable lengths of solid PVC riser. Well screens were set at a depth of two feet above to eight feet below the observed water table. A typical well construction diagram is provided as Figure 3.

The ambient water table was observed to vary between 6 to 12 feet below grade at the time of monitor well installation. Changes in depth to the water table from well to well were mostly due to elevation changes commonly found on the golf course (e.g. bunkers, elevated tees, greens, and fairways). After installation, the wells were developed using a centrifugal pump and finished with concrete collar pads, lockable water-tight caps, and 5-inch diameter bolt-down water-tight manholes. Well Completion Reports provided by the drilling contractor are contained in Appendix B.

On March 2 and 3, 2018 groundwater samples were collected from the twenty monitor wells. At each location, the manhole cover and well cap were removed and depth to groundwater measured using a water level meter. A length of disposable HDPE tubing was lowered into the well, with the end of the tubing placed two feet below the top of the water table. The other end of the tubing was connected to a variable speed peristaltic pump which discharged to a flow cell containing a probe from a YSI Professional Series Pro Plus hand-held multi-parameter instrument.

Discharge from the flow cell was directed to a calibrated 5-gallon bucket for concurrent flow rate measurements. A constant flow rate was maintained during purging and sampling of each monitor well. The measured flow rate ranged from 0.15 to 0.25 gallons per minute. Purge volume for each well ranged from 1.5 to 5.0 gallons.

The following parameters were measured or reported at each monitor well:

- Time
- Volume (gallons)
- Cumulative volume (gallons)
- Purge rate (gallons per minute; kept constant at each well)
- Depth to water (feet)
- pH (standard units)
- Temperature (degrees Centigrade)
- Conductivity (uS/cm)
- Dissolved Oxygen (% saturation)
- Turbidity (NTUs; measured using a Hach 2100 turbidity instrument)

-
- Color (visual description), and
 - Odor (olfactory description).

After the measured parameters met FDEP Stabilization Criteria, groundwater samples were collected in laboratory supplied containers and stored on wet ice. In the event stabilization criteria could not be met due to high turbidity values, development of the well was terminated after pumping 4 to 5 gallons (around 5 well volumes) and samples collected as above. Samples were transported to the laboratory under a Chain-of-Custody for intake processing and analysis.

Groundwater samples were analyzed using EPA Method 6020B for total and dissolved arsenic. Groundwater analytical results for each monitor well are summarized on Figure 4 and in Table 2 (Appendix A). All laboratory analytical reports and completed Chain-of-Custody forms are contained in Appendix C.

Groundwater table elevation and gradient data were not determined during this monitoring event due to abrupt changes in surface elevation and the presence of numerous drainage features and stormwater lakes at the Subject. Moreover, the eastern portion of the Subject is located within the zone of influence of a municipal wellfield located east of the Subject, and there is another municipal wellfield northwest of the Subject. It is believed that elevation data collected at the Subject may not be representative of the regional groundwater flow direction. Local groundwater flow direction is likely influenced by the noted wellfields, elevation changes associated with golf course features, and irrigation patterns employed by the golf course.

3.0 ANALYTICAL RESULTS

Total and dissolved arsenic concentrations measured in collected groundwater samples are summarized on Figure 2 and in Table 2 (Appendix A). Arsenic was detected in 16 of 20 monitor wells at a concentration greater than its FDEP GCTL of 0.010 mg/l. Total arsenic concentrations detected in each well are depicted on Figure 4. Detected arsenic concentrations ranged from 0.0012 mg/l (MW-5) to a maximum concentration of 0.250 mg/l (MW-13).

Laboratory analytical and Chain-of-Custody forms are contained in Appendix C. Physical parameters and other relevant information collected during the sampling of each well were recorded on Groundwater Sampling Logs, which are contained in Appendix D.

4.0 CONCLUSIONS

Arsenic was detected in several collected groundwater samples at concentrations greater than its GCTL. Detected arsenic is likely from the historic use of arsenic-containing agricultural

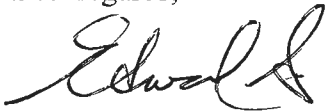
herbicides and fertilizers including MSMA. Comparison of arsenic groundwater analytical data collected at the Subject during the past year and to data collected by others in 2014 indicate arsenic concentrations are stable or decreasing. Consequently, the groundwater plume meets the “stable or shrinking” criteria. Detected stability or decreases in arsenic groundwater concentrations are attributed to the fact MSMA was no longer being applied at the property.

5.0 RECOMMENDATIONS

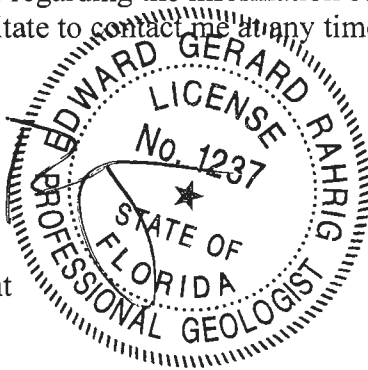
The fourth quarter of groundwater monitoring has been completed. Since the “stable or shrinking” criteria has been met, no additional groundwater monitoring is recommended at this time.

If you have any questions regarding the information contained in this quarterly monitoring report, please do not hesitate to contact me at any time.

Best regards,



Edward G. Rahrig, P.G.
Environmental Consultant



Attachments: Figures
Appendix A (Tables)
Appendix B (Well Completion Reports)
Appendix C (Laboratory Analytical reports and Chain-of-Custody Forms)
Appendix D (Groundwater Sampling Field Logs)

Cc: File

PROFESSIONAL CERTIFICATION

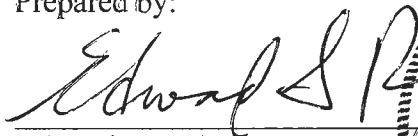
I, Edward G. Rahrig, P.G. #1237, certify that I currently hold an active license in the State of Florida and am competent through education and experience to provide the geologic service contained in this report and meet the requirements outlined below:

62-780.400 Professional Certifications

- (1) Applicable portions of technical documents submitted by the PRSR to the Department shall be signed and sealed by a professional engineer registered pursuant to Chapter 471, F.S., or a professional geologist registered pursuant to Chapter 492, F.S., certifying that the applicable portions of the technical document and associated work comply with standard professional practices, this chapter and other rules of the Department, and any other applicable laws and rules governing the profession. If a laboratory report is submitted separately from any other technical document submittal, this requirement shall not apply to that laboratory report.

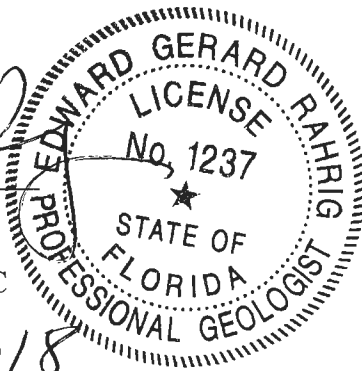
Moreover, I certify that Edward G. Rahrig, P.G., LLC is a single-member Limited Liability Corporation and is not required to hold an active certificate of authorization to provide geological services.

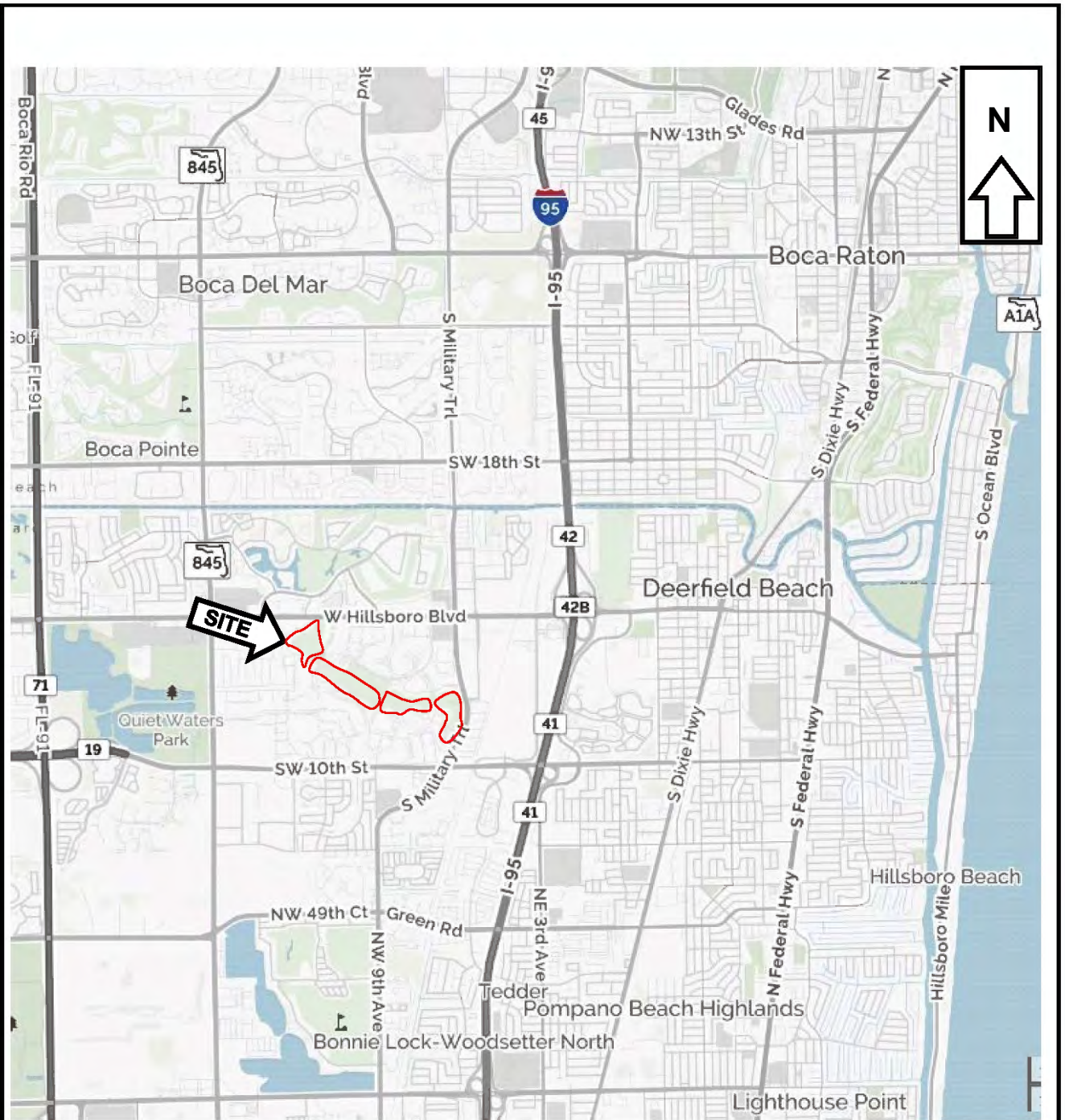
Prepared by:



Edward G. Rahrig, P.G.
Managing Member
Edward G. Rahrig, P.G., LLC

Date: March 7, 2018



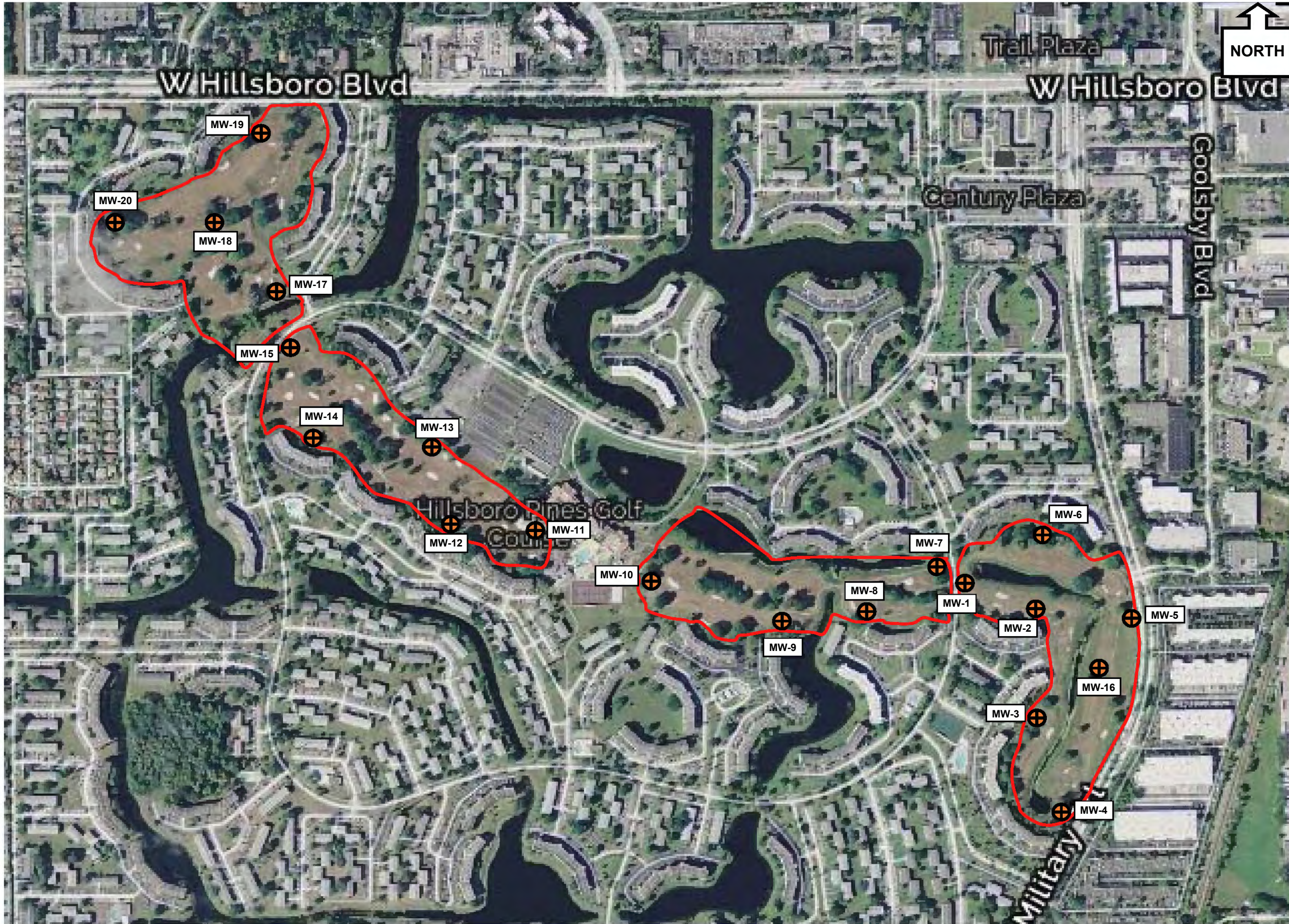


EDWARD G. RAHRIG, P.G., LLC
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 Tel: (561) 738-4667 Fax: (888) 848-0816



Fourth Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Site Location Map Not to Scale	Drawn By	Date:	March 7, 2018	Figure No.:
	ER	Job No.:	62102.01	




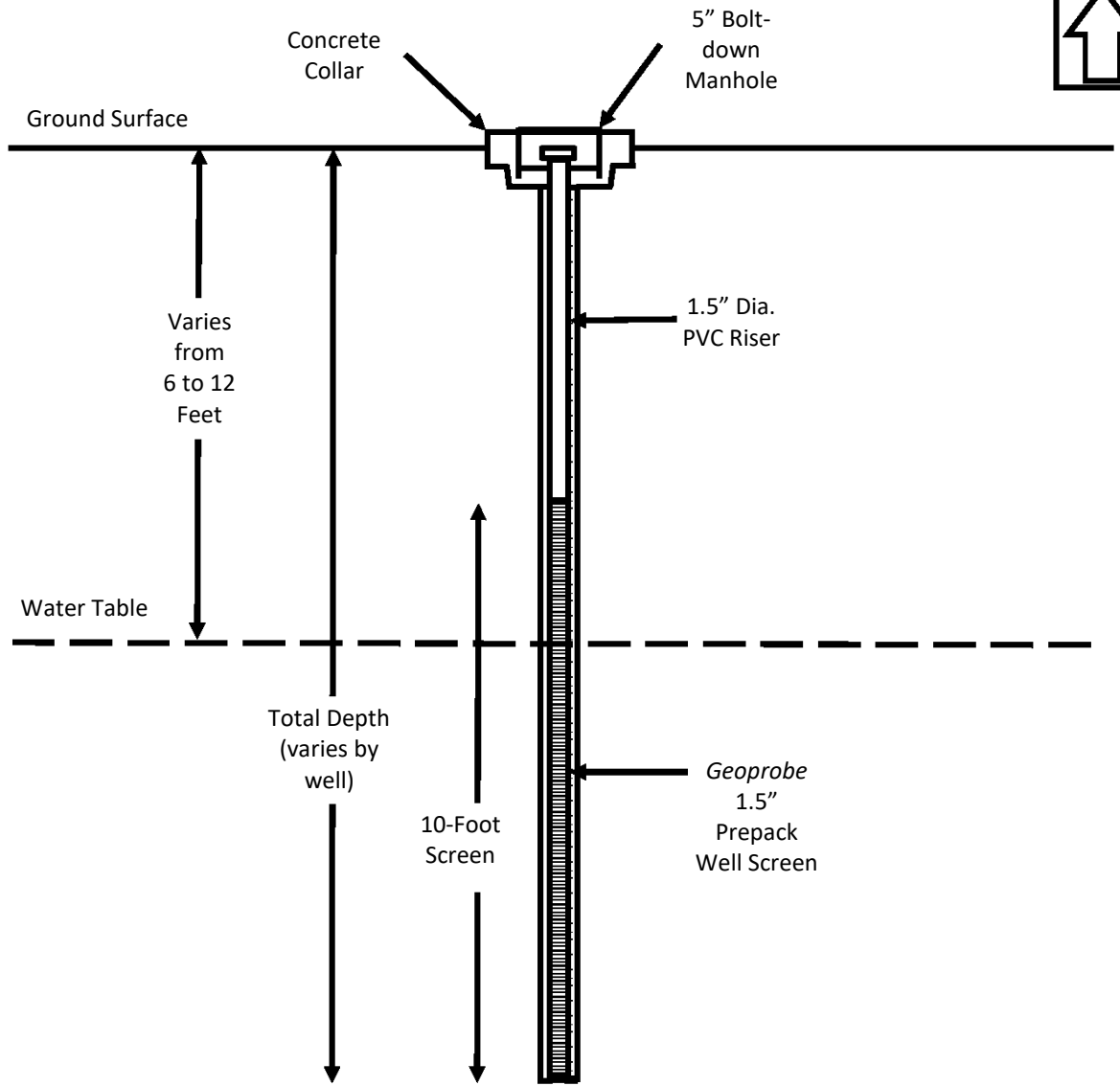
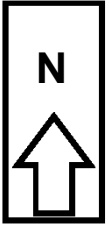
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Fourth Quarterly Monitoring Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Monitor Well Location Map	Drawn By	ER
	Date:	March 7, 2018
Job No.:		62102.01
Figure No.:		2

LEGEND

 Monitor Well Location

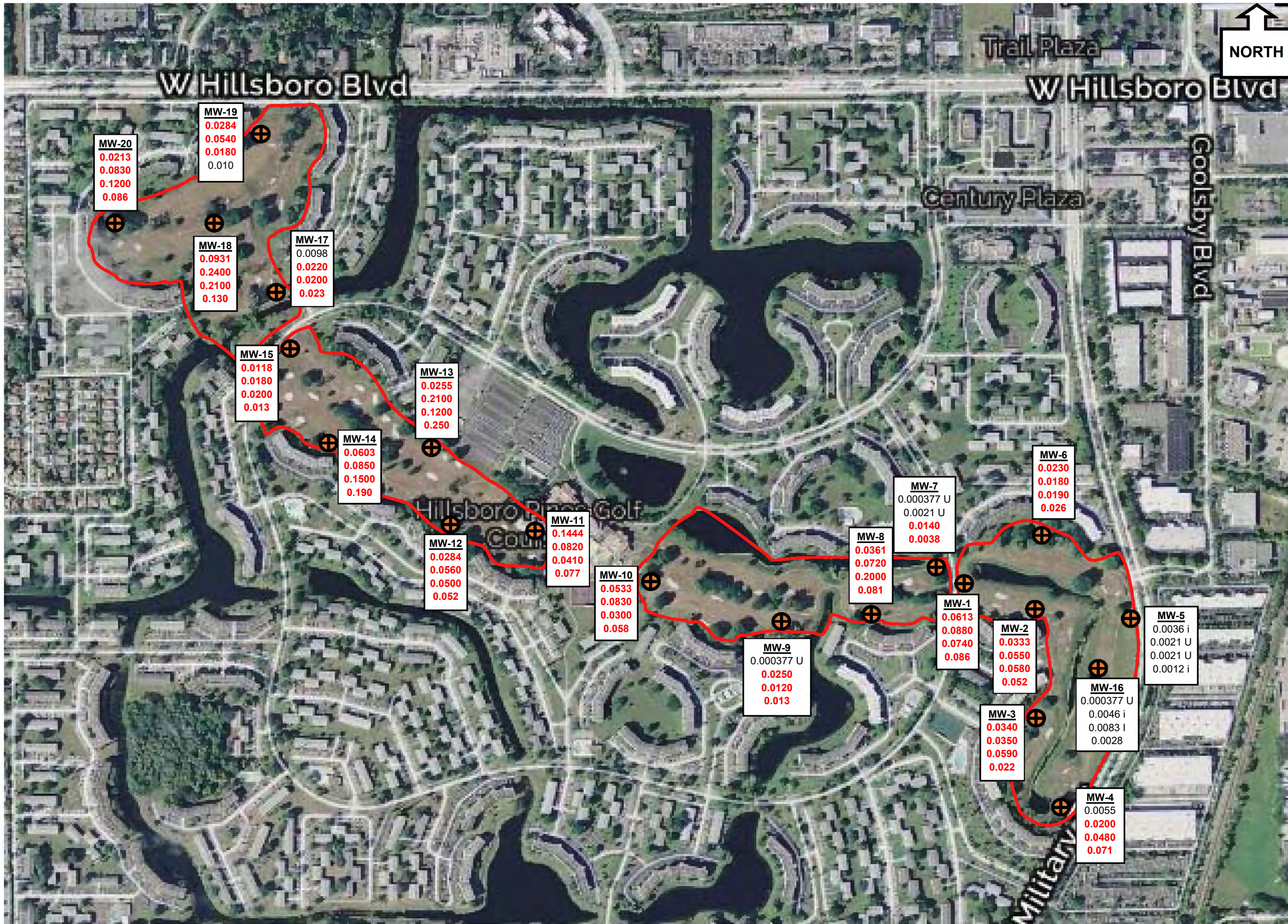


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 Port St. Lucie, FL 34953-2905
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Fourth Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Monitor Well Construction Diagram Not to Scale	Drawn By	Date:	March 7, 2018	Figure No.:
	ER	Job No.:	62102.01	



Quarterly Monitoring Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida



EDWARD G. RAHRIG, P.G. LLC
 1086 Southwest Sultan Drive
 Port St. Lucie, Florida 34953
 Tel: (561) 738-4667 Fax: (888) 848-0816

Groundwater Analytical Summary	Drawn By	ER
	Date:	March 7, 2018
Job No.:		62102.01
Figure No.:		4

LEGEND

- ⊕ Monitor Well Location
- Results in milligrams per liter (mg/l)
- **Red** denotes arsenic detected above the GW standard

Well ID
1st Quarter
2nd Quarter
3rd Quarter
4th Quarter



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
- Northwest
- St. Johns River
- South Florida
- Suwannee River
- DEP
- Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-281WP *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 5 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID _____

6. 2800 Century Blvd, Deerfield Beach

*Well Location - Address, Road Name or Number, City, ZIP

7.*County Broward *Section 2 Land Grant _____ *Township 48 *Range 42

8. Latitude _____ Longitude _____

9. Data Obtained From: _____ GPS _____ Map _____ Survey _____ Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: Construction _____ Repair _____ Modification _____ Abandonment

11.*Specify Intended Use(s) of Well(s):

- | | | | |
|---|---|---|--|
| <input type="checkbox"/> Domestic | <input type="checkbox"/> Landscape Irrigation | <input type="checkbox"/> Agricultural Irrigation | <input type="checkbox"/> Site Investigation |
| <input type="checkbox"/> Bottled Water Supply | <input type="checkbox"/> Recreation Area Irrigation | <input type="checkbox"/> Livestock | <input checked="" type="checkbox"/> Monitoring |
| <input type="checkbox"/> Public Water Supply (Limited Use/DOH) | <input type="checkbox"/> Commercial/Industrial | <input type="checkbox"/> Nursery Irrigation | <input type="checkbox"/> Test |
| <input type="checkbox"/> Public Water Supply (Community or Non-Community/DEP) | <input type="checkbox"/> Golf Course Irrigation | <input type="checkbox"/> Earth-Coupled Geothermal | <input type="checkbox"/> HVAC Supply |
| <input type="checkbox"/> Class I Injection | | <input type="checkbox"/> HVAC Return | |
- Class V Injection: _____ Recharge _____ Commercial/Industrial Disposal _____ Aquifer Storage and Recovery _____ Drainage
- Remediation: _____ Recovery _____ Air Sparge _____ Other (Describe) _____
- Other (Describe) _____

12.*Drill Method: Auger _____ Cable Tool _____ Rotary _____ Combination (Two or More Methods) _____ Jetted _____ Sonic _____
Horizontal Drilling _____ Hydraulic Point (Direct Push) _____ Other _____

13.*Measured Static Water Level _____ ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: _____ Yes _____ No

15.*Casing Material: _____ Black Steel _____ Galvanized PVC _____ Stainless Steel _____ Not Cased _____ Other _____

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From _____ To _____ ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: _____ Other (Explain) _____

From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

18.*Surface Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

19.*Primary Casing Diameter and Depth:

Dia <u>2</u> in. From <u>0</u> ft. To <u>5</u> ft. No. of Bags <u>1</u>	Seal Material (Check One):	<input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

20.*Liner Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

21.*Telescope Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

22. Pump Type (If Known):
 Centrifugal Jet Submersible Turbine
 Horsepower _____ Pump Capacity (GPM) _____
 Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
 Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
 Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name Erim Fromm *License Number 11313 E-mail Address Jaee@bellsouth.net

*Contractor's Signature _____ *Driller's Name (Print or Type) w smitherman
(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
 PHONE: (352) 796-7211 or (800) 423-1476
 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 4049 REID STREET, PALATKA, FL 32178-1429
 PHONE: (386) 329-4500
 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
 (U.S. Highway 90, 10 miles west of Tallahassee)
 PHONE: (850) 539-5999
 WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 P.O. BOX 24680
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FL 33416-4680
 PHONE: (561) 686-8800
 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
 9225 CR 49
 LIVE OAK, FL 32060
 PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
 WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color	tan	Grain Size (F, M, C)	m.f	Material	sands
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	

Comments:





STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable)

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-282WP *CUP/WUP Number *DID Number 62-524 Delineation No.
2.*Number of permitted wells constructed, repaired, or abandoned 5 *Number of permitted wells not constructed, repaired, or abandoned 0
3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID
6. 799 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP
7.*County Broward *Section 2 Land Grant *Township 46 *Range 42
8. Latitude Longitude
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification Abandonment
11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock Monitoring
Public Water Supply (Limited Use/DOH) Nursery Irrigation Test
Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
Class I Injection Golf Course Irrigation HVAC Supply
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13.*Measured Static Water Level 2 ft. Measured Pumping Water Level ft. After Hours at GPM
14.*Measuring Point (Describe) Which is ft. Above Below Land Surface *Flowing: Yes No
15.*Casing Material: Black Steel Galvanized PVC Stainless Steel Not Cased Other
16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: Other (Explain)
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

18.*Surface Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

19.*Primary Casing Diameter and Depth:
Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

20.*Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

21.*Telescope Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft.
23. Chemical Analysis (When Required):
Iron ppm Sulfate ppm Chloride ppm
Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name Erin Fromm *License Number 11313 E-mail Address Jae@bellsouth.net
*Contractor's Signature *Driller's Name (Print or Type) w smitherman
(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
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152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color	TAN	Grain Size (F, M, C)	M/F	Material	SAND
From	ft.	To	ft.	Color	TAN	Grain Size (F, M, C)	M/F	Material	SAND
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	

Comments:





STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable)

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-280WP *CUP/WUP Number *DID Number 62-524 Delineation No.
2.*Number of permitted wells constructed, repaired, or abandoned 4 *Number of permitted wells not constructed, repaired, or abandoned 0
3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID

6. 451 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Broward *Section 2 Land Grant *Township 46 *Range 42

8. Latitude Longitude
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification Abandonment
11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock Monitoring
Public Water Supply (Limited Use/DOH) Nursery Irrigation Test
Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
Class I Injection Golf Course Irrigation HVAC Supply
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other

13.*Measured Static Water Level 2 ft. Measured Pumping Water Level ft. After Hours at GPM

14.*Measuring Point (Describe) Which is ft. Above Below Land Surface *Flowing: Yes No

15.*Casing Material: Black Steel Galvanized PVC Stainless Steel Not Cased Other

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: Other (Explain)
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

18.*Surface Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

19.*Primary Casing Diameter and Depth:
Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement Bentonite Other

20.*Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

21.*Telescope Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft.
23. Chemical Analysis (When Required):
Iron ppm Sulfate ppm Chloride ppm
Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name Erin Fromm *License Number 11313 E-mail Address Jae@bellsouth.net
*Contractor's Signature *Driller's Name (Print or Type) w smitherman

(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
 PHONE: (352) 796-7211 or (800) 423-1476
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ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
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 (U.S. Highway 90, 10 miles west of Tallahassee)
 PHONE: (850) 539-5999
 WWW.NWFWMD.STATE.FL.US

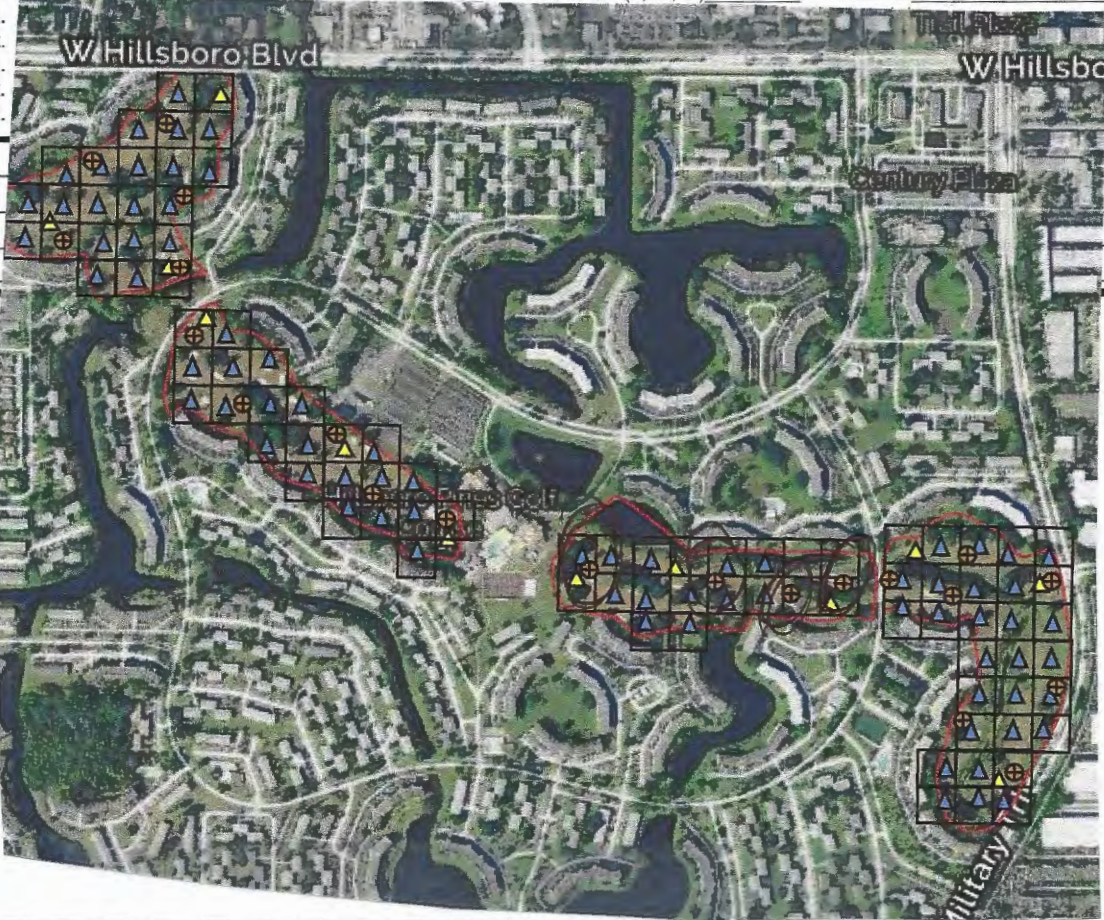
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 P.O. BOX 24680
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FL 33416-4680
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 9225 CR 49
 LIVE OAK, FL 32060
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***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color	TAN	Grain Size (F, M, C)	M/F	Material	SAND
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	

Comments: _____





STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

Official Use Only

- Southwest
 - Northwest
 - St. Johns River
 - South Florida
 - Suwannee River
 - DEP
 - Delegated Authority (If Applicable) _____
- PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

1.*Permit Number 6-17-279WP *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 7 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID _____

6. 450 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Broward *Section 2 Land Grant _____ *Township 46 *Range 42

8. Latitude _____ Longitude _____

9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification Abandonment

11.*Specify Intended Use(s) of Well(s):

<input type="checkbox"/> Domestic	<input type="checkbox"/> Landscape Irrigation	<input type="checkbox"/> Agricultural Irrigation	<input type="checkbox"/> Site Investigation
<input type="checkbox"/> Bottled Water Supply	<input type="checkbox"/> Recreation Area Irrigation	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Public Water Supply (Limited Use/DOH)	<input type="checkbox"/> Commercial/Industrial	<input type="checkbox"/> Nursery Irrigation	<input type="checkbox"/> Test
<input type="checkbox"/> Public Water Supply (Community or Non-Community/DEP)	<input type="checkbox"/> Golf Course Irrigation	<input type="checkbox"/> Earth-Coupled Geothermal	<input type="checkbox"/> HVAC Supply
<input type="checkbox"/> Class I Injection		<input type="checkbox"/> HVAC Return	

Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage

Remediation: Recovery Air Sparge Other (Describe) _____

Other (Describe) _____

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
 Horizontal Drilling Hydraulic Point (Direct Push) Other _____

13.*Measured Static Water Level 2 ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: Yes No

15.*Casing Material: Black Steel Galvanized PVC Stainless Steel Not Cased Other _____

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: Other (Explain) _____

From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

18.*Surface Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

19.*Primary Casing Diameter and Depth:

Dia <u>2</u> in. From <u>0</u> ft. To <u>5</u> ft. No. of Bags <u>1</u>	Seal Material (Check One):	<input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

20.*Liner Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

21.*Telescope Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine

Horsepower _____ Pump Capacity (GPM) _____

Pump Depth _____ ft. Intake Depth _____ ft.

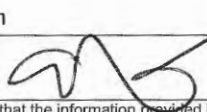
23. Chemical Analysis (When Required):

Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm

Laboratory Test _____ Field Test Kit

24. Water Well Contractor:

*Contractor Name Erin Fromm *License Number 11313 E-mail Address Jae@bellsouth.net

*Contractor's Signature  *Driller's Name (Print or Type) w smitherman

(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

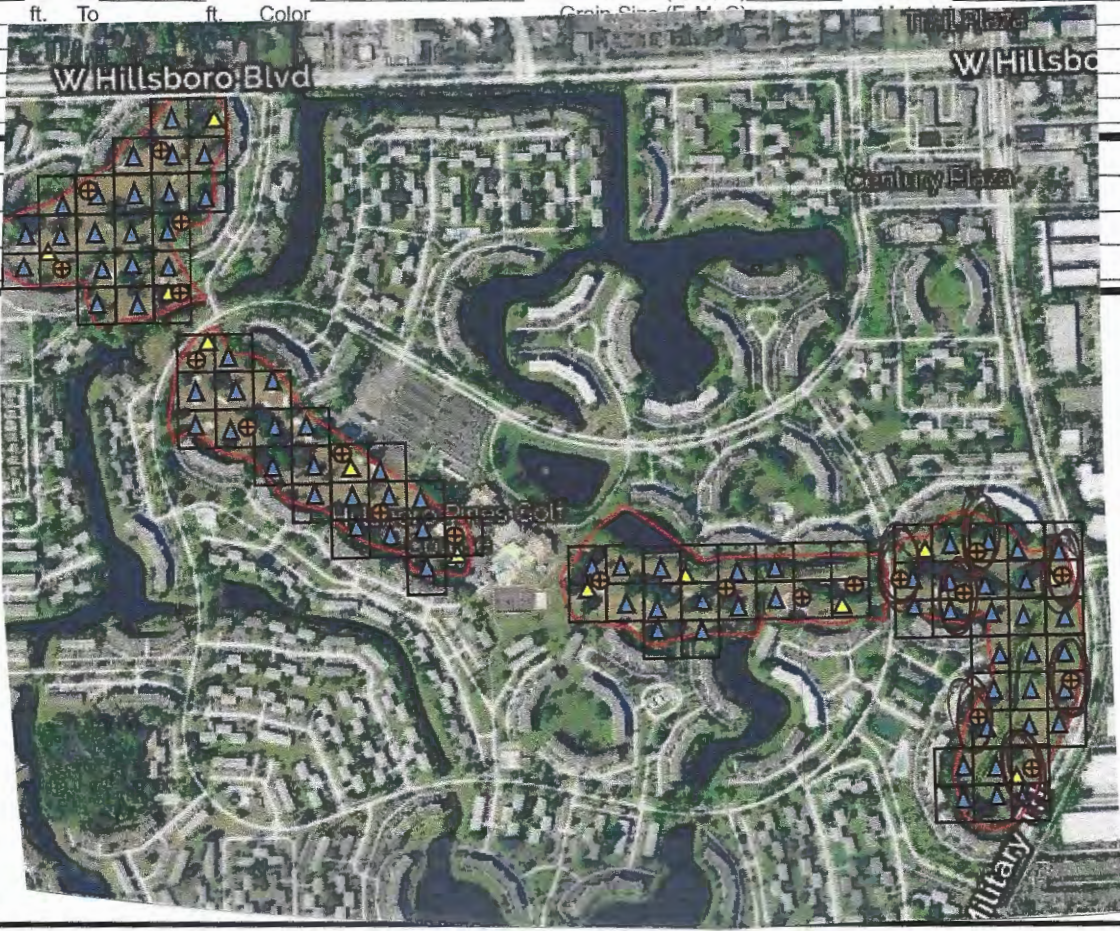
SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color	TAN	Grain Size (F, M, C)	M/F	Material	SAND
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	
From		ft.	To	ft.	Color			Material	

Comments:





Jupiter Environmental Laboratories, Inc.
 150 S. Old Dixie Highway
 Jupiter, FL 33458
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 www.jupiterlabs.com
 clientservices@jupiterlabs.com

March 6, 2018

Edward Rahrig
 Edward Rahrig
 632 SW Aster Rd
 Port Saint Lucie, FL 34953

RE: LOG# 1855661
 Project ID: Century Village 62102.01
 COC# 1855661

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, March 02, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Lourido for
 Kacia Baldwin
 V.P. of Operations

FDOH# E86546
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SAMPLE ANALYTE COUNT

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID	Sample ID	Method	Analytes Reported
1855661001	MW-1	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661002	MW-2	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661003	MW-3	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661004	MW-4	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661005	MW-16	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661006	MW-5	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661007	MW-6	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661008	MW-7	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661009	MW-8	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661010	MW-9	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855661011	MW-10	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1

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SAMPLE SUMMARY

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1855661001	MW-1	Aqueous Liquid	3/2/2018 08:52	3/2/2018 15:15
1855661002	MW-2	Aqueous Liquid	3/2/2018 09:21	3/2/2018 15:15
1855661003	MW-3	Aqueous Liquid	3/2/2018 09:45	3/2/2018 15:15
1855661004	MW-4	Aqueous Liquid	3/2/2018 10:15	3/2/2018 15:15
1855661005	MW-16	Aqueous Liquid	3/2/2018 10:43	3/2/2018 15:15
1855661006	MW-5	Aqueous Liquid	3/2/2018 11:12	3/2/2018 15:15
1855661007	MW-6	Aqueous Liquid	3/2/2018 11:35	3/2/2018 15:15
1855661008	MW-7	Aqueous Liquid	3/2/2018 11:58	3/2/2018 15:15
1855661009	MW-8	Aqueous Liquid	3/2/2018 12:27	3/2/2018 15:15
1855661010	MW-9	Aqueous Liquid	3/2/2018 12:54	3/2/2018 15:15
1855661011	MW-10	Aqueous Liquid	3/2/2018 13:23	3/2/2018 15:15

FDOH# E86546

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ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661001** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 3/2/2018 08:52

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	86	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:23	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	80	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:14	ZS	

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661002** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 3/2/2018 09:21

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	52	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:28	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	47	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:19	ZS	

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ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661003** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 3/2/2018 09:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod.							
			Analytical Method: EPA 200.8 (Total)							
Arsenic	22	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:32	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)			Preparation Method: EPA 200.2 mod.							
			Analytical Method: EPA 200.8 (Dissolved)							
Arsenic	21	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:23	ZS	

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661004** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-4** Date Collected: 3/2/2018 10:15

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Total)				
Arsenic	71	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:37	ZS
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Dissolved)				
Arsenic	59	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:28	ZS

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661005** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-16** Date Collected: 3/2/2018 10:43

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-------------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod.						
			Analytical Method: EPA 200.8 (Total)						
Arsenic	2.8	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:42	ZS

Analysis Desc: EPA 200.8 Dissolved Metals (W)			Preparation Method: EPA 200.2 mod.						
			Analytical Method: EPA 200.8 (Dissolved)						
Arsenic	2.3	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:33	ZS

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661006** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-5** Date Collected: 3/2/2018 11:12

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Total)				
Arsenic	1.2i	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:47	ZS
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Dissolved)				
Arsenic	1.4i	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:38	ZS

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661007** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-6** Date Collected: 3/2/2018 11:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	26	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:51	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	24	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:42	ZS	

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661008** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-7** Date Collected: 3/2/2018 11:58

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	3.8	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 13:56	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	3.7	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:47	ZS	

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661009** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-8** Date Collected: 3/2/2018 12:27

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Total)				
Arsenic	81	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:01	ZS
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Dissolved)				
Arsenic	77	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:52	ZS

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661010** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-9** Date Collected: 3/2/2018 12:54

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	13	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:06	ZS	
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	12	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 16:57	ZS	

ANALYTICAL RESULTS

Workorder: 1855661

Project ID: Century Village 62102.01

Lab ID: **1855661011** Date Received: 3/2/2018 15:15 Matrix: Aqueous Liquid
Sample ID: **MW-10** Date Collected: 3/2/2018 13:23

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	58	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:39	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	55	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:30	ZS	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1855661

Project ID: Century Village 62102.01

PARAMETER QUALIFIERS

PROJECT COMMENTS

1855661

A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

FDOH# E86546

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QUALITY CONTROL DATA

Workorder: 1855661

Project ID: Century Village 62102.01

QC Batch:	MXX/9478	Analysis Method:		EPA 200.8 (Total)		
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1855661001	1855661002	1855661003	1855661004	1855661005	1855661006
	1855661007	1855661008	1855661009	1855661010	1855661011	1855666001
	1855666002	1855666003	1855666004	1855666005	1855666006	1855666007
	1855666008	1855666009				

METHOD BLANK: 136649

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 136650 136651

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	50	50	101	101	85-115	0	20	

MATRIX SPIKE SAMPLE: 136653 Original: 1855661010

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	13	50	61	96.6	70-130	

MATRIX SPIKE SAMPLE: 136655 Original: 1855666009

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	86	50	140	102	70-130	

SAMPLE DUPLICATE: 136652 Original: 1855661010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	13	13	0	20	

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QUALITY CONTROL DATA

Workorder: 1855661

Project ID: Century Village 62102.01

SAMPLE DUPLICATE: 136654

Original: 1855666009

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	86	85	1.17	20	

FDOH# E86546

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QUALITY CONTROL DATA

Workorder: 1855661

Project ID: Century Village 62102.01

QC Batch:	MXX/9479	Analysis Method:		EPA 200.8 (Dissolved)		
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1855661001	1855661002	1855661003	1855661004	1855661005	1855661006
	1855661007	1855661008	1855661009	1855661010	1855661011	1855666001
	1855666002	1855666003	1855666004	1855666005	1855666006	1855666007
	1855666008	1855666009				

METHOD BLANK: 136659

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 136660 136661

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	48	49	95.5	97.1	85-115	2.06	20	

MATRIX SPIKE SAMPLE: 136663 Original: 1855661010

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	12	50	61	98.1	70-130	

MATRIX SPIKE SAMPLE: 136665 Original: 1855666009

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	84	50	130	94.1	70-130	

SAMPLE DUPLICATE: 136662 Original: 1855661010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	12	12	0	20	

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QUALITY CONTROL DATA

Workorder: 1855661

Project ID: Century Village 62102.01

SAMPLE DUPLICATE: 136664

Original: 1855666009

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	84	82	2.41	20	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1855661

Project ID: Century Village 62102.01

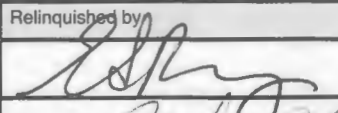
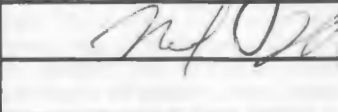
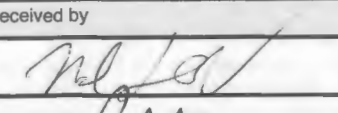
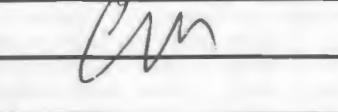
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1855661001	MW-1	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661002	MW-2	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661003	MW-3	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661004	MW-4	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661005	MW-16	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661006	MW-5	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661007	MW-6	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661008	MW-7	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661009	MW-8	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661010	MW-9	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661011	MW-10	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855661001	MW-1	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661002	MW-2	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661003	MW-3	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661004	MW-4	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661005	MW-16	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661006	MW-5	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661007	MW-6	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661008	MW-7	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661009	MW-8	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661010	MW-9	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855661011	MW-10	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484

FDOH# E86546

CERTIFICATE OF ANALYSIS

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Company Name <u>Edward G. Rahrig P.C. LLC</u>						LAB ANALYSIS										Requested Turnaround Time					
Address <u>1086 SW Sultan Dr</u>						Parameters	TOTAL ARSENIC BI	DISSOLVED ARSENIC I											Field Filtered (Y/N)	Note: Rush requests subject to acceptance by the laboratory	
City <u>Port St Lucie</u> State <u>FL</u> Zip <u>34953</u>																				<input checked="" type="checkbox"/> Standard	
Sampling Site Address <u>2400 Century Blvd DFB</u>																				<input type="checkbox"/> Expedited	
Attn: <u>Ed Rahrig</u> Email _____																				Due <u> </u> / <u> </u> / <u> </u>	
Project Name <u>Century Village</u> Project # <u>6210201</u>																				Comments	
Sampler Name/Signature <u>x Ed Rahrig</u>																					
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont																
1	MW-1	3/2	0852	6W	2																
2	MW-2	3/2	0921	6W	2																
3	MW-3	3/2	0945	6W	2																
4	MW-4	3/2	1015	6W	2																
5	MW-16	3/2	1043	6W	2																
6	MW-5	3/2	1112	6W	2																
7	MW-6	3/2	1135	6W	2																
8	MW-7	3/2	1158	6W	2																
9	MW-8	3/2	1227	6W	2																
10	MW-9	3/2	1254	6W	2																
Matrix Codes*				Pres Codes		Relinquished by		Date	Time	Received by		Date	Time								
S Soil/Solid Sediment	SW Surface Water	A- none	I- Ice	 		3/2/18	1455	 		3/2/18	1455										
GW Ground Water	SL Sludge	B- HNO ₃	O- Other			3/2/18	1515			3/2/18	1515										
WW Waste Water	O Other (Please Specify)	C- H ₂ SO ₄	M- MeOH																		
DW Drinking Water		D- NaOH	N- Na ₂ S ₂ O ₃																		
		E- HCl	Z- ZnAc																		
QA/QC level with report None <u> </u> 1 <u> </u> 2 <u> </u> 3 <u> </u> See price guide for applicable fees																					
FDEP Dry Cleaning <input type="checkbox"/> FDEP UST Pre-Approval <input type="checkbox"/>				Temp Control:																	
SFWMD <input type="checkbox"/> ADaPT <input type="checkbox"/> DOT <input type="checkbox"/>				<u>2.9</u> °C																	

Company Name <u>Edward G. Parrig, P.C. LLC</u>						LAB ANALYSIS										Requested Turnaround Time Note: Rush requests subject to acceptance by the laboratory <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited Due <u> </u> / <u> </u> / <u> </u> Comments	
Address <u>1086 SW Sultan Dr</u>						Parameters <u>TOTAL ARSENIC III</u> <u>DISSOLVED ARSENIC II</u>	Field Filtered (Y/N)										
City <u>Port St Lucie</u> State <u>FL</u> Zip <u>34953</u>																	
Sampling Site Address <u>2400 CENTURY BLVD DFB</u>																	
Attn: <u>ED PARRIG</u> Email _____																	
Project Name <u>CENTURY VILLAGE</u> Project # <u>02102.01</u>																	
Sampler Name/Signature <u>X Ed Parrig</u>																	
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont												
1	MW-10	3/2	1323	SW	2	✓ ✓											
2	X																
3																	
4																	
5																	
6																	
7																	
8																	
9																	
0																	
Matrix Codes*				Pres Codes		Relinquished by	Date	Time	Received by	Date	Time						
S	Soil/Solid Sediment	SW	Surface Water	A-	none	[Signature]	3/2/18	1455	[Signature]	3/2/18	1455						
GW	Ground Water	SL	Sludge	B-	HNO ₃							O-	Other				
WW	Waste Water	O	Other (Please Specify)	C-	H ₂ SO ₄		M-	MeOH	[Signature]	3/2/18	1515						
DW	Drinking Water			D-	NaOH		N-	Na ₂ S ₂ O ₃									
				E-	HCl		Z-	ZnAc									
QA/QC level with report None <u> </u> 1 <u> </u> 2 <u> </u> 3 <u> </u> See price guide for applicable fees																	
FDEP Dry Cleaning <input type="checkbox"/> FDEP UST Pre-Approval <input type="checkbox"/> SFWMD <input type="checkbox"/> ADaPT <input type="checkbox"/> DOT <input type="checkbox"/>				Temp Control: <u>2.9</u> °C													

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG: 1855661	Req: 1464
Client: Edward Rahri	Project: EDWARD RAHRI
Level: 1	Date Rec'd: 3/2/2018 3:15:00 PM
Rec'd via: courier	

Cooler Check

ID	Temp	# of samples	Security Tape		Method of Receipt	Comments
			Present	Intact		
	2.9	11	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: CF

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	Yes	Written on Internal COC?	No
pH Strip Lot #	HC730269	Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #	15127	Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)		COC Comments written on COC?	No
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
-----------	-----	----------	----------



Jupiter Environmental Laboratories, Inc.
 150 S. Old Dixie Highway
 Jupiter, FL 33458
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 www.jupiterlabs.com
 clientservices@jupiterlabs.com

March 6, 2018

Edward Rahrig
 Edward Rahrig
 632 SW Aster Rd
 Port Saint Lucie, FL 34953

RE: LOG# 1855666
 Project ID: Century Village 62102.01
 COC# 1855666

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Saturday, March 03, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Lourido for
 Kacia Baldwin
 V.P. of Operations

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SAMPLE ANALYTE COUNT

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID	Sample ID	Method	Analytes Reported
1855666001	MW-11	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666002	MW-12	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666003	MW-13	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666004	MW-14	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666005	MW-15	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666006	MW-17	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666007	MW-18	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666008	MW-19	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
1855666009	MW-20	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1

SAMPLE SUMMARY

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1855666001	MW-11	Aqueous Liquid	3/3/2018 09:11	3/3/2018 17:30
1855666002	MW-12	Aqueous Liquid	3/3/2018 09:40	3/3/2018 17:30
1855666003	MW-13	Aqueous Liquid	3/3/2018 10:04	3/3/2018 17:30
1855666004	MW-14	Aqueous Liquid	3/3/2018 10:47	3/3/2018 17:30
1855666005	MW-15	Aqueous Liquid	3/3/2018 11:21	3/3/2018 17:30
1855666006	MW-17	Aqueous Liquid	3/3/2018 11:43	3/3/2018 17:30
1855666007	MW-18	Aqueous Liquid	3/3/2018 12:10	3/3/2018 17:30
1855666008	MW-19	Aqueous Liquid	3/3/2018 12:33	3/3/2018 17:30
1855666009	MW-20	Aqueous Liquid	3/3/2018 13:10	3/3/2018 17:30

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ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666001** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-11** Date Collected: 3/3/2018 09:11

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Total)				
Arsenic	77	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:44	ZS
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Dissolved)				
Arsenic	76	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:34	ZS

ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666002** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-12** Date Collected: 3/3/2018 09:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	52	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:48	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	52	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:39	ZS	

FDOH# E86546
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ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666003** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-13** Date Collected: 3/3/2018 10:04

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-------------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod.						
			Analytical Method: EPA 200.8 (Total)						
Arsenic	250	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:53	ZS

Analysis Desc: EPA 200.8 Dissolved Metals (W)			Preparation Method: EPA 200.2 mod.						
			Analytical Method: EPA 200.8 (Dissolved)						
Arsenic	250	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:44	ZS

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ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666004** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-14** Date Collected: 3/3/2018 10:47

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	190	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 14:58	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	190	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:49	ZS	

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ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666005** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-15** Date Collected: 3/3/2018 11:21

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Total)				
Arsenic	13	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 15:03	ZS
Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.				
					Analytical Method: EPA 200.8 (Dissolved)				
Arsenic	14	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:53	ZS

ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666006** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-17** Date Collected: 3/3/2018 11:43

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	23	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 15:07	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	23	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 17:58	ZS	

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ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666007** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-18** Date Collected: 3/3/2018 12:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod.							
			Analytical Method: EPA 200.8 (Total)							
Arsenic	130	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 15:12	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)			Preparation Method: EPA 200.2 mod.							
			Analytical Method: EPA 200.8 (Dissolved)							
Arsenic	110	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 18:03	ZS	

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ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666008** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-19** Date Collected: 3/3/2018 12:33

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	----	----------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	10	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 15:17	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	10	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 18:08	ZS	

ANALYTICAL RESULTS

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID: **1855666009** Date Received: 3/3/2018 17:30 Matrix: Aqueous Liquid
Sample ID: **MW-20** Date Collected: 3/3/2018 13:10

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-------------	----	----------	----	------

Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod.						
			Analytical Method: EPA 200.8 (Total)						
Arsenic	86	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 15:22	ZS

Analysis Desc: EPA 200.8 Dissolved Metals (W)			Preparation Method: EPA 200.2 mod.						
			Analytical Method: EPA 200.8 (Dissolved)						
Arsenic	84	ug/L	2.0	0.65	4	3/5/2018 08:49	ZS	3/5/2018 18:12	ZS

ANALYTICAL RESULTS QUALIFIERS

Workorder: 1855666

Project ID: Century Village 62102.01

PARAMETER QUALIFIERS

PROJECT COMMENTS

1855666

A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

FDOH# E86546

CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA

Workorder: 1855666

Project ID: Century Village 62102.01

QC Batch:	MXX/9478	Analysis Method:		EPA 200.8 (Total)		
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1855666001	1855666002	1855666003	1855666004	1855666005	1855666006
	1855666007	1855666008	1855666009			

METHOD BLANK: 136649

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 136650 136651

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	50	50	101	101	85-115	0	20	

MATRIX SPIKE SAMPLE: 136653 Original: 1855661010

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	13	50	61	96.6	70-130	

MATRIX SPIKE SAMPLE: 136655 Original: 1855666009

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	86	50	140	102	70-130	

SAMPLE DUPLICATE: 136652 Original: 1855661010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	13	13	0	20	

FDOH# E86546
CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA

Workorder: 1855666

Project ID: Century Village 62102.01

SAMPLE DUPLICATE: 136654

Original: 1855666009

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	86	85	1.17	20	

FDOH# E86546

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QUALITY CONTROL DATA

Workorder: 1855666

Project ID: Century Village 62102.01

QC Batch:	MXX/9479	Analysis Method:		EPA 200.8 (Dissolved)		
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1855666001	1855666002	1855666003	1855666004	1855666005	1855666006
	1855666007	1855666008	1855666009			

METHOD BLANK: 136659

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 136660 136661

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	48	49	95.5	97.1	85-115	2.06	20	

MATRIX SPIKE SAMPLE: 136663 Original: 1855661010

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	12	50	61	98.1	70-130	

MATRIX SPIKE SAMPLE: 136665 Original: 1855666009

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	84	50	130	94.1	70-130	

SAMPLE DUPLICATE: 136662 Original: 1855661010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	12	12	0	20	

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QUALITY CONTROL DATA

Workorder: 1855666

Project ID: Century Village 62102.01

SAMPLE DUPLICATE: 136664

Original: 1855666009

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	84	82	2.41	20	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1855666

Project ID: Century Village 62102.01

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1855666001	MW-11	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666002	MW-12	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666003	MW-13	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666004	MW-14	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666005	MW-15	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666006	MW-17	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666007	MW-18	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666008	MW-19	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666009	MW-20	EPA 200.2 mod.	MXX/9478	EPA 200.8 (Total)	MMS/8483
1855666001	MW-11	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666002	MW-12	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666003	MW-13	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666004	MW-14	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666005	MW-15	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666006	MW-17	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666007	MW-18	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666008	MW-19	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484
1855666009	MW-20	EPA 200.2 mod.	MXX/9479	EPA 200.8 (Dissolved)	MMS/8484

FDOH# E86546
CERTIFICATE OF ANALYSIS

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Company Name <u>Edward L. Rahrig, P.L.L.C</u>						LAB ANALYSIS										Requested Turnaround Time								
Address <u>1086 SW Sultan Dr</u>						Pres Codes	Parameters	Field Filtered (Y/N)											Note: Rush requests subject to acceptance by the laboratory					
City <u>Port St Lucie</u> State <u>FL</u> Zip <u>34953</u>																			<input checked="" type="checkbox"/> Standard					
Sampling Site Address <u>2400 Century Blvd, DFB</u>																			<input type="checkbox"/> Expedited					
Attn: <u>Edward Rahrig</u> Email _____																			Due <u> </u> / <u> </u> / <u> </u>					
Project Name <u>Century Village</u> Project # <u>62102.01</u>																			Comments					
Sampler Name/Signature <u>E. Rahrig</u>																								
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont																			
1	MW-11	3/3/18	0911	GW	2	✓	✓																	
2	MW-12	3/3/18	0940	GW	2	✓	✓																	
3	MW-13	3/3/18	1004	GW	2	✓	✓																	
4	MW-14	3/3/18	1047	GW	2	✓	✓																	
5	MW-15	3/3/18	1121	GW	2	✓	✓																	
6	MW-16	3/3/18	1143																					
6	MW-17	3/3/18	1143	GW	2	✓	✓																	
7	MW-18	3/3/18	1210	GW	2	✓	✓																	
8	MW-19	3/3/18	1233	GW	2	✓	✓																	
9	MW-20	3/3/18	1310	GW	2	✓	✓																	

Matrix Codes*				Pres Codes		Relinquished by	Date	Time	Received by	Date	Time
S	Soil/Solid Sediment	SW	Surface Water	A	none	E. Rahrig	3/3/18	1650	E. Rahrig	3/3/18	1650
GW	Ground Water	SL	Sludge	B	HNO ₃						
WW	Waste Water	O	Other (Please Specify)	C	H ₂ SO ₄						
DW	Drinking Water			D	NaOH						
				E	HCl						
				F	ZnAc						

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFWMD ADaPT DOT

Temp Control: 5.5 °C

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG: 1855666	Req: 1464
Client: Edward Rahri	Project: EDWARD RAHRI
Level: 1	Date Rec'd: 3/3/2018 5:30:00 PM
Rec'd via: courier	

Cooler Check

Security Tape

ID	Temp	# of samples	Present	Intact	Method of Receipt	Comments
	5.5	9	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: CF

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	Yes	Written on Internal COC?	No
pH Strip Lot #	HC730269	Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #	15127	Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)		COC Comments written on COC?	No
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-1	SAMPLE ID: SAME AS WELL NO. DATE: 3/2/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.10	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.00	PURGING INITIATED AT: 0838	PURGING ENDED AT: 0852	TOTAL VOLUME PURGED (gallons): 2.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0841	0.5	0.5	0.18	7.06	7.06	26.6	366.0	6.1	2.45	YEL	None
0848	1.5	2.0	0.1	7.06	7.06	26.6	366.5	3.0	2.73	YEL	None
0852	0.5	2.5	0.1	7.26	7.08	26.6	367.2	2.5	1.43	YEL	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0852	SAMPLING ENDED AT: 0856
PUMP OR TUBING DEPTH IN WELL (feet): 9.01	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm

FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mls per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-1	1	PE	100 ML	NONE	-	-	AS	PP	0.18
MW-1	1	PE	100 ML	HNO3	-	-	AS	PP	0.18

REMARKS:

MATERIAL CODES AG = Amber Glass, CG = Clear Glass, PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

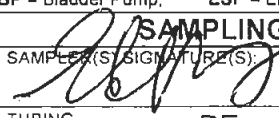
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-2	SAMPLE ID: SAME AS WELL NO.
DATE: 3/2/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.1 feet	STATIC DEPTH TO WATER (feet): 7.44	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.44	PURGING INITIATED AT: 9.07	PURGING ENDED AT: 0921	TOTAL VOLUME PURGED (gallons): 3.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0910	0.5	0.5	0.21	7.54	6.96	26.6	600	6.9	7.00	yel	none
0912	0.5	1.0	↓	7.54	6.95	26.6	604	6.2	30.0	yel	none
	0.5	1.5		7.54	6.95	26.6	615	4.0	11.8	yel	none
0918	1.5	2.5	↓	7.54	6.94	26.7	648	2.7	8.14	yel	none
0921	0.5	3.0	↓	7.54	6.94	26.6	658	2.4	4.37	yel	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0921		SAMPLING ENDED AT: 0925 14.66 hr	
PUMP OR TUBING DEPTH IN WELL (feet): 9.44			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-2	1	PE	100 ML	NONE	—	—	AS	PP	0.21
MW-2	1	PE	100 ML	HNO3	—	—	AS	PP	0.21
REMARKS:									
MATERIAL CODES AG = Amber Glass. CG = Clear Glass. PE = Polyethylene. PP = Polypropylene. S = Silicone. T = Teflon. O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

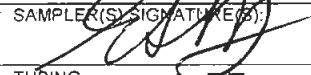
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-3	SAMPLE ID: SAME AS WELL NO. DATE: 3/2/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.65 feet	STATIC DEPTH TO WATER (feet): 6.74	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.74	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.74	PURGING INITIATED AT: 0938	PURGING ENDED AT: 0945	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0940	0.5	0.5	0.21	6.84	6.88	25.5	692	4.8	1.81	yel	none
0942	0.5	1.0	↓	6.84	6.86	25.5	610	4.1	2.21	yel	none
0945	0.5	1.5	↓	6.84	6.86	25.6	628	3.0	3.99	yel	none
<small>WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)</small>											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0945		SAMPLING ENDED AT: 0950	
PUMP OR TUBING DEPTH IN WELL (feet): 8.74			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: — μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-3	1	PE	100 ML	NONE	—	—	AS	PP	0.21
MW-3	1	PE	100 ML	HNO3	—	—	AS	PP	0.21
REMARKS:									
<small>MATERIAL CODES AG = Amber Glass. CG = Clear Glass. PE = Polyethylene. PP = Polypropylene. S = Silicone. T = Teflon. O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump. SM = Straw Method (Tubing Gravity Drain). O = Other (Specify)</small>									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-4	SAMPLE ID: SAME AS WELL NO. DATE: 3/2/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.09 feet	STATIC DEPTH TO WATER (feet): 7.18	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.18	PURGING INITIATED AT: 1001	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1005	0.5	0.5	0.22	7.35	7.35	23.5	374.7	3.4	16.6	Yel	None
1006	0.5	1.0	↓	7.35	7.39	23.5	372.7	2.9	11.0	Yel	None
1008	0.5	1.5	↓	7.35	7.47	23.6	372.0	2.2	6.33	Yel	None
1010	0.5	2.0	↓	7.35	7.50	23.5	372.2	2.3	4.05	Yel	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 9.18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-4	1	PE	100 ML	NONE	-	-	AS	PP	0.22
MW-4	1	PE	100 ML	HNO3	-	-	AS	PP	0.22

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-16	SAMPLE ID: SAME AS WELL NO.
DATE: 3/2/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 18.62 feet	STATIC DEPTH TO WATER (feet): 9.75	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.75	PURGING INITIATED AT: 1032	PURGING ENDED AT: 1043	TOTAL VOLUME PURGED (gallons): 2.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1038	1.0	1.0	0.18	9.91	7.11	21.5	450.2	3.6	1.53	yellow	none
1040	0.5	1.5	↓	9.91	7.22	21.5	442.7	5.2	4.70	yellow	none
1043	0.5	2.0	↓	9.91	7.26	21.6	441.8	5.4	2.36	yellow	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 1048
PUMP OR TUBING DEPTH IN WELL (feet): 11.75	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-16	1	PE	100 ML	NONE	-	-	AS	PP	2.18
MW-16	1	PE	100 ML	HNO3	-	-	AS	PP	2.18

REMARKS:

MATERIAL CODES AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-5	SAMPLE ID: SAME AS WELL NO.
DATE: 3/2/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 7.72 feet	STATIC DEPTH TO WATER (feet): 8.85	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.85	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.85	PURGING INITIATED AT: 1102	PURGING ENDED AT: 1112	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1106	1.0	1.0	0.20	8.94	7.04	27.9	620	3.4	4.05 2.94	yel	none
1109	0.5	1.5	↓	8.94	7.06	27.9	600	4.1	2.51	yel	none
1112	0.5	2.0	↓	8.94	7.04	28.0	594	4.0	1.89	yel	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: 1112	SAMPLING ENDED AT: 1115		
PUMP OR TUBING DEPTH IN WELL (feet): 10.85			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-5	1	PE	100 ML	NONE	—	—	AS	PP	0.20
MW-5	1	PE	100 ML	HNO3	—	—	AS	PP	0.20
REMARKS:									
MATERIAL CODES AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

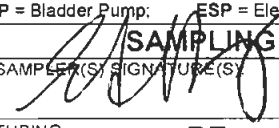
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-6	SAMPLE ID: SAME AS WELL NO. DATE: 3/2/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.6 feet to 14.6 feet	STATIC DEPTH TO WATER (feet): 8.22	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.22	PURGING INITIATED AT: 1127.5	PURGING ENDED AT: 1135	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130	0.5	0.5	0.10	8.36	7.00	24.8	622	4.6	3.38	yellow	none
1132	0.5	1.0	↓	8.36	7.04	24.8	621	2.9	2.13	yellow	none
1135	0.5	1.5	↓	8.36	7.07	24.7	625	2.6	1.38	yellow	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLE(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1135		SAMPLING ENDED AT: 1140	
PUMP OR TUBING DEPTH IN WELL (feet): 10.22			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-6	1	PE	100 ML	NONE	-	-	AS	PP	0.10
MW-6	1	PE	100 ML	HNO3	-	-	AS	PP	0.10
REMARKS:									
MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009


**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-17	SAMPLE ID: SAME AS WELL NO. DATE: 3/2/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 3.60 feet	STATIC DEPTH TO WATER (feet): 5.72	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.72	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.72	PURGING INITIATED AT: 1149	PURGING ENDED AT: 1158	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1153	1.0	1.0	0.22	5.84	7.09	22.5	450.1	2.1	4.81	Yel	nae
1156	0.5	1.5	↓	5.84	7.09	22.5	449.0	1.7	2.69	Yel	nae
1158	0.5	2.0	↓	5.84	7.09	22.5	449.5	1.5	1.91	Yel	nae
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER SIGNATURE(S): 			SAMPLING INITIATED AT: 1158		SAMPLING ENDED AT: 1203	
PUMP OR TUBING DEPTH IN WELL (feet): 7.72			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-17	1	PE	100 ML	NONE	—	—	AS	PP	0.22
MW-17	1	PE	100 ML	HNO3	—	—	AS	PP	0.22
REMARKS:									
MATERIAL CODES AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-8	SAMPLE ID: SAME AS WELL NO.
DATE: 3/2/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 65.68 feet	STATIC DEPTH TO WATER (feet): 6.50	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.50	PURGING INITIATED AT: 1219	PURGING ENDED AT: 1227	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1222	0.5	0.5	0.19	6.58	6.93	24.8	694	6.1	2.33	yel	none
1225	0.5	1.0	↓	6.58	6.94	24.8	697	4.7	2.45	yel	none
1227	0.5	1.5	↓	6.58	6.96	24.9	691	1.8	2.03	yp	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 1227		SAMPLING ENDED AT: 1233			
PUMP OR TUBING DEPTH IN WELL (feet): 8.50				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm					
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH							
MW-8	1	PE	100 ML	NONE	-	-	AS		PP		0.19		
MW-8	1	PE	100 ML	HNO3	-	-	AS		PP		0.19		
REMARKS:													
MATERIAL CODES AG = Amber Glass. CG = Clear Glass. PE = Polyethylene. PP = Polypropylene. S = Silicone. T = Teflon. O = Other (Specify)													
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump. SM = Straw Method (Tubing Gravity Drain). O = Other (Specify)													

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

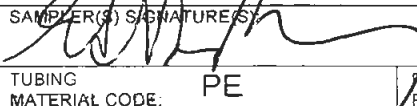
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-9	SAMPLE ID: SAME AS WELL NO.
DATE: 3/2/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 10.67 feet	STATIC DEPTH TO WATER (feet): 5.68	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.68	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.68	PURGING INITIATED AT: 1245	PURGING ENDED AT: 1254	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1249	1.0	1.0	0.22	5.74	7.07	24.5	624	2.4	6.39	Yel	None
1252	0.5	1.5	↓	5.74	7.10	24.5	635	1.3	7.26	Yel	None
1254	0.5	2.0	↓	5.74	7.10	24.5	637	1.2	5.58	Yel	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1254		SAMPLING ENDED AT: 1258	
PUMP OR TUBING DEPTH IN WELL (feet): 7.68			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N			TUBING <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-9	1	PE	100 ML	NONE	-	-	AS	PP	0.22
MW-9	1	PE	100 ML	HNO3	-	-	AS	PP	0.22
REMARKS:									
MATERIAL CODES AG = Amber Glass. CG = Clear Glass. PE = Polyethylene. PP = Polypropylene. S = Silicone. T = Teflon. O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain). O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

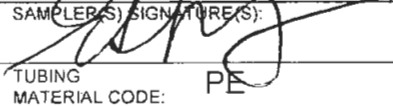
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO.: MW-10	SAMPLE ID: SAME AS WELL NO. DATE: 3/2/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.18	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.18	PURGING INITIATED AT: 1310	PURGING ENDED AT: 1323	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1317	1.0	1.0	0.15	6.35	6.91	26.7	455.6	1.6	4.49	yel	none
1320	0.5	1.5	↓	6.35	6.91	26.8	446.8	1.5	4.49	yel	none
1323	0.5	2.0	↓	6.35	6.93	26.8	436.0	1.5	2.68	yel	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1323		SAMPLING ENDED AT: 1330	
PUMP OR TUBING DEPTH IN WELL (feet): 8.18			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gals per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW10	1	PE	100 ML	NONE	-	-	AS	PP	0.15
MW10	1	PE	100 ML	HNO3	-	-	AS	PP	0.15
REMARKS:									
MATERIAL CODES AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212; SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-11	SAMPLE ID: SAME AS WELL NO. DATE: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 74.8 feet to 74.8 feet	STATIC DEPTH TO WATER (feet): 7.65	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.65	PURGING INITIATED AT: 0901	PURGING ENDED AT: 0911	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0904	0.5	0.5	0.20	7.75	6.55	25.6	231.9	4.0	12.7	yellow	none
0906	0.5	1.0	↓	7.75	6.49	25.6	226.9	2.5	11.1	yellow	none
0909	0.5	1.5	↓	7.75	6.47	25.6	225.2	2.3	10.3	yellow	none
0911	0.5	2.0	↓	7.75	6.43	25.6	224.5	2.4	10.6	yellow	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0911	SAMPLING ENDED AT: 0917
PUMP OR TUBING DEPTH IN WELL (feet): 9.65	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-11	1	PE	100 ML	NONE	-	-	AS	PP	0.20
MW-11	1	PE	100 ML	HNO3	-	-	AS	PP	0.20

REMARKS: **ORP +74.0, 46.7; Slope opp Green**

MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-12	SAMPLE ID: SAME AS WELL NO.
DATE: 3/3/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.66 feet	STATIC DEPTH TO WATER (feet): 5.65	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: \uparrow WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: \uparrow EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.65	PURGING INITIATED AT: 0927	PURGING ENDED AT: 0940	TOTAL VOLUME PURGED (gallons): 2.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0932	1.0	1.0	0.19	5.70	5.84	24.5	371.1	2.0	9.77	brn	none
0937	2.0	2.0	↓	5.70	5.84	24.6	375.2	2.0	9.31	brn	none
0940	0.5	2.5	↓	5.70	5.84	24.5	376.2	2.1	9.76	brn	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0940	SAMPLING ENDED AT: 0946
PUMP OR TUBING DEPTH IN WELL (feet): 7.65	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: — μm

FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-12	1	PE	100 ML	NONE	—	—	AS	PP	0.19
MW-12	1	PE	100 ML	HNO3	—	—	AS	PP	0.19

REMARKS: **ORP + 47.8, 39.9; slope off FW**

MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump, B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA: FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-13	SAMPLE ID: SAME AS WELL NO. DATE: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.68 feet	STATIC DEPTH TO WATER (feet): 7.08	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.08	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.08	PURGING INITIATED AT: 0955	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1000	1.0	1.0	0.22	7.20	5.98	24.8	286.4	3.5	14.9	Bru	none
1002	0.5	1.5	↓	7.20	6.00	24.9	290.1	2.3	12.6	Bru	none
1004	0.5	2.0	↓	7.20	6.00	24.9	292.2	1.9	11.8	Bru	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: 1004	SAMPLING ENDED AT: 1010
PUMP OR TUBING DEPTH IN WELL (feet): 9.08	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (r/L per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-13	1	PE	100 ML	NONE	-	-	AS	PP	0.22
MW-13	1	PE	100 ML	HNO3	-	-	AS	PP	0.22

REMARKS: **ORP +84.3, 76.8; slope off FW**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-14	SAMPLE ID: SAME AS WELL NO. DATE: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.62 feet	STATIC DEPTH TO WATER (feet): 8.35	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.35	PURGING INITIATED AT: 1022	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (gallons): 5.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1027	1.0	1.0	0.20	8.48	6.80	25.4	141.1	3.1	42.5	Brn	None
1033	1.0	2.0	↓	8.48	6.85	25.4	143.6	1.9	32.2	Brn	None
1038	1.0	3.0	↓	8.48	6.89	25.4	145.1	1.6	30.6	Brn	None
1042	1.0	4.0	↓	8.48	6.87	25.4	145.1	1.4	29.3	Brn	None
1047	1.0	5.0	↓	8.48	6.87	25.4	146.7	1.3	28.6	Brn	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1047	SAMPLING ENDED AT: 1053
PUMP OR TUBING DEPTH IN WELL (feet): 10.35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-14	1	PE	100 ML	NONE	—	—	AS	PP	0.20
MW-14	1	PE	100 ML	HNO3	—	—	AS	PP	0.20

REMARKS: **ORP +62.9, 61.0, 43.1, 36.8 Slight Slope ~~down~~ in FW**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

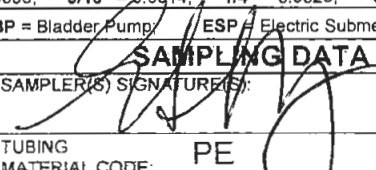
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-15	SAMPLE ID: SAME AS WELL NO. DATE: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.68 feet	STATIC DEPTH TO WATER (feet): 5.74	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.74	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.74	PURGING INITIATED AT: 1102	PURGING ENDED AT: 1121	TOTAL VOLUME PURGED (gallons): 4.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1105	0.5	0.5	0.24	5.84	6.39	26.3	350.1	2.6	29.0	Brn	none
1108	0.5	1.0		5.84	6.40	26.3	343.6	1.8	29.1	Brn	none
1112	1.0	2.0		5.84	6.40	26.3	340.3	1.7	24.7	Brn	none
1116	1.0	3.0		5.84	6.39	26.3	335.8	1.4	19.9	Brn	none
1119	0.5	2.5		5.84	6.39	26.3	334.7	1.3	18.7	Brn	none
1124	0.5	4.0	↓	5.84	6.39	26.3	333.6	1.2	17.7	Brn	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1124		SAMPLING ENDED AT: 1127	
PUMP OR TUBING DEPTH IN WELL (feet): 7.74			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N			TUBING <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-15	1	PE	100 ML	NONE	-	-	AS	PP	0.21
MW-15	1	PE	100 ML	HNO3	-	-	AS	PP	0.21
- 17.0									
REMARKS: ORP = 55.9, 27.7, -5.6-13.2 Slope off Tee									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

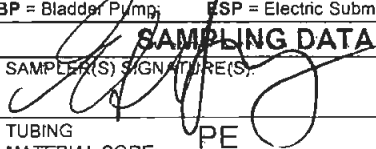
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-17	SAMPLE ID: SAME AS WELL NO.
DATE: 3/3/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 1118 feet	STATIC DEPTH TO WATER (feet): 6.36	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.36	PURGING INITIATED AT: 1135	PURGING ENDED AT: 1143	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1138	0.5	0.5	0.19	6.40	6.57	26.1	307.1	6.6	4.82	Yel	None
1140	0.5	1.0	↓	6.40	6.49	26.1	303.7	5.8	5.00	Yel	None
1143	0.5	1.5	↓	6.40	6.45	26.1	299.1	4.9	3.98	Yel	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLE(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1143		SAMPLING ENDED AT: 1149	
PUMP OR TUBING DEPTH IN WELL (feet): 8.36			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: 1 μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N					TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N		
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-17	1	PE	100 ML	NONE	-	-	AS	PP	0.19
MW-17	1	PE	100 ML	HNO3	-	-	AS	PP	0.19
REMARKS: ORP 12.7, 1.4 Slope off green									
MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

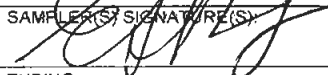
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: 1MW-18	SAMPLE ID: SAME AS WELL NO. DATE: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 19.55 feet	STATIC DEPTH TO WATER (feet): 10.20	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.20	PURGING INITIATED AT: 1200	PURGING ENDED AT: 1210	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1204	0.5	0.5	0.15	10.30	6.85	26.0	757	6.7	2.19	Yel	None
1207	0.5	1.0	↓	10.30	6.85	26.0	747	2.9	3.72	Yel	None
1210	0.5	1.5	↓	10.30	6.90	26.0	747	2.7	2.76	Yel	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1210		SAMPLING ENDED AT: 1216	
PUMP OR TUBING DEPTH IN WELL (feet): 12.20			TUBING MATERIAL CODE: PE			FIELD-FILTERED: <input checked="" type="checkbox"/> N FILTER SIZE: _____ μm		Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
1MW-18	1	PE	100 ML	NONE	-	-	AS	PP	0.15
1MLO-18	1	PE	100 ML	HNO3	-	-	AS	PP	0.15
REMARKS: ORP - 70, 117, 2.4 Slope on FW									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene. PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-19	SAMPLE ID: SAME AS WELL NO.
DATE: 3/3/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.64 feet	STATIC DEPTH TO WATER (feet): 5.80	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.80	PURGING INITIATED AT: 1225	PURGING ENDED AT: 1233	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1228	0.5	0.5	0.23	5.87	7.00	23.7	484.1	6.6	2.60	Yel	None
1230	0.5	1.0	↓	5.87	6.98	23.7	481.2	3.1	2.63	Yel	None
1233	0.5	1.5	↓	5.87	6.97	23.7	481.2	2.2	1.92	Yel	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1233	SAMPLING ENDED AT: 1246
PUMP OR TUBING DEPTH IN WELL (feet): 7.80	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-19	1	PE	100 ML	NONE	-	-	AS	PP	0.23
MW-19	1	PE	100 ML	HNO3	-	-	AS	PP	0.23

REMARKS: **ORP +65.4, 60.7** **Flat to slight slope to W (rough)**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-20	SAMPLE ID: SAME AS WELL NO. DATE: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.68 feet	STATIC DEPTH TO WATER (feet): 4.88	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
6.60 gallons = (6.60 gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.88	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.88	PURGING INITIATED AT: 1251	PURGING ENDED AT: 1310	TOTAL VOLUME PURGED (gallons): 4.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1255	1.0	1.0	0.21	4.68	7.14	24.6	453.1	1.9	94.3	yel	none
1259	1.0	2.0	↓	4.68	7.14	24.7	448.7	1.3	28.3	yel	none
1305	1.0	3.0	↓	4.68	7.14	24.7	448.7	1.1	16.4	yel	none
1308	0.5	3.5	↓	4.68	7.13	24.7	449.2	1.0	17.9	yel	none
1310	0.5	4.0	↓	4.68	7.14	24.7	446.2	1.0	16.5	yel	none

WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1310	SAMPLING ENDED AT: 1316
PUMP OR TUBING DEPTH IN WELL (feet): 6.60	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μ m
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-20	1	PE	100 ML	NONE	-	-	AS	PP	0.21
MW-20	1	PE	100 ML	HNO3	-	-	AS	PP	0.21

REMARKS: **Slope off green**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

Revision Date: February 12, 2009

Edward G. Rahrig, P.G. LLC
632 SW Aster Road
Port St. Lucie, FL 34953



561-738-4667
edrahrig@comcast.net

Mr. David Vanlandingham, P.E.
Engineering Unit Supervisor
Broward County Environmental Assessment and Remediation Section
1 North University Drive, Mailbox 201
Plantation, Florida 33324

May 22, 2017

**Subject: Quarterly Monitoring Report
Former Hillsboro Pines Golf Course
450, 451, 2799, 2800, and 2801 Century Boulevard
Deerfield Beach, Florida
COM_330833**

Dear Mr. Vanlandingham:

Edward G. Rahrig, P.G. LLC is pleased to present this quarterly monitoring report for the former Hillsboro Pines Golf course located at 450, 451, 2799, 2800, and 2801 Century Boulevard, Deerfield Beach (Broward County), Florida (the “Subject”; Figure 1). Performance of quarterly monitoring is necessary to demonstrate the arsenic groundwater plume beneath the Subject is “stable or shrinking”.

1.0 INTRODUCTION AND SUMMARY OF PRIOR ASSESSMENT WORK

Based on readily available information, the Subject property was undeveloped or agricultural from the 1940s to the early 1970s, when it was developed as the Hillsboro Pines Golf Course. A variety of agricultural chemicals in the form of solid and liquid fertilizers, pesticides, and herbicides were likely in routine use during that time, including monosodium methyl arsenate (MSMA), an arsenic-based herbicide. Use of the Subject property as a golf course ceased in April of 2013 and the site has been fallow since that time. Agricultural chemical storage and mixing and other maintenance activities such as fuel storage and vehicle repair were performed offsite.

Based on this information, the primary source of detected arsenic in soil and groundwater onsite is believed to be from surficial application of MSMA. Detected concentrations of arsenic and other chemicals in collected soil and groundwater samples are consistent with label application of MSMA and other agricultural chemicals during operation of the property as a golf course. No unusually high arsenic concentrations were detected in any of the collected samples. Moreover, no citations for improper application of these materials was found in readily available regulatory agency files.

A prior Phase I Environmental Site Assessment (ESA; EE&G 2014) performed on behalf of a potential buyer (the Master Association) identified historic use of the Subject as a golf course, the adjacent golf course central maintenance area, the presence of a nearby dry cleaner, and nearby commercial/industrial businesses as Recognized Environmental Conditions (RECs). EE&G's ESA recommended additional subsurface investigations to assess the identified RECs.

As a result of the ESA recommendations, a site assessment (SA) was prepared by EE&G (2014). The SA analyzed a total of 200 soil samples collected from 82 soil borings advanced at the Subject. Arsenic was detected in 122 of the 200 samples at a concentration greater than its Florida Department of Environmental Protection (FDEP) Soil Cleanup Target Level (SCTL) of 2.1 milligrams per kilogram (mg/kg). The maximum detected arsenic soil concentration was 44.1 mg/kg. Arsenic concentrations were observed to generally decrease with depth, which is consistent with the surficial application of arsenic-containing agricultural chemicals.

Eight sediment samples were also collected from the onsite lakes as part of the SA. Arsenic was detected in one of the eight samples at 6.3 mg/kg and below its residential SCTL of 2.1 mg/kg in the remaining seven samples.

A total of 15 temporary monitoring wells were installed at the Subject as part of the SA. Arsenic was detected in groundwater samples collected from eight of 14 temporary wells at a concentration greater than its FDEP Groundwater Cleanup Target Level (GCTL) of 0.010 milligrams per liter (mg/l). Arsenic concentrations ranged from 0.0165 to 0.361 mg/l in collected groundwater samples.

Portions of a Limited Soil and Groundwater Assessment draft prepared by GFA International, Inc. (GFI 2014) on behalf of the Subject property owner was reviewed. GFI also reported the presence of arsenic in soil and groundwater samples collected at the Subject. GFI's assessment was performed concurrently with the EE&G SA and apparently involved the splitting and separate analysis of selected samples collected by EE&G. Arsenic was detected above its SCTL in 35 of 40 collected soil samples, with a maximum detected arsenic concentration of 44.7 mg/kg. Arsenic was detected above its GCTL in eight of 14 collected groundwater samples, with a maximum detected groundwater concentration of 0.377 mg/l.

Edward G. Rahrig, P.G. LLC advanced twelve borings at the Subject on January 31 and February 2, 2017. Boring locations were advanced in areas most likely to contain elevated arsenic concentrations, such as tees, greens, and fairways. Arsenic was detected in 23 of 80 collected soil samples at a concentration greater than its SCTL, with a maximum detected concentration of 23 mg/kg.

Arsenic was detected in groundwater samples collected from eight of the 12 borings at a concentration greater than its GCTL, with a maximum detected total arsenic concentration of 0.440 mg/l (dissolved arsenic concentration of 320 mg/l).

During a meeting on March 3, 2017 soil and groundwater results for the 2014 and 2017 sampling events were discussed with Broward County representatives. At that time it was determined quarterly groundwater monitoring would be necessary to demonstrate the detected groundwater contaminant plume beneath the Subject is “stable or shrinking”.

2.0 SCOPE OF WORK

Field activities documented herein as part of the quarterly sampling event were conducted in accordance with FDEP standard operating procedures and industry accepted practices. Groundwater sampling tasks were conducted in accordance with the DEP-SOP-001/01 FS 2200 Groundwater Sampling Protocol. Analysis of the collected groundwater samples was performed by Palm Beach Environmental Laboratories, a Florida-certified environmental laboratory.

On April 3 to April 6, 2017 twenty shallow monitor wells (MW-1 through MW-20) were installed at predetermined, randomly selected locations at the Subject property. Monitor well locations are depicted on Figure 2. Prior to well installation, continuous soil cores were collected from the surface to the groundwater table at each well location using a *Geoprobe MacroCore* sampler and disposable acetate sleeves. After collection, the sleeves were cut open and the soil cores were visually examined.

Site lithology observed in collected cores is comprised of sod overlying approximately six feet of light gray to tan fine quartz sand, which then grades to dark reddish brown to ocher fine quartz sand layer near the top of the observed groundwater table. No significant aquacludes such as clay layers were observed in collected cores. The dark reddish brown to ocher colored soil horizon is the source of the dark coloring and elevated turbidity readings observed in several collected groundwater grab samples. Soil boring logs are presented in Table 1 (Appendix A).

Groundwater monitor wells were installed by JAEE Environmental, Inc., a Florida-licensed water well contractor, using a *Geoprobe* direct push drill rig and *Geoprobe* pre-pack monitor well assemblies. The 1.5” diameter PVC wells included 10-foot pre-fabricated stainless steel prepack screen enclosing 6-20 silica sand and 0.010-slot PVC screen and variable lengths of solid PVC riser. Well screens were set at a depth of two feet above to eight feet below the observed water table.

The ambient water table was observed to vary between six to 12 feet below grade at the time of monitor well installation. Changes in depth to the water table from well to well were mostly due

to elevation changes commonly found on the golf course (e.g. bunkers, elevated tees, elevated greens). A typical well construction diagram is provided as Figure 3. After installation, the wells were developed using a small centrifugal pump and finished with concrete collar pads, lockable water-tight caps, and 5-inch diameter bolt-down water-tight manholes. Well Completion Reports provided by the drilling contractor are contained in Appendix B.

On April 13 and 14, 2017 groundwater samples were collected from the twenty monitor wells by representatives of Edward G. Rahrig, P.G. LLC. At each location, the manhole cover and well cap were removed and depth to groundwater measured using a water level meter. A length of disposable HDPE tubing was lowered into the well, with the end of the tubing placed two feet below the top of the water table. The other end of the tubing was connected to a variable speed peristaltic pump which discharged to a flow cell containing a probe from a YSI Professional Series Pro Plus hand-held multi-parameter instrument.

Discharge from the flow cell was directed to a calibrated 5-gallon bucket for concurrent flow rate measurements. A constant flow rate was maintained during purging and sampling of each monitor well. The measured flow rate was calculated to be approximately 0.17 gallons per minute. Purge volume for each well ranged from 2.0 to 4.0 gallons.

The following parameters were measured or reported at each monitor well:

- Time
- Volume (gallons)
- Cumulative volume (gallons)
- Purge rate (gallons per minute; kept constant at each well)
- Depth to water (feet)
- pH (standard units)
- Temperature (degrees Centigrade)
- Conductivity (uS/cm)
- Dissolved Oxygen (% saturation)
- Turbidity (NTUs; measured using a Hach 2100 turbidity instrument)
- Color (visual description), and
- Odor (olfactory description).

After the measured parameters met FDEP Stabilization Criteria, groundwater samples were collected in laboratory supplied containers and stored on wet ice.

In the event stabilization criteria could not be met due to high turbidity values, development of the well was terminated after pumping 4.0 gallons (around 5 well volumes) and samples collected as

above. Samples were transported to the laboratory under a Chain-of-Custody for intake processing and analysis.

Groundwater samples were analyzed using EPA Method 6020B for total and dissolved arsenic. Groundwater analytical results for each monitor well are summarized in Table 3 (Appendix A). All laboratory analytical reports and completed Chain-of-Custody forms are contained in Appendix C.

Groundwater table elevation and gradient data were not determined during this monitoring event due to abrupt changes in surface elevation and the presence of numerous drainage features and stormwater lakes at the Subject. Moreover, the eastern portion of the Subject is located within the zone of influence of a municipal wellfield and there is another municipal wellfield northwest of the Subject. It is believed that elevation data collected at the Subject would not be representative of the regional groundwater flow direction and overall actual site conditions. Figure 4 depicts Broward County wellfields in the vicinity of the Subject.

3.0 ANALYTICAL RESULTS

Total and dissolved arsenic concentrations detected in collected groundwater are summarized in Table 3 (Appendix A). Arsenic was detected in 14 of 20 monitor wells at a concentration greater than its FDEP GCTL of 0.010 mg/l. The total arsenic concentrations detected in each well are depicted on Figure 4. Detected arsenic concentrations ranged from 0.0055 mg/l to a maximum concentration of 0.1444 mg/l (MW-11).

Laboratory analytical and Chain-of-Custody forms are contained in Appendix C. Physical parameters and other relevant information collected during the sampling of each well were recorded on Groundwater Sampling Logs, which are contained in Appendix D.

4.0 CONCLUSIONS

Total and dissolved arsenic were detected in several collected groundwater samples at concentrations greater than its GCTL. Detected arsenic in the Subject's groundwater is likely from the historic use of arsenic-containing agricultural herbicides and fertilizers, including MSMA. Based on information obtained from the FDEP, application of MSMA to turf grass in accordance with label directions at sites with a shallow groundwater table will likely result in arsenic contamination of groundwater (FDEP 2002), in some cases after the first application. MSMA has not been used on the Subject golf course since at least 2013. Comparison of arsenic concentrations detected in groundwater between the 2014 and this sampling event suggests arsenic concentrations are decreasing over time and may continue to do so. Detected decreases in arsenic groundwater concentrations is attributed to the fact MSMA is no longer being applied at the property.

5.0 RECOMMENDATIONS

The first quarter of groundwater monitoring has been completed. Arsenic has been detected in several groundwater samples at concentrations greater than its FDEP GCTL. An additional quarter of groundwater monitoring for arsenic is recommended to confirm the arsenic contaminant plume is “stable or shrinking”.

If you have any questions regarding the information contained in this quarterly monitoring report, please do not hesitate to contact me at any time.

Best regards,



Edward G. Rahrig, P.G.
Environmental Consultant



Attachments: Figures
Appendix A (Tables)
Appendix B (Well Completion Reports)
Appendix C (Laboratory Analytical reports and Chain-of-Custody Forms)
Appendix D (Groundwater Sampling Field Logs)

Cc: File

PROFESSIONAL CERTIFICATION

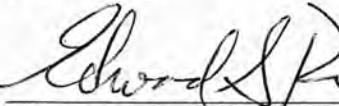
I, Edward G. Rahrig, P.G. #1237, certify that I currently hold an active license in the State of Florida and am competent through education and experience to provide the geologic service contained in this report and meet the requirements outlined below:

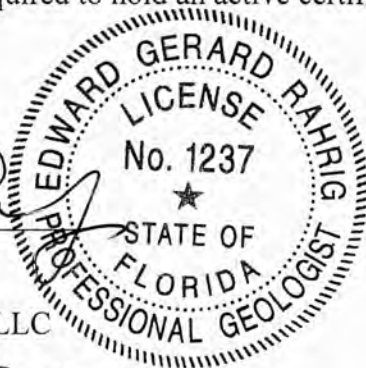
62-780.400 Professional Certifications

- (1) Applicable portions of technical documents submitted by the PRSR to the Department shall be signed and sealed by a professional engineer registered pursuant to Chapter 471, F.S., or a professional geologist registered pursuant to Chapter 492, F.S., certifying that the applicable portions of the technical document and associated work comply with standard professional practices, this chapter and other rules of the Department, and any other applicable laws and rules governing the profession. If a laboratory report is submitted separately from any other technical document submittal, this requirement shall not apply to that laboratory report.

Moreover, I certify that Edward G. Rahrig, P.G., LLC is a single-member Limited Liability Corporation and is not required to hold an active certificate of authorization to provide geological services.

Prepared by:


Edward G. Rahrig, P.G.
Managing Member
Edward G. Rahrig, P.G., LLC



Date: May 22, 2017



EDWARD G. RAHRIG, P.G., LLC
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 Port St. Lucie, FL 34953-2905
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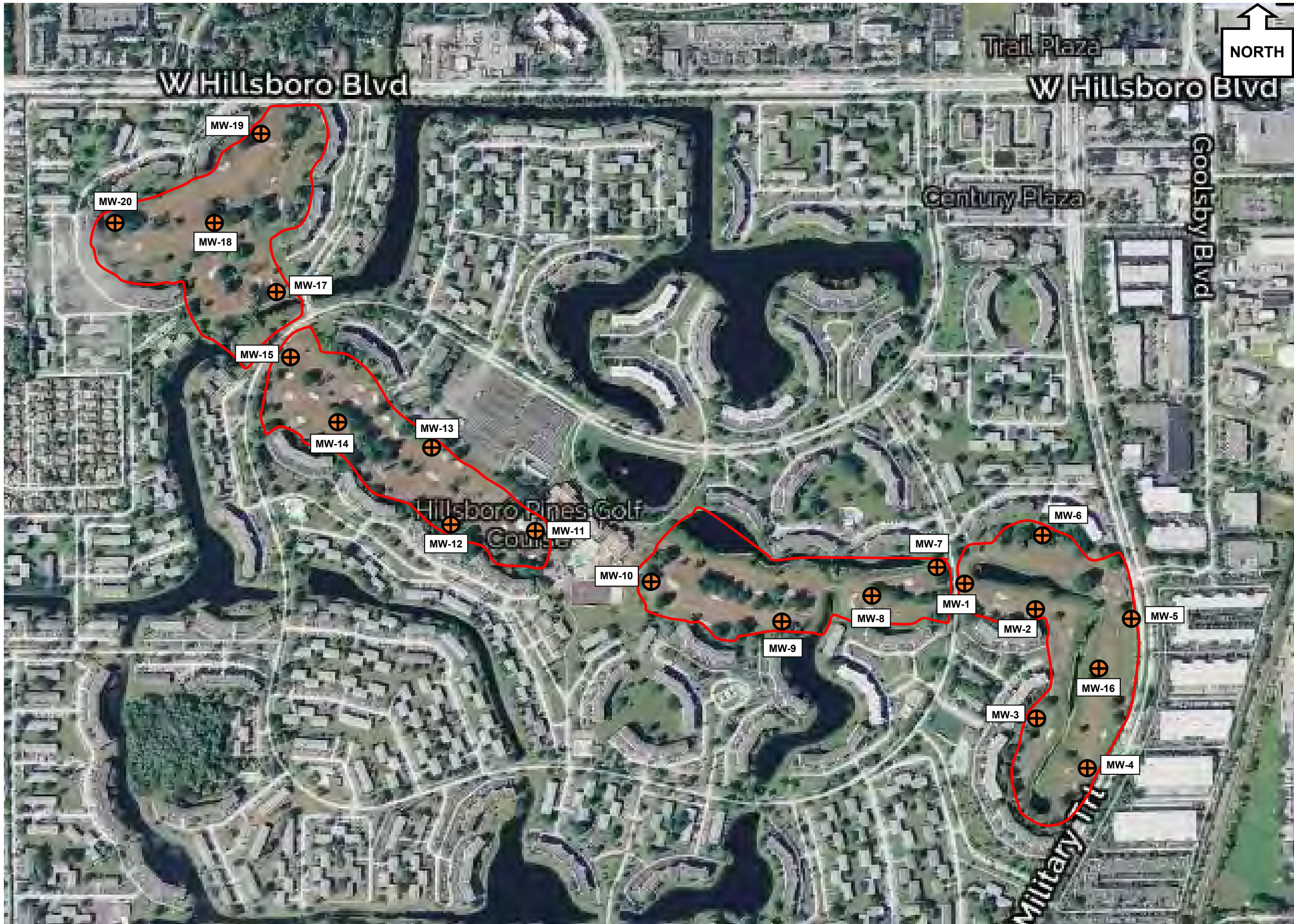
Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Site Location Map
 Not to Scale

Drawn By
 ER

Date: May 22, 2017
 Job No.: 62102.01

Figure No.:
 1

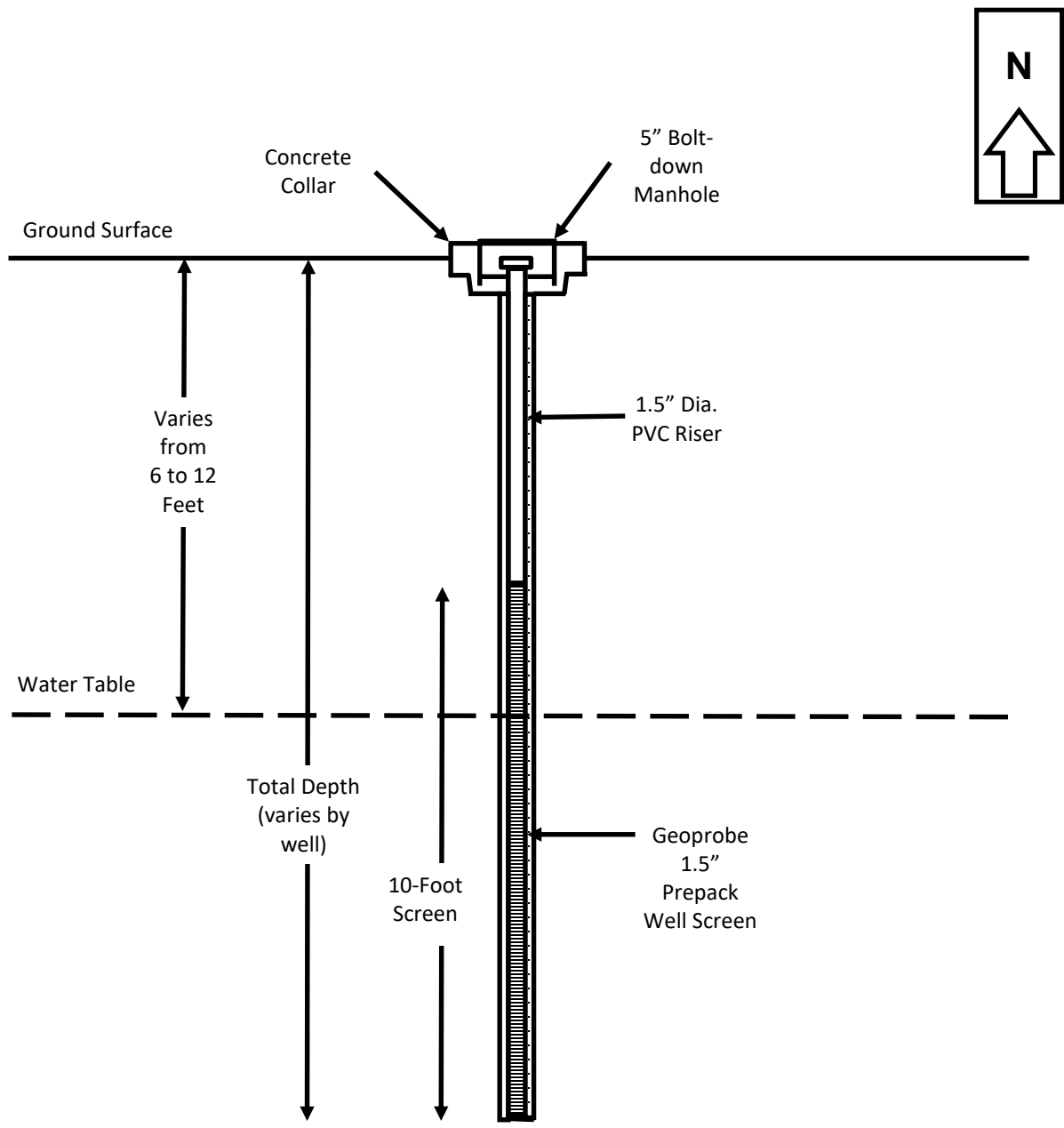


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Quarterly Monitoring Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Monitor Well Location Map	Drawn By	ER	Date:	May 22, 2017	Figure No.:	2
			Job No.:	62102.01		

LEGEND
 Monitor Well Location

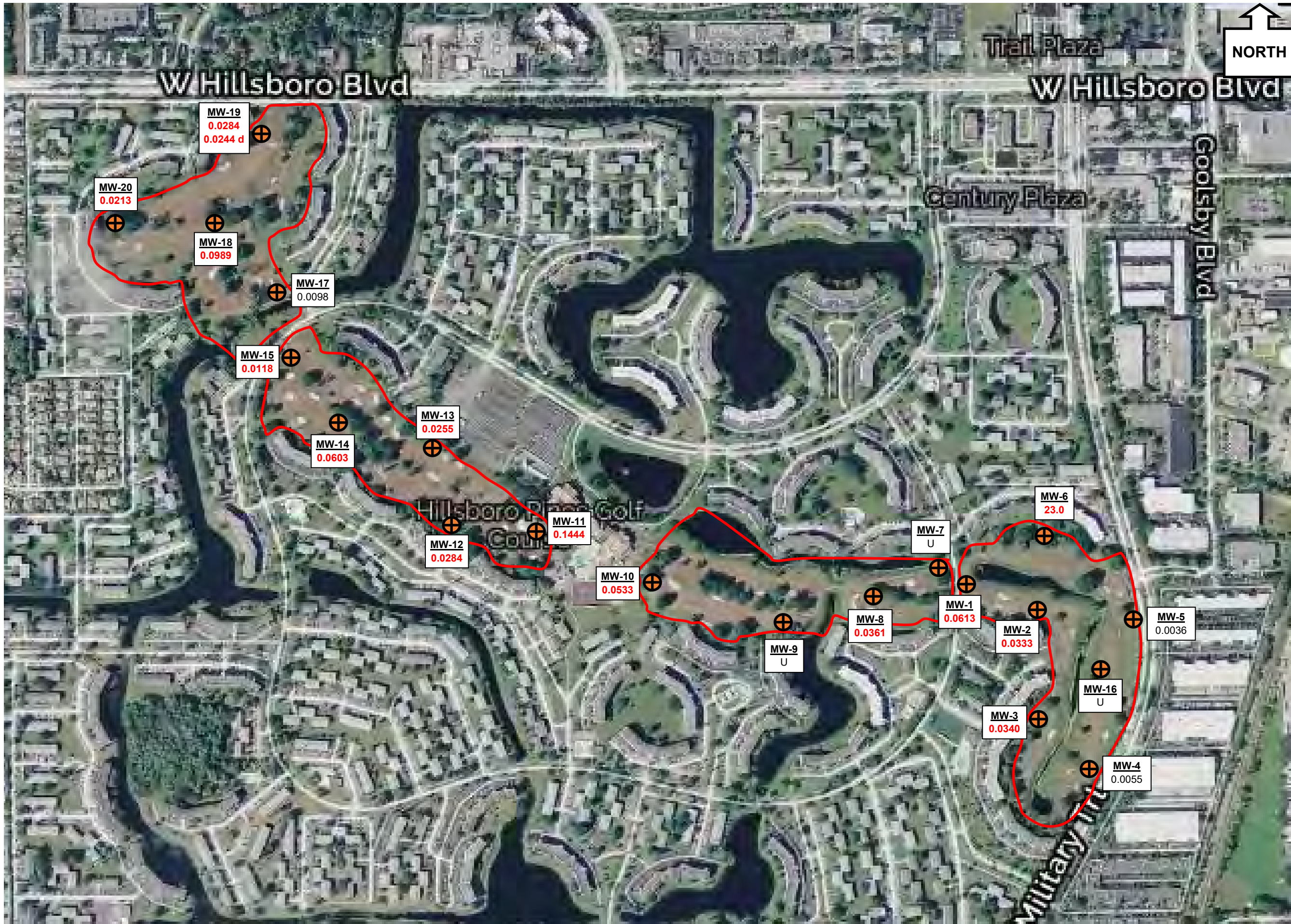


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Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Monitor Well Construction Diagram Not to Scale	Drawn By	Date:	May 22, 2017	Figure No.:
	ER	Job No.:	62102.01	



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Quarterly Monitoring Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

**Monitor Well Locations and
 First Quarter
 Groundwater Analytical Results**

Drawn By: ER
 Date: May 22, 2017
 Job No.: 62102.01

Figure No.: 4

LEGEND

- ⊕ Monitor Well Location
- Results presented in milligrams per liter (mg/l) aka parts per million (ppm)
- Arsenic GW standard: 0.010 mg/l
- **Red** denotes arsenic detected above the GW standard

Table 1 Monitor Well Boring Logs

BORING ID	DEPTH	LITHOLOGY
MW-1	0-3'	Medium gray to brown fine quartz sand
	3-4'	Medium brown to yellow fine quartz sand
	4-7'	Light gray to white fine quartz sand
	7-8'	Yellowish tan fine quartz sand
MW-2	0-7'	Medium gray to brown fine quartz sand
	7-8'	Yellowish brown fine quartz sand
MW-3	0-3'	Medium gray to brown fine quartz sand
	3-7'	Light gray to tan fine quartz sand
	7-8'	Dark brown to ochre fine quartz sand
MW-4	0-2'	Medium gray to brown fine quartz sand
	2-5'	Tan fine quartz sand
	5-6'	Brown fine quartz sand
	6-7'	Dark brown to ochre fine quartz sand
	7-8'	Tan fine quartz sand
MW-5	0-3'	Medium brown fine quartz sand
	3-9'	Light gray fine quartz sand
	9-12'	Light gray to tan fine quartz sand with lime mud at bottom
MW-6	0-4'	Medium brown to gray fine quartz sand (hand auger used)
	4-8'	Medium brown to gray fine quartz sand
MW-7	0-3'	Medium brown to gray fine quartz sand
	3-6'	Medium gray fine quartz sand
	6-8'	Dark brown to ochre fine quartz sand
MW-8	0-3'	Medium brown to gray fine quartz sand
	3-6'	Light gray to tan fine quartz sand
	6-8'	Dark brown fine quartz sand
MW-9	0-3'	Medium brown to gray fine quartz sand
	3-6'	Light gray to tan fine quartz sand
	6-7'	Dark brown fine quartz sand
	7-8'	Light tan fine quartz sand
MW-10	0-3'	Medium tan to gray fine quartz sand
	3-7'	Light gray to tan fine quartz sand
	7-7.5'	Dark brown fine quartz sand
	7.5-8'	Medium tan fine quartz sand
MW-11	0-4'	Medium brown to gray fine quartz sand
	4-4.5'	Dark brown fine quartz sand
	4.5-7'	Light tan to gray fine quartz sand
	7-8'	Dark brown fine quartz sand
MW-12	0-2'	Medium brown to gray fine quartz sand
	2-6'	Light gray to tan fine quartz sand

	6-8'	Dark brown fine quartz sand
MW-13	0-3'	Medium brown to gray fine quartz sand
	3-7.5'	Light gray to tan fine quartz sand
	7.5-8'	Dark brown fine quartz sand
MW-14	0-5'	Medium brown to gray fine quartz sand
	5-8'	Light gray to tan fine quartz sand
MW-15	0-3'	Medium brown to gray fine quartz sand
	3-6'	Light brown to gray fine quartz sand
	6-8'	Dark brown fine quartz sand
MW-16	0-6'	Medium brown to gray fine quartz sand
	6-8'	Light gray to yellow fine quartz sand
	8-10'	Medium brown fine quartz sand
	10-12'	Light gray fine quartz sand
MW-17	0-5'	Medium brown to gray fine quartz sand
	5-7'	Light gray to tan fine quartz sand
	7-8'	Dark brown fine quartz sand
MW-18	0-6'	Medium brown to gray fine quartz sand
	6-8'	Dark brown fine quartz sand
	8-10'	Light gray laminated fine quartz sand
MW-19	0-6'	Medium tan to gray fine quartz sand
	6-7'	Medium tan fine quartz sand
	7-8'	Dark brown fine quartz sand
MW-20	0-7'	Medium brown to tan fine quartz sand
	7-8'	Light tan fine quartz sand

Table 2 Arsenic in Monitor Well Groundwater Samples (mg/l)

Monitor Well	Date Sampled	Groundwater Concentration (mg/L)	
		Total	Dissolved
MW-1	04/13/2017	0.0613	0.0618
MW-2	04/13/2017	0.0333	0.0295
MW-3	04/13/2017	0.0340	0.0333
MW-4	04/13/2017	0.0055	0.0031
MW-5	04/14/2017	0.0036 i	0.0025 i
MW-6	04/13/2017	0.0230	0.0142
MW-7	04/13/2017	0.000377 u	0.000377 u
MW-8	04/13/2017	0.0361	0.0316
MW-9	04/13/2017	0.000377 u	0.000377 u
MW-10	04/13/2017	0.0533	0.0478
MW-11	04/14/2017	0.1444	0.1564
MW-12	04/14/2017	0.0284	0.0306
MW-13	04/14/2017	0.0255	0.0320
MW-14	04/14/2017	0.0603	0.0692
MW-15	04/14/2017	0.0118	0.0066
MW-16	04/13/2017	0.000377 u	0.000377 u
MW-17	04/14/2017	0.0098	0.0119
MW-18	04/14/2017	0.0931	0.0989
MW-19	04/14/2017	0.0284	0.0234
MW-19 d	04/14/2017	0.0244	0.0247
MW-20	04/14/2017	0.0213	0.0145

All wells installed using *Geoprobe* drilling rig and pre-packed screens and risers

Bold = detected concentration greater than its FDEP GCTL of 0.010 milligrams per liter

mg/l = milligrams per liter (parts per million)

u = Reported value was analyzed but not detected above the laboratory method detection limit

i = reported value is between the laboratory method detection limit and the practical quantitation limit

d = denotes field duplicate



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
- Northwest
- St. Johns River
- South Florida
- Suwannee River
- DEP
- Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-281WP *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 5 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID _____

6. 2800 Century Blvd, Deerfield Beach

*Well Location - Address, Road Name or Number, City, ZIP _____

7.*County Broward *Section 2 Land Grant _____ *Township 48 *Range 42

8. Latitude _____ Longitude _____

9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification Abandonment

11.*Specify Intended Use(s) of Well(s):

<input type="checkbox"/> Domestic	<input type="checkbox"/> Landscape Irrigation	<input type="checkbox"/> Agricultural Irrigation	<input type="checkbox"/> Site Investigation
<input type="checkbox"/> Bottled Water Supply	<input type="checkbox"/> Recreation Area Irrigation	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Public Water Supply (Limited Use/DOH)	<input type="checkbox"/> Commercial/Industrial	<input type="checkbox"/> Nursery Irrigation	<input type="checkbox"/> Test
<input type="checkbox"/> Public Water Supply (Community or Non-Community/DEP)	<input type="checkbox"/> Golf Course Irrigation	<input type="checkbox"/> Earth-Coupled Geothermal	<input type="checkbox"/> HVAC Supply
<input type="checkbox"/> Class I Injection		<input type="checkbox"/> HVAC Return	

Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage

Remediation: Recovery Air Sparge Other (Describe) _____

Other (Describe) _____

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic

Horizontal Drilling Hydraulic Point (Direct Push) Other _____

13.*Measured Static Water Level _____ ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is _____ ft. Above/Below Land Surface *Flowing: Yes No

15.*Casing Material: Black Steel Galvanized PVC Stainless Steel Not Cased Other _____

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From _____ To _____ ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: Other (Explain) _____

From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

18.*Surface Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

19.*Primary Casing Diameter and Depth:

Dia <u>2</u> in. From <u>0</u> ft. To <u>5</u> ft. No. of Bags <u>1</u>	Seal Material (Check One):	<input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

20.*Liner Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

21.*Telescope Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine

Horsepower _____ Pump Capacity (GPM) _____

Pump Depth _____ ft. Intake Depth _____ ft.


23. Chemical Analysis (When Required):

Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm

Laboratory Test Field Test Kit

24. Water Well Contractor:

*Contractor Name Erim Fromm *License Number 11313 E-mail Address Jae@bellsouth.net

*Contractor's Signature  *Driller's Name (Print or Type) w smitherman

(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
 PHONE: (352) 796-7211 or (800) 423-1476
 WWW.SWFWMD.STATE.FL.US

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 3301 GUN CLUB ROAD
 WEST PALM BEACH, FL 33416-4680
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ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
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 9225 CR 49
 LIVE OAK, FL 32060
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 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
 (U.S. Highway 90, 10 miles west of Tallahassee)
 PHONE: (850) 539-5999
 WWW.NFWFMD.STATE.FL.US

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color	Grain Size (F, M, C)	Material
From	0	To	15	ft. Color tan	Grain Size (F, M, C) m.f	Material sands
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material
From		To		ft. Color	Grain Size (F, M, C)	Material

Comments: _____





STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
 - Northwest
 - St. Johns River
 - South Florida
 - Suwannee River
 - DEP
 - Delegated Authority (If Applicable)
- PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number **6-17-282WP** *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____
 2.*Number of permitted wells constructed, repaired, or abandoned **5** *Number of permitted wells not constructed, repaired, or abandoned **0**
 3.*Owner's Name **Fairway Investors LLC** 4.*Completion Date **4/6/17** 5. Florida Unique ID _____

6. **799 Century Blvd, Deerfield Beach**
 *Well Location - Address, Road Name or Number, City, ZIP _____

7.*County **Broward** *Section **2** Land Grant _____ *Township **46** *Range **42**

8. Latitude _____ Longitude _____
 9. Data Obtained From: _____ GPS _____ Map _____ Survey _____ Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: Construction _____ Repair _____ Modification _____ Abandonment
 11.*Specify Intended Use(s) of Well(s):
 Domestic _____ Landscape Irrigation _____ Agricultural Irrigation _____ Site Investigation
 Bottled Water Supply _____ Recreation Area Irrigation _____ Livestock _____ Monitoring
 Public Water Supply (Limited Use/DOH) _____ Nursery Irrigation _____ Test _____
 Public Water Supply (Community or Non-Community/DEP) _____ Commercial/Industrial _____ Earth-Coupled Geothermal
 Class I Injection _____ Golf Course Irrigation _____ HVAC Supply _____
 HVAC Return _____
 Class V Injection: _____ Recharge _____ Commercial/Industrial Disposal _____ Aquifer Storage and Recovery _____ Drainage
 Remediation: _____ Recovery _____ Air Sparge _____ Other (Describe) _____
 Other (Describe) _____

12.*Drill Method: _____ Auger _____ Cable Tool _____ Rotary _____ Combination (Two or More Methods) _____ Jetted _____ Sonic
 _____ Horizontal Drilling Hydraulic Point (Direct Push) _____ Other _____

13.*Measured Static Water Level **2** ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: _____ Yes _____ No

15.*Casing Material: _____ Black Steel _____ Galvanized PVC _____ Stainless Steel _____ Not Cased _____ Other _____

16.*Total Well Depth **15** ft. Cased Depth **5** ft. *Open Hole: From **0** To **0** ft. *Screen: From **5** To **15** ft. Slot Size .010
 17.*Abandonment: _____ Other (Explain) _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

18.*Surface Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

19.*Primary Casing Diameter and Depth:
 Dia **2** in. From **0** ft. To **5** ft. No. of Bags **1** Seal Material (Check One): Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

20.*Liner Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

21.*Telescope Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

22. Pump Type (If Known): _____ Centrifugal _____ Jet _____ Submersible _____ Turbine
 Horsepower _____ Pump Capacity (GPM) _____
 Pump Depth _____ ft. Intake Depth _____ ft.
 23. Chemical Analysis (When Required):
 Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
 _____ Laboratory Test _____ Field Test Kit

24. Water Well Contractor:
 *Contractor Name **Erin Fromm** *License Number **11313** E-mail Address **Jaee@bellsouth.net**

*Contractor's Signature _____ *Driller's Name (Print or Type) **w smitherman**
 (I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
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***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color	TAN	Grain Size (F, M, C)	M/F	Material
From	0	To	15	ft.	ft.	Color	TAN	Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material
From		To		ft.	ft.	Color		Grain Size (F, M, C) / Material

Comments: _____





STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
 - Northwest
 - St. Johns River
 - South Florida
 - Suwannee River
 - DEP
 - Delegated Authority (If Applicable) _____
- PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-280WP *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 4 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID _____

6. 451 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Broward *Section 2 Land Grant _____ *Township 46 *Range 42

8. Latitude _____ Longitude _____

9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification Abandonment

11.*Specify Intended Use(s) of Well(s):
 Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
 Bottled Water Supply Recreation Area Irrigation Livestock Monitoring
 Public Water Supply (Limited Use/DOH) Nursery Irrigation Test
 Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
 Class I Injection Golf Course Irrigation HVAC Supply
 HVAC Return
 Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
 Remediation: Recovery Air Sparge Other (Describe) _____
 Other (Describe) _____

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
 Horizontal Drilling Hydraulic Point (Direct Push) Other _____

13.*Measured Static Water Level 2 ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: Yes No

15.*Casing Material: Black Steel Galvanized PVC Stainless Steel Not Cased Other _____

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: Other (Explain) _____

From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other _____

18.*Surface Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____

19.*Primary Casing Diameter and Depth:
 Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____

20.*Liner Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____

21.*Telescope Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): Neat Cement Bentonite Other _____

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine

Horsepower _____ Pump Capacity (GPM) _____

Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
 Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
 Laboratory Test Field Test Kit

24. Water Well Contractor:
 *Contractor Name Erin Fromm *License Number 11313 E-mail Address Jaee@bellsouth.net
 *Contractor's Signature *Driller's Name (Print or Type) w smitherman
 (I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
 PHONE: (352) 796-7211 or (800) 423-1476
 WWW.SWFWMD.STATE.FL.US

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 P.O. BOX 24680
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FL 33416-4680
 PHONE: (561) 686-8800
 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
 9225 CR 49
 LIVE OAK, FL 32060
 PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
 WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From 0 _____ ft.	To 15 _____ ft.	Color TAN _____	Grain Size (F, M, C) _____	M/F _____	Material SAND _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____
From _____ ft.	To _____ ft.	Color _____	Grain Size (F, M, C) _____	M/F _____	Material _____

Comments:





STATE OF FLORIDA WELL COMPLETION REPORT

- Southwest
- Northwest
- St. Johns River
- South Florida
- Suwannee River
- DEP
- Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
 (*Denotes Required Fields Where Applicable)

Date Stamp _____

Official Use Only

1.*Permit Number **6-17-279WP** *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____
 2.*Number of permitted wells constructed, repaired, or abandoned **7** *Number of permitted wells not constructed, repaired, or abandoned **0**
 3.*Owner's Name **Fairway Investors LLC** 4.*Completion Date **4/6/17** 5. Florida Unique ID _____

6. **450 Century Blvd, Deerfield Beach**
 *Well Location - Address, Road Name or Number, City, ZIP _____

7.*County **Broward** *Section **2** Land Grant _____ *Township **46** *Range **42**

8. Latitude _____ Longitude _____
 9. Data Obtained From: _____ GPS _____ Map _____ Survey _____ Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: Construction _____ Repair _____ Modification _____ Abandonment
 11.*Specify Intended Use(s) of Well(s):
 Domestic _____ Landscape Irrigation _____ Agricultural Irrigation _____ Site Investigation
 Bottled Water Supply _____ Recreation Area Irrigation _____ Livestock _____ Monitoring
 Public Water Supply (Limited Use/DOH) _____ Nursery Irrigation _____ Test _____
 Public Water Supply (Community or Non-Community/DEP) _____ Commercial/Industrial _____ Earth-Coupled Geothermal
 Class I Injection _____ Golf Course Irrigation _____ HVAC Supply _____
 Class V Injection: _____ Recharge _____ Commercial/Industrial Disposal _____ Aquifer Storage and Recovery _____ Drainage
 Remediation: _____ Recovery _____ Air Sparge _____ Other (Describe) _____
 Other (Describe) _____

12.*Drill Method: _____ Auger _____ Cable Tool _____ Rotary _____ Combination (Two or More Methods) _____ Jetted _____ Sonic
 _____ Horizontal Drilling Hydraulic Point (Direct Push) _____ Other _____

13.*Measured Static Water Level **2** ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM
 14.*Measuring Point(Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: _____ Yes _____ No

15.*Casing Material: _____ Black Steel _____ Galvanized PVC _____ Stainless Steel _____ Not Cased _____ Other _____
 16.*Total Well Depth **15** ft. Cased Depth **5** ft. *Open Hole: From **0** To **0** ft. *Screen: From **5** To **15** ft. Slot Size **.010**

17.*Abandonment: _____ Other (Explain) _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

18.*Surface Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

19.*Primary Casing Diameter and Depth:
 Dia **2** in. From **0** ft. To **5** ft. No. of Bags **1** Seal Material (Check One): Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

20.*Liner Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

21.*Telescope Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

22. Pump Type (If Known): _____ Centrifugal _____ Jet _____ Submersible _____ Turbine
 Horsepower _____ Pump Capacity (GPM) _____
 Pump Depth _____ ft. Intake Depth _____ ft.
 23. Chemical Analysis (When Required):
 Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
 _____ Laboratory Test _____ Field Test Kit

24. Water Well Contractor:
 *Contractor Name **Erin Fromm** *License Number **11313** E-mail Address **Jaee@bellsouth.net**

*Contractor's Signature _____ *Driller's Name (Print or Type) **w smitherman**
 (I certify that the information provided in this report is accurate and true.)



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15405
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward G. Rahnig, P.C., LLC</u>										LAB ANALYSIS										Matrix Codes																				
Address: <u>632 SW Aster Rd.</u>										pH										SD Solid Waste			OI Oil																	
City: <u>Port St. Lucie</u> State <u>FL</u> Zip: <u>34953</u>										PRES CODE										GW Ground Water			SI Sludge																	
Attn: <u>Edward Rahnig</u> Phone#: <u>561 7384667</u>										Parameters <u>As-total</u> <u>As-dissolved</u> <u>4/13/17 PS</u> <u>pH As total</u>										EFF Effluent			SO Soil Sediment																	
email: <u>Edrahnig@comcast.net</u>																				AFW Analyte Free H2O			AQ Aqueous																	
Project Name: <u>Hillsboro Pines GC</u> Proj#: <u>62102.01</u>																				WW Waste Water			NA Nonaqueous																	
Sampler Signature / Name: <u>Ed Rahnig</u>																				DW Drinking Water			O Other (Please Specify)																	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes																						
1	MW-1	4/13/17	0908	GW			2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	A. None	E. HCL	O. Other																				
2	MW-2		0935					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	B. HNO3	F. MeOH																					
3	MW-3		1007					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	C. H2SO4	G. Na2S2O3																					
4	MW-4		1040					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	D. NaOH	I. Ice																					
5	MW-16		1110					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
6	MW-6		1143					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
7	MW-7		1257					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
8	MW-8		1340					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
9	MW-9		1419					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
10	MW-10		1500					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
TAT Request										QA/QC Report Level										COC OK			Initials																	
Standard					RUSH					None					1					2					3					Other					(Y) N			PS		
Y/N		24 Hour		48 Hour		Date		Due																																
Item	Requested by	Affiliation		Date	Time	Received By		Affiliation	Date	Time											Lab Use Only																			
	<u>Ed Rahnig</u>	<u>Ed Rahnig</u>		<u>4/13/17</u>	<u>17:35</u>	<u>Paul</u>		<u>PBEL</u>	<u>4/13/17</u>	<u>17:35</u>											Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			
																					Received on Wet Ice? Temp <u>2°C</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			
																					Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			
																					Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			
																					Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			
																					Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			
																					Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A																			



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015405

April 20, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-1

Lab ID: 0015405-01

Sampled: 04/13/17 09:08

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0618		mg/L	EPA 6020	1	0.000377	0.005	04/17/17		04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0613		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17		04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-2	Lab ID: 0015405-02	Sampled: 04/13/17 09:35
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0295		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0333		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 FAX: -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-3

Lab ID: 0015405-03

Sampled: 04/13/17 10:07

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.0333		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.0340		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-4

Lab ID: 0015405-04

Sampled: 04/13/17 10:40

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0031	I	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0055		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-16 **Lab ID:** 0015405-05 **Sampled:** 04/13/17 11:10
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-6	Lab ID: 0015405-06	Sampled: 04/13/17 11:43
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0142		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0230		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-7	Lab ID: 0015405-07	Sampled: 04/13/17 12:57
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-8

Lab ID: 0015405-08

Sampled: 04/13/17 13:40

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0316		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0361		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-9	Lab ID: 0015405-09	Sampled: 04/13/17 14:19
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-10

Lab ID: 0015405-10

Sampled: 04/13/17 15:00

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0478		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0533		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15413

PO #:

Quote #:

FDEP:

LAB ANALYSIS

Company Name:	Edward & Lattie, P.L.L.C.			PH	PRES CODE	LAB ANALYSIS	
	Address:	632 SW Astor Rd				As total	As dissolved
City:	Pompano Beach	State:	FL	Zip:	334053	Time	17:25
Attm:	Ed Rahrig	Phone#:	904-7384467	Received By	Dawson	Date	4/14/17
email:		Fax#:		Affiliation	P&E	Time	17:25
Project Name:	Hillsboro Pines	Proj#:	62102.01	Initials	ER	Lab Use Only	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
Sampler Signature:	[Signature]	Sampler Name:	Ed Rahrig	Matrix Codes		Sample (IN)TACT upon arrival?	<input checked="" type="checkbox"/>
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Intensity OK	Total # of containers
01	MW-5	4/14/17	0945	GW			2
02	MW-11		1033				
03	MW-12		1110				
04	MW-13		1149				
05	MW-14		1132				
06	MW-15		1306				
07	MW-17		1415				
08	MW-18		1446				
09	MW-19		1516				
10	MW-19d		1517				
Standard	MW-20		1553				



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015413

April 25, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-5	Lab ID: 0015413-01	Sampled: 04/14/17 09:45
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0025	I	mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0036	I	mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-11

Lab ID: 0015413-02

Sampled: 04/14/17 10:33

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.1564		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.1444		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-12

Lab ID: 0015413-03

Sampled: 04/14/17 11:10

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0306		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-13

Lab ID: 0015413-04

Sampled: 04/14/17 11:47

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0320		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0255		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-14	Lab ID: 0015413-05	Sampled: 04/14/17 11:32
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0692		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0603		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-15	Lab ID: 0015413-06	Sampled: 04/14/17 13:06
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0066		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0118		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-17 **Lab ID:** 0015413-07 **Sampled:** 04/14/17 14:15
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0119		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0098		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-18

Lab ID: 0015413-08

Sampled: 04/14/17 14:46

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0931		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0989		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-19

Lab ID: 0015413-09

Sampled: 04/14/17 15:16

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0234		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-19d **Lab ID:** 0015413-10 **Sampled:** 04/14/17 15:17
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0247		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0244		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-20

Lab ID: 0015413-11

Sampled: 04/14/17 15:53

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0145		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0213		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL	
WELL NO: MW-1	SAMPLE ID: SAME AS WELL NO.	DATE: 20 April 2019

PURGING DATA											
WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.7 feet to 14.7 feet	STATIC DEPTH TO WATER (feet): 7.99'	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = () feet - () feet X () gallons/foot = () gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME = () gallons + () gallons/foot X () feet + () gallons = () gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 08:58	PURGING ENDED AT: 09:08	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0903	1.0	1.0	0.2	8.04	7.08	26.3	426.3	3.5	3.39	CLR	None
0906	0.5	1.5	0.2	8.04	7.09	26.3	430.2	2.4	2.73	CLR	None
0908	0.5	2.0	0.2	8.04	7.09	26.4	431.6	2.0	3.21	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA											
SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 0908		SAMPLING ENDED AT: 0912	
PUMP OR TUBING DEPTH IN WELL (feet): 10.0				TUBING MATERIAL CODE: PE				FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)						DUPLICATE: <input checked="" type="checkbox"/> N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gals. per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-1	1	PE	100 ML	NONE	—		AS	PP	0.2		
MW-1	1	PE	100 ML	HNO3	—		AS	PP	0.2		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-2	SAMPLE ID: SAME AS WELL NO.
DATE: 13 April 2017	

PURGING DATA

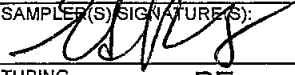
WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH 4.66 feet to 14.66 feet	STATIC DEPTH TO WATER (feet): 8.33	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.33	PURGING INITIATED AT: 0926	PURGING ENDED AT: 0935	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0926	1.0	1.0	0.22	8.38	6.83	26.6	693	6.6	5.42	CLR	None
0933	0.5	1.5	0.22	8.38	6.83	26.5	701	2.3	3.29	CLR	None
0935	0.5	2.0	0.22	8.38	6.83	26.6	703	2.0	2.81	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG		SAMPLE(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0935	SAMPLING ENDED AT: 0940
PUMP OR TUBING DEPTH IN WELL (feet): 10.33		TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N		TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-2	1	PE	100 ML	NONE	~		AS	PP	0.22
MW-2	1	PE	100 ML	HNO3	~		AS	PP	0.22

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-3	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

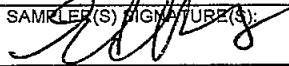
PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.68 feet to 14.68 feet	STATIC DEPTH TO WATER (feet): 7.64	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.64	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.64	PURGING INITIATED AT: 0952	PURGING ENDED AT: 1007	TOTAL VOLUME PURGED (gallons): 3.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0956	1.0	1.0	0.2	7.72	6.76	26.3	776	1.4	31.8	CLK	None
1001	1.0	2.0	0.2	7.72	6.76	26.3	771	0.9	16.0	CLK	None
1004	0.5	2.5	0.2	7.72	6.76	26.1	767	0.7	9.36	CLK	None
1007	0.5	3.0	0.2	7.72	6.76	26.4	762	0.6	8.08	CLK	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1007	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 9.64	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-3	1	PE	100 ML	NONE	=		AS	PP	0.2
MW-3	1	PE	100 ML	HNO3	=		AS	PP	0.2

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-4	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

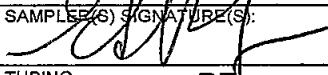
WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.68 feet	STATIC DEPTH TO WATER (feet): 8.18	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.18	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 2.5
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1032	1.0	1.0	0.18	8.30	7.54	23.8	677	5.2	26.5	CLR	None
1034	0.5	1.5	↓	8.30	7.54	23.7	676	2.0	17.8	CLR	None
1036	0.5	2.0	↓	8.30	7.54	23.8	675	1.2	12.6	CLR	None
1040	0.5	2.5	↓	8.30	7.54	23.7	674	0.8	11.4	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLE(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1045
PUMP OR TUBING DEPTH IN WELL (feet): 10.18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-4	1	PE	100 ML	NONE			AS	PP	0.18
MW-4	1	PE	100 ML	HNO3			AS	PP	0.18

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-5	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 17.72 feet to 17.72 feet	STATIC DEPTH TO WATER (feet): 10.08	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	PURGING INITIATED AT: 0937	PURGING ENDED AT: 0945	TOTAL VOLUME PURGED (gallons): 4.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or (S/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0922	1.0	1.0	0.13	10.18	7.56	25.4	739	2.4	96.9	CLDY	None
0929	1.0	2.0	↓	10.18	7.54	25.5	737	1.8	78.8	CLDY	None
0937	1.0	3.0	↓	10.18	7.54	25.4	733	1.4	21.9	CLDY	None
0945	1.0	4.0	↓	10.18	7.52	25.5	736	1.2	8.78	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 0945	SAMPLING ENDED AT: 0955
PUMP OR TUBING DEPTH IN WELL (feet): 12.08	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <input type="text"/> μ m
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-5	1	PE	100 ML	NONE	-		AS	PP	0.13
MW-5	1	PE	100 ML	HNO3	-		AS	PP	0.13

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-6	SAMPLE ID: SAME AS WELL NO.
DATE: 13 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.67 feet to 14.67 feet	STATIC DEPTH TO WATER (feet): 9.29	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.29	PURGING INITIATED AT: 1131	PURGING ENDED AT: 1143	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:28											
1141	1.0	1.0	0.17	9.38	6.92	25.8	897	1.5	8.00	CLR	None
1140	0.5	1.5	↓	9.38	6.93	25.8	883	0.9	5.23	CLR	None
1143	0.5	2.0	↓	9.38	6.93	25.8	873	0.8	4.42	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG		SAMPLER(S) / SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: 1150				
PUMP OR TUBING DEPTH IN WELL (feet): 11.29		TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ µm					
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N		TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-6	1	PE	100 ML	NONE	-		AS	PP	0.17
MW-6	1	PE	100 ML	HNO3	-		AS	PP	0.17
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-7	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 3.59 feet to 13.59 feet	STATIC DEPTH TO WATER (feet): 6.73	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.73	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.73	PURGING INITIATED AT: 1244	PURGING ENDED AT: 1257	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1249	1.0	1.0	0.15	6.78	7.24	23.6	718	0.3	16.1	CLR	None
1253	0.5	1.5	↓	6.78	7.23	23.5	719	0.2	13.3	CLR	None
1257	0.5	2.0	↓	6.78	7.24	23.7	720	0.3	6.59	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1257		SAMPLING ENDED AT: 1305	
PUMP OR TUBING DEPTH IN WELL (feet): 8.73			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-7	1	PE	100 ML	NONE	-		AS	PP	0.15
MW-7	1	PE	100 ML	HNO3	-		AS	PP	0.15
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-8	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA **7.40**

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.38	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.40	PURGING INITIATED AT: 1317	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1322	1.0	1.0	0.17	7.50	6.80	26.0	608	2.6	43.8	CLDY	None
1328	1.0	2.0	↓	7.50	6.79	25.9	611	1.0	54.6	CLDY	None
1334	1.0	3.0	↓	7.50	6.80	26.0	611	0.6	21.5	CLDY	None
1340	1.0	4.0	↓	7.5	6.80	25.9	611	0.6	10.4	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 9.40	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-8	1	PE	100 ML	NONE	—		AS	PP	0.17
MW-8	1	PE	100 ML	HNO3	—		AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-9	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.62 feet to 11.62 feet	STATIC DEPTH TO WATER (feet): 6.58	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	PURGING INITIATED AT: 1355	PURGING ENDED AT: 1419	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1400	1.0	1.0	0.17	6.62	7.26	24.7	472.1	9.8	3.46	CLR	None
1406	1.0	2.0		6.62	7.28	24.7	468.0	1.7	30.1	CLR	None
1412	1.0	3.0		6.62	7.27	24.8	468.4	0.5	12.5	CLR	None
1416	0.5	3.5		6.62	7.27	24.7	469.7	0.4	10.6	CLR	None
1419	0.5	4.0		6.62	7.26	24.7	470.0	0.4	8.12	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1419	SAMPLING ENDED AT: 1430
PUMP OR TUBING DEPTH IN WELL (feet): 8.58	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-9	1	PE	100 ML	NONE			AS	PP	0.17
MW-9	1	PE	100 ML	HNO3			AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-10	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.64 feet to 14.64 feet	STATIC DEPTH TO WATER (feet): 7.03	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.03	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.03	PURGING INITIATED AT: 1433	PURGING ENDED AT: 1500	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1445	1.5	1.5	0.15	7.08	6.92	26.6	540	1.2	53.4	CLDY	None
1448	0.5	2.0	↓	7.08	6.91	26.8	538	0.8	30.3	CLDY	None
1453	1.0	3.0	↓	7.08	6.90	26.7	535	0.6	18.3	CLDY	None
1500	1.0	4.0	↓	7.08	6.90	26.8	534	0.4	11.3	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLED BY SIGNATURE(S):	SAMPLING INITIATED AT: 1500	SAMPLING ENDED AT: 1575
PUMP OR TUBING DEPTH IN WELL (feet): 9.03	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <input type="text"/> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-10	1	PE	100 ML	NONE	—	—	AS	PP	0.15 gpm
MW-10	1	PE	100 ML	HNO3	—	—	AS	PP	0.15

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

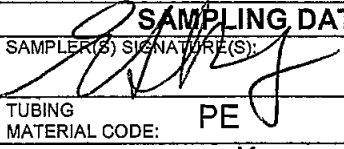
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-11	SAMPLE ID: SAME AS WELL NO. DATE: 14 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.48'	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.48	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.48	PURGING INITIATED AT: 1008	PURGING ENDED AT: 1033	TOTAL VOLUME PURGED (gallons): 4.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (μS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1014	1.0	1.0	0.16	8.62	6.64	26.6	286	2.5	60.3	yellow	None
1020	1.0	2.0	↓	8.62	6.57	26.6	275	1.2	61.1	yellow	None
1026	1.0	3.0	↓	8.67	6.52	26.6	262	1.3	67.9	yellow	None
1033	1.0	4.0	↓	8.67	6.47	26.6	250	1.3	62.2	yellow	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1033		SAMPLING ENDED AT: 1040	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gpm per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-11	1	PE	100 ML	NONE	✓		AS	PP	0.16	
MW-11	1	PE	100 ML	HNO3	✓		AS	PP	0.16	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-12	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.68 feet to 14.68 feet	STATIC DEPTH TO WATER (feet): 6.41	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.41	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.41	PURGING INITIATED AT: 1048	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	1.0	1.0	0.18	6.48	6.00	25.1	136.7	1.1	199	yellow	None
1059	1.0	2.0		6.48	6.02	25.1	143.4	0.6	224	Brn CLDY	None
1105	1.0	3.0		6.48	6.04	25.1	145.4	0.5	247	Brn CLDY	None
1110	1.0	3.0		6.48	6.03	25.1	148.9	0.7	279	Brn CLDY	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 8.41	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: ___ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL-per minute) <i>gpm</i>
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-12	1	PE	100 ML	NONE	✓		AS	PP	0.18
MW-12	1	PE	100 ML	HNO3	✓		AS	PP	0.18

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-13	SAMPLE ID: SAME AS WELL NO. DATE: 14 Apr. 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH (feet to feet): 4.66 to 4.66	STATIC DEPTH TO WATER (feet): 7.90	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.90	PURGING INITIATED AT: 1123	PURGING ENDED AT: 1147	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1124	1.0	1.0	0.17	7.96	5.50	25.4	340.2	1.7	130	Brn Cldy	None
1136	1.0	2.0	↓	7.96	5.50	25.4	339.1	0.9	223	Brn Cldy	None
1141	1.0	3.0	↓	7.96	5.50	25.3	338.4	0.8	120	Brn Cldy	None
1147	1.0	4.0	↓	7.96	5.50	25.4	338.9	0.7	115	Brn Cldy	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1155
PUMP OR TUBING DEPTH IN WELL (feet): 9.90	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-13	1	PE	100 ML	NONE	—		AS	PP	0.17
MW-13	1	PE	100 ML	HNO3	—		AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-14	SAMPLE ID: SAME AS WELL NO.
DATE: 14 Apr. 2017	

4.60 PURGING DATA 14.60 gal

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH (feet) to 14.60	STATIC DEPTH TO WATER (feet): 9.12	PURGE PUMP TYPE OR BAILER: PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (**4.60** feet - **9.12** feet) X **1.5** gallons/foot = **6.93** gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = **1.0** gallons + (**0.25** gallons/foot X **14.60** feet) + **0.0** gallons = **4.65** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	PURGING INITIATED AT: 1706	PURGING ENDED AT: 1132	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <small>µmhos/cm or µS/cm</small>	DISSOLVED OXYGEN (circle units) <small>mg/L or % saturation</small>	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1113	1.0	1.0	0.16	9.30	6.19	26.4	194.7	0.9	222	brn clay	None
1118	1.0	2.0	↓	9.30	6.17	26.4	194.4	0.7	207	brn clay	None
1125	1.0	3.0	↓	9.30	6.14	26.4	191.7	1.0	209	brn clay	None
1132	1.0	4.0	↓	9.30	6.11	26.6	187.7	1.1	197	brn clay	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA	
SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>
PUMP OR TUBING DEPTH IN WELL (feet): 11.12	SAMPLING INITIATED AT: 1132
TUBING MATERIAL CODE: PE	SAMPLING ENDED AT:
FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)
DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-14	1	PE	100 ML	NONE	—		AS	PP	0.16
MW-14	1	PE	100 ML	HNO3	—		AS	PP	0.16

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-15	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.66 feet to 19.66 feet	STATIC DEPTH TO WATER (feet): 6.44	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.44	PURGING INITIATED AT: 1245	PURGING ENDED AT: 1306	TOTAL VOLUME PURGED (gallons): 4.6							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1250	1.0	1.0	0.19	6.34	6.60	26.5	405.9	1.3	317	brn cloudy	None
1256	1.0	2.0	↓	6.54	6.64	26.5	391.0	0.5	237	brn cloudy	None
1300	1.0	3.0	↓	6.54	6.62	26.4	375.2	0.4	170	brn cloudy	None
1306	1.0	4.0	↓	6.54	6.59	26.3	360.2	0.2	157	brn cloudy	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1306	SAMPLING ENDED AT: 1315
PUMP OR TUBING DEPTH IN WELL (feet): 8.44	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm

FIELD DECONTAMINATION: PUMP N TUBING N (replaced) DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-15	1	PE	100 ML	NONE	~		AS	PP	0.19
MW-15	1	PE	100 ML	HNO3	~		AS	PP	0.19

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-16	SAMPLE ID: SAME AS WELL NO. DATE: 13 Apr 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 8.64 feet to 18.64 feet	STATIC DEPTH TO WATER (feet): 10.62	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.62	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.62	PURGING INITIATED AT: 1157	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1103	1.0	1.0	0.15	10.68	7.36	23.8	732	1.8	10.6	CUR	None
1107	0.5	1.5	↓	10.68	7.38	23.7	729	1.2	7.33	CUR	None
1110	0.5	2.0	↓	10.68	7.38	23.9	725	1.1	6.01	CUR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1115
PUMP OR TUBING DEPTH IN WELL (feet): 12.62	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-16	1	PE	100 ML	NONE	~		AS	PP	0.15 gpm
MW-16	1	PE	100 ML	HNO3			AS	PP	0.15

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
 Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-17	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet 14.66	STATIC DEPTH TO WATER (feet): 6.96	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.96	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.96	PURGING INITIATED AT: 1404	PURGING ENDED AT: 1415	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1408	1.0	1.0	0.18	7.10	6.73	26.7	383.5	2.4	9.65	CLR	None
1412	0.5	1.5	↓	7.10	6.65	26.8	374.5	1.4	9.66	CLR	None
1415	0.5	2.0	↓	7.10	6.62	26.7	372.6	1.1	9.69	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT: 1415		SAMPLING ENDED AT: 1430	
PUMP OR TUBING DEPTH IN WELL (feet): 8.96				TUBING MATERIAL CODE: PE				FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-17	1	PE	100 ML	NONE	—		AS		PP		
MW-17	1	PE	100 ML	HNO3	—		AS		PP		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-18	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.56 feet to 19.56 feet	STATIC DEPTH TO WATER (feet): 10.99	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.99	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.99	PURGING INITIATED AT: 1431	PURGING ENDED AT: 1446	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1438	1.0	1.0	0.13	11.05	7.04	26.5	667	1.3	16.9	CLR	None
1442	0.5	1.5	↓	11.05	7.03	26.7	666	1.0	12.5	CLR	None
1446	0.5	2.0	↓	11.05	7.01	26.7	663	0.8	8.69	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1446	SAMPLING ENDED AT: 1500
PUMP OR TUBING DEPTH IN WELL (feet): 12.99	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N ("replaced")	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-18	1	PE	100 ML	NONE	-		AS	PP	0.13
MW-18	1	PE	100 ML	HNO3	-		AS	PP	0.13

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-19/MW-19d	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.64 to 19.64 feet	STATIC DEPTH TO WATER (feet): 6.58	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	PURGING INITIATED AT: 1505	PURGING ENDED AT: 1516	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1509	1.0	1.0	0.18	6.62	7.25	24.3	373.0	1.8	7.57	CLR	None
1512	0.5	1.5	↓	6.62	7.24	24.3	376.5	1.0	8.61	CLR	None
1516	0.5	2.0	↓	6.62	7.23	24.2	377.1	0.7	8.46	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1516	SAMPLING ENDED AT: 1535
PUMP OR TUBING DEPTH IN WELL (feet): 8.58	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-19	2	PE	100 ML	NONE	✓		AS	PP	0.18
MW-19	2	PE	100 ML	HNO3	✓		AS	PP	0.18

REMARKS: **MW-19d is a field duplicate**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-20	SAMPLE ID: SAME AS WELL NO. DATE: 14 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.6 feet to 14.6 feet	STATIC DEPTH TO WATER (feet): 5.35	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.35	PURGING INITIATED AT: 1530	PURGING ENDED AT: 1535	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1535	1.0	1.0	0.17	5.42	7.11	24.7	581	1.5	197	CUY	None
1540	1.0	2.0	↓	5.42	7.07	24.8	520	0.8	92.2	CUY	None
1546	1.0	3.0	↓	5.42	7.05	24.8	520	0.7	29.9	CUY	None
1553	1.0	4.0	↓	5.42	7.05	24.9	516	0.6	18.5	CUY	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1553	SAMPLING ENDED AT: 1610
PUMP OR TUBING DEPTH IN WELL (feet): 7.35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <u> </u> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mls per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-20	1	PE	100 ML	NONE	~		AS	PP	0.17
MW-20	1	PE	100 ML	HNO3	✓		AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009



Edward G. Rahrig, P.G. LLC
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Mr. Stuart J. Gordon, P.E.
Toll Brothers Land Development
3970 West Indiantown Road
Jupiter, Florida 33478

November 20, 2017

**Subject: Site Assessment Report
Former Hillsboro Pines Golf Club (aka Deerfield Crossings)
450, 451, 2799, 2800, and 2801 Century Boulevard, Deerfield Beach, Florida**

Dear Mr. Gordon:

Edward G. Rahrig, P.G. LLC is pleased to present this Site Assessment Report (SAR) documenting the results of soil and groundwater sampling and analysis performed at the former Hillsboro Pines Golf Club (the “Subject property” or “site”). The Subject property is a fallow golf course located within an existing over-55 residential community known as Century Village in the city of Deerfield Beach, Broward County, Florida. The former golf course is comprised of five contiguous parcels located at 450, 451, 2799, 2800, and 2801 Century Boulevard, Deerfield Beach (Broward County), Florida. The Subject property is depicted on Figure 1 (Appendix A). In this SAR, the parcels are referred to as Parcel 1 (western-most parcel) through Parcel 5 (eastern-most parcel). Parcel 4 is divided into two portions referred to as Parcel 4 West and Parcel 4 East, the western and eastern portions of Parcel 4, respectively.

The SAR summarizes soil and groundwater conditions at the five parcels comprising the Subject property. Submittal of the SAR was requested by the Broward County Environmental Protection and Growth Management Department, Environmental Engineering and Permitting Division, Environmental Assessment and Remediation Section (the “County”) in support of a proposed real estate transaction and redevelopment of the Subject property into a recreational park (Parcels 1 through 4 West), stormwater improvements (Parcel 4 East), and a residential community (Parcel 5). Site assessment work was performed under three Broward County Environmental Assessment and Remediation (EAR) licenses: EAR License #1283 (Parcels 1, 2, and 3), EAR License #1282 (Parcel 4 West and East), and EAR License #1281 (Parcel 5). Copies of the EAR Licenses are contained in Appendix C.

1.0 INTRODUCTION

1.1 Prior Reports by Others

Prior Phase I and II Environmental Site Assessments (ESAs) prepared for the Subject by others (copies not provided) identified historical use of the Subject property as a golf course from the early 1970's to April 2013, when the golf course was permanently closed. According to these ESAs, no indication of pesticide, herbicide, or petroleum storage or mixing operations at the Subject property were reported. The current owner of the five parcels stated all chemical storage and mixing activity was performed at the golf course Clubhouse facility, which is located on property north of the Subject (and not part of redevelopment covered by this SAR).

The prior ESAs noted pesticides and herbicides, including arsenic derived from monosodium methyl arsenate (MSMA), were routinely applied to the golf course, and residuals of these products were suspected to persist in site soil and groundwater. Based on the potential such residuals may be present, Phase II soil and groundwater sampling and analysis was performed in 2014 (EE&G 2014; GFA 2014). Analytical results confirmed the presence of arsenic from the use of MSMA in soil and groundwater at the Subject property. In some cases, arsenic was detected at concentrations greater than its Florida Department of Environmental Protection (FDEP) soil and groundwater Cleanup Target Level (SCTL/GCTL).

The EE&G Phase II reported arsenic in 122 of 200 (61%) soil samples at a concentration greater than its residential SCTL. The detected maximum soil concentration was reported to be 44.2 milligrams per kilogram (mg/kg), and the maximum detected groundwater concentration was reported to be 0.361 milligrams per liter (mg/L).

The GFA draft Phase II, which split samples with EE&G, reported arsenic in 25 of 40 (63%) samples at a concentration greater than its residential SCTL. The detected maximum soil concentration was reported to be 44.7 mg/kg, and the maximum detected groundwater concentration was reported to be 0.377 mg/L.

1.2 Preliminary Background Site Assessment Report

In order to determine current soil and groundwater conditions at the Subject property, Edward G. Rahrig, P.G. LLC prepared a preliminary Background Site Assessment Report (pBSAR) on behalf of a potential buyer. Field work was performed in January and February of 2017. Twelve (12) soil borings (B-1 through B-12) were advanced using

Geoprobe direct push technology. Borings were advanced at representative playing surface locations (e.g. tees, fairways, and greens), evenly distributed across the Subject property. A total of 80 soil grab samples were collected from the twelve borings, at depths of 0.5, 2, 4, 6, 8, 10, and 15 feet below grade and analyzed for total arsenic. Soil samples from the 0.5, 2, and 4 foot depth intervals were also analyzed for organochlorine pesticides. Groundwater grab samples were collected from each of the twelve borings and analyzed for total and dissolved arsenic and organochlorine pesticides. Soil and groundwater analytical results are discussed below.

Arsenic was detected in 23 of 80 (29%) soil grab samples at a concentration greater than its FDEP residential SCTL of 2.1 milligrams per kilogram (mg/kg). Organochlorine pesticides in the form of chlordane, dieldrin, and toxaphene were also detected in 8 of 80 soil grab samples at a concentration greater than their respective FDEP SCTLs.

Soil grab sample analytical results in the pBSAR are summarized in Table 1 (Appendix B). Arsenic concentrations ranged from below the method detection limit (MDL) to a maximum of 23 mg/kg (B-10-0.5). The average arsenic concentration ranged from 6.7 mg/kg at 0.5 feet in depth to 0.17 mg/kg at 10 feet. Arsenic concentrations are generally highest at depth 0.5 feet and decrease with depth. This arsenic concentration distribution versus depth is consistent with that expected from the surface application of MSMA in accordance with label directions. [A slight increase in average arsenic concentration was noted for samples collected at depth 15 feet. This anomalous observation is believed to be associated with soil samples collected from, at, or in close proximity to a hardpan layer near the top of the historic groundwater table.] Detected arsenic concentrations measured in collected soil samples are deemed representative of site conditions. Consequently, arsenic soil analytical results from the preliminary Background Site Assessment Report are included in this SAR.

Total arsenic was detected in all twelve groundwater grab samples at a concentration greater than its MDL, and in 8 of 12 groundwater samples at a concentration greater than its FDEP GCTL of 0.010 mg/L. pBSAR groundwater grab sample analytical results are summarized in Table 1 (Appendix B). Total arsenic concentrations at the site ranged from a minimum concentration of 0.008 mg/L (B-8) to a maximum concentration of 0.440 mg/L (B-6).

Of importance, no method-listed organochlorine pesticide compound was detected in any of the collected groundwater grab samples at a concentration greater than its laboratory MDL. Consequently, organochlorine pesticides do not appear to present a significant concern to the Subject.

Detected arsenic in groundwater grab samples collected using a *Geoprobe SP-15* sampler are not deemed representative of site conditions when compared to data obtained from typical monitor wells. This method of groundwater sample collection generally over-reports arsenic concentrations due to elevated turbidity and the relatively shorter length of the sampling screen intersecting the groundwater table (e.g. four feet versus eight feet in a typical monitor well). Consequently, arsenic groundwater analytical results obtained using the *Geoprobe SP-15* sampler during the pBSAR should be viewed with this limitation in mind.

Based on the presence and concentration of arsenic in collected soil and groundwater grab samples, the pBSAR recommended further soil and groundwater assessment at the Subject property. Results of the pBSAR were discussed with Broward County representatives and as a result of these discussions, a site assessment scope of work was developed and implemented.

2.0 SITE ASSESSMENT SCOPE OF WORK

2.1 Soil Scope of Work

After consultation with Broward County representatives, a preliminary Exposure Unit (EU) of one acre (200 feet by 200 feet) was established for the site. The selected EU was deemed representative of site exposure conditions based on the proposed use of Parcels 1 through 4 (West) as a park, and for the anticipated Engineering Control to be used during development of greenspace areas and landscape berms within Parcel 5.

In May 2017 representatives of Edward G. Rahrig P.G. LLC used a *Geoprobe* direct push drill rig to advance 76 continuous soil borings (B-13 through B-88) at the Subject property for collection and laboratory analysis of soil grab samples. Soil samples were collected using a *Geoprobe Macro-Core* sampler and disposal acetate liners. One boring was located within each Exposure Unit (EU), which were distributed evenly across the Subject parcels. The general locations of the soil borings and EUs are depicted on Figure 2 (Appendix A).

In July 2017 a *Geoprobe* direct push drill rig was used to advance thirteen deep soil borings (DB-1 through DB-16) for collection and laboratory analysis of soil grab samples in the area of a proposed stormwater retention lake, on Parcel 4 East. After consultation with Broward County representatives, an Exposure Unit (EU) of slightly less than one quarter acre (100 feet by 100 feet) was established for Parcel 4 East, which is proposed for use as a stormwater lake. One boring was located within each Exposure Unit (EU), which were

distributed evenly across the proposed stormwater retention lake area. The general locations of the deep soil borings and EUs within Parcel 4 East are depicted on Figure 3 (Appendix A).

Soil grab samples were collected from borings B-13 through B-88 at depths of 0.5, 2, 4, 6, 8, 10, and 15 feet below grade, and from deep borings DB-1 through DB-16 at depths of 0.5, 2, 4, 6, 8, 10, 15, 20, 25, 30, and 35 feet below grade (or 20 feet below the observed water table, whichever was encountered first). After soil lithology in each of the soil borings, soil grab samples were collected at the noted depths from the acetate liners, placed in laboratory supplied containers, stored on wet ice, and transported to a Florida-certified laboratory via courier. Samples were analyzed using Environmental Protection Agency (EPA) Method 6020 for total arsenic. Soil analytical results for borings B-13 through B-88 and DB-1 through DB-16 are discussed in Section 3.0 below and summarized in Tables 2 and 3 (Appendix B).

The County recommended several randomly selected soil grab samples be collected and analyzed for arsenic leaching potential using EPA's Synthetic Precipitation Leaching Procedure (SPLP). SPLP analysis estimates the leaching potential of an analyte of interest from a soil sample from exposure to slightly acidic rainwater, under laboratory conditions. SPLP analytical results are then compared to the GCTL for an estimate of leaching potential. Soil SPLP analytical results are discussed in Section 3.0 below and summarized in Table 4 (Appendix B).

All soil and SPLP analytical reports and Chain-of-Custody forms are contained in Appendix C for reference.

Site lithology observed in most soil boring cores was comprised of sod overlying approximately 15 feet of light gray to tan fine quartz sand with shell fragments, pebbles, and silts, grading to dark reddish brown fine quartz sand, limestone fragments, and lime muds. No significant aquitards or aquicludes were observed in any of the borings. However, a hardpan layer was noted near the top of the historic water table. Slightly elevated arsenic concentrations were associated in soil samples collected from the immediate vicinity of the hardpan layer. It is theorized the detected arsenic concentrations are a result of a geochemical reaction between arsenic flushed from overlying soil by rain and irrigation water and the observed hardpan layer.

Depth to the ambient groundwater table at each boring location was observed to range from around 6 to 12 feet. Variations were due to changes in surface elevation of the golf course playing areas.

2.2 Groundwater Scope of Work

On April 3 to April 6, 2017 twenty shallow monitor wells (MW-1 through MW-20) were installed at evenly distributed, randomly selected locations across the Subject property. The monitor wells were installed to assess the degree and extent of arsenic in groundwater beneath the Subject. Monitor well locations are depicted on Figure 4 (Appendix A).

At each well installation, continuous soil cores were collected from the surface to the groundwater table at each well location using a *Geoprobe Macro-Core* sampler and disposable acetate liners. After collection, the liners were cut open and the soil cores visually examined. The lithology observed in collected cores was comprised of sod overlying approximately six feet of light to medium gray to tan fine quartz sand, which then grades to a dark reddish brown to ocher fine quartz sand layer near the top of the observed groundwater table. The dark reddish brown to ocher colored soil horizon (e.g. hardpan) is believed to be the source of the dark groundwater coloring and elevated turbidity readings observed in several collected groundwater grab samples. No significant aquacludes such as clay layers were observed in collected cores. Soil boring lithologic logs are presented in Table 5 (Appendix B).

A Florida-licensed water well contractor installed the groundwater monitor wells using a *Geoprobe* direct push drill rig and *Geoprobe* pre-pack monitor well screen assemblies. The 1.5" diameter PVC wells include a 10-foot pre-fabricated stainless steel prepack screen enclosing 6-20 silica sand and 0.010-slot PVC screen. Variable lengths of solid 1.5" PVC riser were used between the well screens and the ground surface. Well screens were set at a depth of two feet above to eight feet below the observed water table at each monitor well location. The annulus was backfilled as necessary with a fine sand seal and neat cement grout to the ground surface. After installation, the monitor wells were developed using a small centrifugal pump and finished with concrete collar pads, water-tight caps, and 5-inch diameter bolt-down water-tight manholes.

The ambient water table was observed to vary between 6 to 12 feet below grade at the time of monitor well installation. Changes in depth to the water table from well to well were mostly due to elevation changes commonly found on a golf course (e.g. bunkers, elevated tees, elevated greens, sloping fairways). Typical well construction details are provided on Figure 5 (Appendix A). Well Completion Reports provided by the drilling contractor are contained in Appendix C.

Groundwater samples were collected during two sampling Events by representatives of Edward G. Rahrig, P.G. LLC. Sample Event #1 was performed April 13 and 14, 2017, and

sample Event #2 was performed August 16 and 17, 2017. The monitor wells are being sampled as part of a quarterly monitoring program to demonstrate the arsenic plume beneath the site is stable or shrinking. The third sample Event is anticipated to be performed in November 2017 and the fourth Event in February 2018.

At each location, the manhole cover and well cap were removed and depth to groundwater measured using an electronic water level meter. A length of disposable HDPE tubing was then lowered into the well, with the end of the tubing placed two feet below the top of the measured water table. The other end of the tubing was connected to a variable speed peristaltic pump, which discharged groundwater to a flow cell containing a probe from a YSI Professional Series Pro Plus hand-held multi-parameter instrument. Discharge from the flow cell was directed to a calibrated 5-gallon bucket for concurrent flow rate measurements. A constant flow rate was maintained during purging and sampling of each monitor well. The measured flow rate during the sampling Events was calculated to range from 0.17 to 0.25 gallons per minute. Purge volume for each well ranged from 1.5 to 5.0 gallons.

The following parameters were measured or reported for each monitor well:

- Time
- Volume (gallons)
- Cumulative volume (gallons)
- Purge rate (gallons per minute; kept constant at each well)
- Depth to water (feet)
- pH (standard units)
- Temperature (degrees Centigrade)
- Conductivity (uS/cm)
- Dissolved Oxygen (% saturation)
- Turbidity (NTUs; measured using a Hach 2100 turbidity instrument)
- Color (visual description), and
- Odor (olfactory description).

After the measured parameters met FDEP Stabilization Criteria, groundwater samples were collected using laboratory-supplied containers and stored on wet ice. In the event turbidity criteria could not be met due to high turbidity values, development of the well was terminated after pumping 4 to 5 gallons (around 5 well volumes) and samples collected as above. Samples were transported to the laboratory under Chain-of-Custody for intake processing and chemical analysis.

Groundwater samples were analyzed using EPA Method 6020B for total and dissolved arsenic. Groundwater analytical results for each monitor well and sampling Event are discussed in Section 4.0 and summarized in Table 6 (Appendix B).

All groundwater analytical reports, groundwater sampling logs, and Chain-of-Custody forms are contained in Appendix C.

3.0 SOIL ANALYTICAL RESULTS

Arsenic was detected in 173 of 680 (25%) collected soil grab samples at a concentration greater than its FDEP residential Soil Cleanup Target Level (SCTL) of 2.1 mg/kg. Arsenic soil concentrations at each sampling depth are summarized in Tables 1, 2, and 3 (Appendix B) and are depicted on each individual parcel on Figures 6a through 6d (Appendix A). Detected arsenic soil concentrations at the site ranged from below the MDL to a maximum concentration of 40.2 mg/kg (DB-16-10). Arsenic concentrations at the 0.5 and 2 foot depths ranged from below the MDL to a maximum concentration of 34.8 mg/kg (DB-13-0.5). Arsenic concentrations in soil appear to be evenly distributed across the playing surfaces and generally decrease with depth. No evidence of chemical mismanagement was noted by the analytical data.

The SPLP analytical Method 1312 was performed on 32 randomly selected soil samples containing a wide range of detected arsenic concentrations. Total arsenic concentrations detected in the selected samples ranged from less than the MDL to a maximum of 34.8 mg/kg. SPLP arsenic concentrations ranged from less than the MDL to a maximum of 0.2 milligrams per liter (mg/L). Selected sample ID's as well as total versus SPLP arsenic concentrations are summarized and charted in Table 4 (Appendix B).

4.0 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were collected during two sampling Events from the twenty permanent monitor wells located at the Subject. Sample Event #1 was performed April 13 and 14, 2017 and sample Event #2 was performed August 16 and 17, 2017. The twenty monitor wells are being sampled as part of a quarterly monitoring program currently in progress.

4.1 Sampling Event #1

Total arsenic was detected in 17 of 20 groundwater monitoring wells at a concentration greater than its MDL, and in 14 of 20 groundwater monitoring wells at a concentration

greater than its GCTL of 0.010 mg/L. Total arsenic groundwater concentrations during Event #1 ranged from the laboratory MDL to a maximum concentration of 0.144 mg/L (MW-11). Total and dissolved arsenic concentrations are summarized in Table 6 and depicted on Figure 7a (Appendix A).

4.2 Sampling Event #2

Total arsenic was detected in 17 of 20 groundwater monitoring wells at a concentration greater than its MDL, and in 17 of 20 groundwater monitoring wells at a concentration greater than its GCTL of 0.010 mg/L. Total arsenic groundwater concentrations during Event #2 ranged from the laboratory MDL to a maximum concentration of 0.240 mg/L (MW-18). Total and dissolved arsenic concentrations are summarized in Table 6 and depicted on Figure 7b (Appendix A).

4.3 Sample Turbidity

Dissolved arsenic concentrations measured in each groundwater sample were similar but generally less than total arsenic concentrations. This suggests sample turbidity is not a significant concern for most samples during the sampling Events. Recorded sampling parameters and other relevant information for each well were reported on FDEP Groundwater Sampling Log forms and contained in Appendix C.

4.4 Groundwater Flow

Groundwater table elevation and gradient data were not determined during the monitoring Events. Based on experience, detailed groundwater elevation measurements are deemed impractical due to abrupt changes in surface elevation of the study area and the presence of numerous drainage features and stormwater lakes at the Subject that create transient localized groundwater table elevation anomalies. Thus any groundwater elevation measurements would be inconclusive, misleading, or incorrect. Moreover, the eastern portion of the Subject is located within the zone of influence of the City of Deerfield Beach (municipal) Wellfield and there are additional nearby municipal wellfields northwest, south, and southeast of the Subject property. It is believed groundwater elevation data collected at the Subject would not be representative of the overall regional southeasterly groundwater flow direction or site-specific conditions. Figure 8 (Appendix A) depicts nearby Broward County wellfields and their Zone of Influence.

Based on personal experience and discussions with regulatory agency representatives regarding similar sites, migration of groundwater containing arsenic offsite to any significant degree is not expected.

5.0 CONCLUSIONS

Arsenic has been detected in soil and groundwater samples collected at the Subject property. Some detected arsenic concentrations are greater than the FDEP default residential SCTLs/GCTLs. The source of the arsenic is from the use of fertilizers and monosodium methyl arsenate (MSMA), an arsenic-based herbicide. According to the property Owner, these agricultural chemicals were historically applied to the golf course in accordance with label directions. Additionally, arsenic-based chemical storage and mixing operations did not take place at the Subject property. Evaluation of the vertical and horizontal distribution of arsenic in soil did not reveal the presence of areas containing uncharacteristically high concentrations of arsenic. The detected arsenic concentrations indicate there is no evidence of a spill or misapplication of arsenic-containing agricultural chemicals at the Subject property.

Arsenic was detected in 61% of soil samples collected by EE&G (2014) at a concentration greater than its FDEP residential SCTL, with a maximum detected arsenic soil concentration of 44.2 mg/kg. Arsenic was detected in the EE&G groundwater samples at a maximum concentration of 0.361 mg/L. Arsenic was detected in 63% of the split samples analyzed by GFA (2014) at a concentration greater than its FDEP residential SCTL, with a maximum arsenic in soil concentration of 44.7 mg/kg. Arsenic was detected in the GFA groundwater samples at a maximum concentration of 0.440 mg/L. Arsenic was detected in 25% of soil samples collected as part of this SAR at a concentration greater than its FDEP residential SCTL, with a maximum detected arsenic soil concentration of 40.2 mg/kg. Arsenic was detected in groundwater samples collected during the first two quarters of monitoring at a maximum concentration of 0.144 and 0.240 mg/L (first and second quarter, respectively).

Soil and groundwater arsenic concentrations detected in this SAR were generally less frequent and at a similar to lower concentration than those reported in prior Phase II ESAs performed in 2014 (EE&G 2014; GFA 2014). This comparison supports a conclusion that arsenic concentrations at the Subject are stable or shrinking.

5.1 Arsenic in Soil

Arsenic was detected in 173 of 680 collected soil grab samples at a concentration greater than its FDEP default SCTL of 2.1 mg/kg. Detected arsenic soil concentrations at the site ranged from below the MDL to a maximum concentration of 40.2 mg/kg (DB-16-10). Arsenic concentrations at the 0.5 and 2 foot depths ranged from below the MDL to a maximum concentration of 34.8 mg/kg (DB-13-0.5).

The 0.5 to 2 foot depth interval is the depth interval most likely to be encountered by individuals on a routine basis. Deeper depth intervals are much less likely to be encountered, and then only by construction or utility workers on a short term basis. Thus the presence of arsenic in shallow soil (0.5 and 2 feet) represents the primary exposure concern at the Subject property. Arsenic in soil analytical results versus depth are summarized in Tables 2 and 3 (Appendix B). Since arsenic concentrations in soil exceed the FDEP default SCTL, a site-specific Risk Assessment was prepared as part of this SAR and is further discussed in Section 6. A copy of the Risk Assessment is provided in Appendix C.

The horizontal and vertical distribution of arsenic in site soil makes traditional remedial actions to address the presence of, and exposure to, arsenic in soil impractical. Consequently, protection of the public from potential exposure to arsenic in soil at each of the Subject property parcels will need to be addressed based on proposed future use of the parcels. Proposed exposure protection at the Subject property is a combination of a site-specific Risk Assessment and Engineering and Institutional Controls.

5.2 SPLP Arsenic

SPLP analysis (EPA Method 1312) was performed on 32 randomly selected soil samples. Total arsenic concentrations measured in the selected samples ranged from less than the MDL to a maximum of 34.8 mg/kg. SPLP arsenic concentrations ranged from less than the MDL to a maximum of 0.2 milligrams per liter (mg/L). Detected SPLP arsenic concentrations compare favorably with groundwater arsenic concentrations measured in site monitor wells. Based on the SPLP analytical results, mobility of arsenic in soil is possible and its potential to effect groundwater must be considered when handling shallow (e.g. 0 to 2 feet) soil at the Subject property.

5.3 Arsenic in Groundwater

Twenty monitor wells were sampled as part of an ongoing quarterly monitoring program. Two of four sampling Events have been performed and are reported herein. Two more quarterly sampling Events are anticipated in late 2017 and early 2018.

Sample Event #1 detected total arsenic in 17 of 20 groundwater monitoring wells at a concentration greater than its MDL, and in 14 of 20 groundwater monitoring wells at a concentration greater than its GCTL of 0.010 mg/L. Event #1 arsenic concentrations ranged from the MDL to a maximum concentration of 0.144 mg/L (MW-11).

Sample Event #2 detected total arsenic in 18 of 20 groundwater monitoring wells at a

concentration greater than its MDL, and in 17 of 20 groundwater monitoring wells at a concentration greater than its GCTL of 0.010 mg/L. Event #2 arsenic concentrations ranged from the MDL to a maximum concentration of 0.2400 mg/L (MW-18).

The observed fluctuation of measured arsenic groundwater concentrations is likely due to the variation of rainfall at the site area between the wet and dry seasons, variation of surface runoff and percolation of stormwater into the shallow aquifer beneath the site, and the potential interaction of the hardpan layer at the top of the historical groundwater table with changing groundwater table elevations due to the variables noted above.

The horizontal and vertical extent of arsenic in site groundwater makes traditional remedial action to clean up arsenic in groundwater impractical. Consequently, protection of the public from potential exposure to arsenic in groundwater at the Subject will need to be addressed by a site-wide Institutional Control in the form of a groundwater use restriction.

6.0 FOCUSED RISK ASSESSMENT

In order to evaluate potential arsenic exposure concerns to the public, Dr. Christopher M. Teaf, Ph.D., President and Director of Toxicology at Hazardous Substance & Waste Management Research, Inc., was requested to prepare a Focused Risk Assessment (“Risk Assessment”) for the former Hillsboro Pines Golf Course. A copy of the Risk Assessment is provided in Appendix C.

The Risk Assessment assumes ownership of Parcels 1 through 4 West will be transferred to the Century Village master property association for use as green space or recreational park activities, accompanied by an Institutional Control limiting the property to non-residential uses. Reasonable use scenarios identified by Dr. Teaf in the Risk Assessment are recreational (park) use, occupational (maintenance/landscaping) use, and trespassing or infrequent visitation. Dr. Teaf’s individual exposure scenarios are further discussed below.

6.1 Recreational (Park) Scenario

The recreational or park user scenario is addressed by an alternate SCTL (ASCTL) of 5.7 mg/kg, similar to a park user scenario previously developed and currently employed by the FDEP. The ASCTL assumes oral, dermal, and inhalation exposure to a child/adolescent for 14 years with a soil ingestion rate of 120 milligrams per day for 192 days per year and a target cancer risk of one-in-a-million. The recreational use exposure assumptions are considered highly conservative given the adult-only nature of the Century Village community. Using the arsenic in soil analytical data collected during site assessment, a

95% Upper Confidence Limit (UCL) was calculated for the 0.5 and 2 foot depth intervals as well as a combination of the two. The 95% UCL is a statistical value commonly used by the US EPA, state regulatory agencies, and the private sector in environmental investigations and human health exposure assessments.

The recreational/park user ASCTL of 5.7 mg/kg compares favorably to the 95% UCL concentration of 4.9 mg/kg calculated for the 0.5 foot sample interval, 2.3 mg/kg calculated for the 2 foot sample interval, and 3.4 mg/kg calculated for the combined 0.5 to 2 foot sample interval. The 95% UCL for the 0.5 to 2 foot depth interval for each parcel individually was calculated to be less than 5.7 mg/kg.

6.2 Occupational (Maintenance/Landscaping) Scenario

The occupational (maintenance/landscaping) use scenario was initially addressed by a commercial/industrial SCTL of 12 mg/kg developed and currently employed by the FDEP for workers with primarily indoor work responsibilities. The FDEP commercial use SCTL assumes a soil ingestion rate of 50 milligrams per day, 5 days per week, 250 days per year, for 25 years. Given the current and proposed non-residential use of the Subject property as a park, a more realistic site-specific adult maintenance/landscape worker scenario ASCTL was developed by Dr. Teaf in the Risk Assessment. A site-specific adult maintenance/landscape worker ASCTL of 16 mg/kg was calculated. This scenario assumes a soil ingestion rate of 100 mg/day and 3,527 cm² exposed skin area for two days per week for 25 years (Appendix C).

6.3 Trespasser (Infrequent Visitor) Scenario

A trespasser (infrequent visitor) scenario would have less exposure than either of the two scenarios described above. Consequently, the recreational ASCTL of 5.7 mg/kg is assumed to be the most conservative applicable target and the trespasser scenario was not further evaluated.

6.4 Focused Risk Assessment Summary and Conclusions

The Focused Risk Assessment prepared by Dr. Teaf concluded the surficial soils at the former Hillsboro Pines Golf Course do not pose a current health concern for users of the property under recreational (park) or occupational (maintenance/landscape) use scenarios, as contemplated in a planned Institutional Control limiting the future property use of Parcels 1 through 4 West.

7.0 RECOMMENDATIONS

Parcel-specific recommendations to address potential arsenic exposure at each of the Subject property parcels are presented in the following sections.

7.1 Parcels 1 through 4 West

Parcels 1 through 4 West are proposed to be transferred to the Century Village master property association for use as a greenspace or park. Based on the results of this SAR and the conclusions contained within the Risk Assessment, we propose the parcels be issued a No Further Action with Conditions status, contingent on the parcels being the subject of an Institutional Control limiting use of Parcels 1 through 4 West as a greenspace or park, and Parcel 4 East as a stormwater management lake. The Institutional Control will also include a site-wide groundwater use restriction.

7.2 Parcel 4 East

The eastern portion of Parcel 4 is proposed for use as a stormwater management lake to manage stormwater runoff from Century Village property in the vicinity of Parcel 4 and from Parcel 5. Review of the SAR soil analytical data indicates arsenic concentrations of concern are mostly limited to the first two feet of the shallow soil. Review of SPLP analytical data indicates there is a potential for arsenic in these shallow soils to leach to underlying groundwater. Consequently, the first two feet of soil overlying the proposed stormwater lake will need to be removed and set aside prior to excavation of clean soil from the lake excavation. All soil removed from Parcel 4 (East) will be managed under a Soil Management Plan (SMP) submitted to Broward County for review and approval prior to the commencement of work. The SMP shall describe in detail proposed analytical testing and soil management practices for soil disturbed at this and the adjacent Parcel 5. If dewatering is deemed to be required during excavation of the lake, a dewatering plan will be included with the SMP.

7.3 Parcel 5

Parcel 5 is proposed for residential development. Construction of several multi-family residential condominium buildings with associated driveways, roadways, greenspace, and a landscape buffer (e.g. berm) surrounding the development are proposed. The proposed improvements are depicted on a Conceptual Site Plan presented on Figure 9 (Appendix A). Since shallow soil on Parcel 5 contains arsenic above its FDEP residential SCTL, removal and management of this soil at residential lots under an SMP is required. If dewatering is

deemed to be required during construction of the proposed improvements, a dewatering plan will be included with the SMP.

The existing golf course lake located in Parcel 5 will be demucked and backfilled with the clean fill obtained from Parcel 4 East. The muck and shallow soil scraped from Parcel 4 East and Parcel 5 will be placed in the core of the landscape buffer and used as non-residential greenspace cover, lake maintenance easements, or beneath permanent site improvements such as building slabs, driveways, and roadways.

Preliminary exposure control strategy will be implementation of site-wide Engineering and Institutional Controls. The Engineering Control will include capping residential areas of Parcel 5 with two feet of clean fill, or placement beneath building slabs, driveways, and roadways. The clean fill proposed for the cap will be obtained from the excavated lake at Parcel 4 East. The Institutional Control will include a site-wide groundwater use restriction. The source of water used for irrigation purposes has not been determined but will be stipulated in the Institutional Control describing the groundwater use restriction.

8.0 SUMMARY

Soil and groundwater beneath the five parcels comprising the former Hillsboro Pines Golf Course have been impacted by the historical use of arsenic-containing chemicals applied to the golf course playing surfaces. Some detected concentrations exceed the FDEP residential SCTL/GCTL for arsenic. Evidence of unusual concentrations of arsenic in soil or groundwater indicative of a spill or historical mismanagement of these chemicals was not found. Comparison of the SAR soil and groundwater data to the data contained within the Phase II ESAs performed in 2014 support the conclusion the groundwater arsenic plume at the Subject is stable or shrinking.

Parcels 1 through 4 West are proposed to be transferred to the Century Village master property association for use as greenspace or a park. A Focused Risk Assessment concluded surficial soils on Parcels 1 through 4 West at the former Hillsboro Pines Golf Course do not pose a health concern for users of the property under recreational (park) or occupational (maintenance/landscape) use scenarios. An Institutional Control for Parcels 1 through 4 West limiting future property use as a greenspace or park and restricting groundwater use is proposed as part of an NFAC determination.

Excavation of a stormwater management lake on the eastern portion of Parcel 4 and development of Parcel 5 with multi-family residential buildings will require a SMP to properly manage arsenic-impacted soil prior to development. If dewatering is contemplated, a dewatering plan will need to be included with the submitted SMP. Parcel

5 will also require exposure control in the form of Engineering and Institutional Controls requiring capping of residential areas not covered by building slabs, driveways, and roadways, and a groundwater use restriction.

If you have any questions or comments, please do not hesitate to contact me.

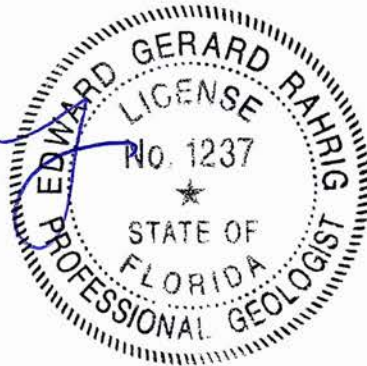
STATEMENT OF PROFESSIONAL CERTIFICATION

I, the undersigned Professional Geologist registered in the State of Florida, certify that I am in responsible charge of the preparation and production of this SAR for the Former Hillsboro Pines Golf Club in Deerfield Beach, Broward County, Florida and that, to the best of my knowledge and belief, the information submitted herein satisfies the requirements set forth in Rule 62-780, Florida Administrative Code.

Best regards,

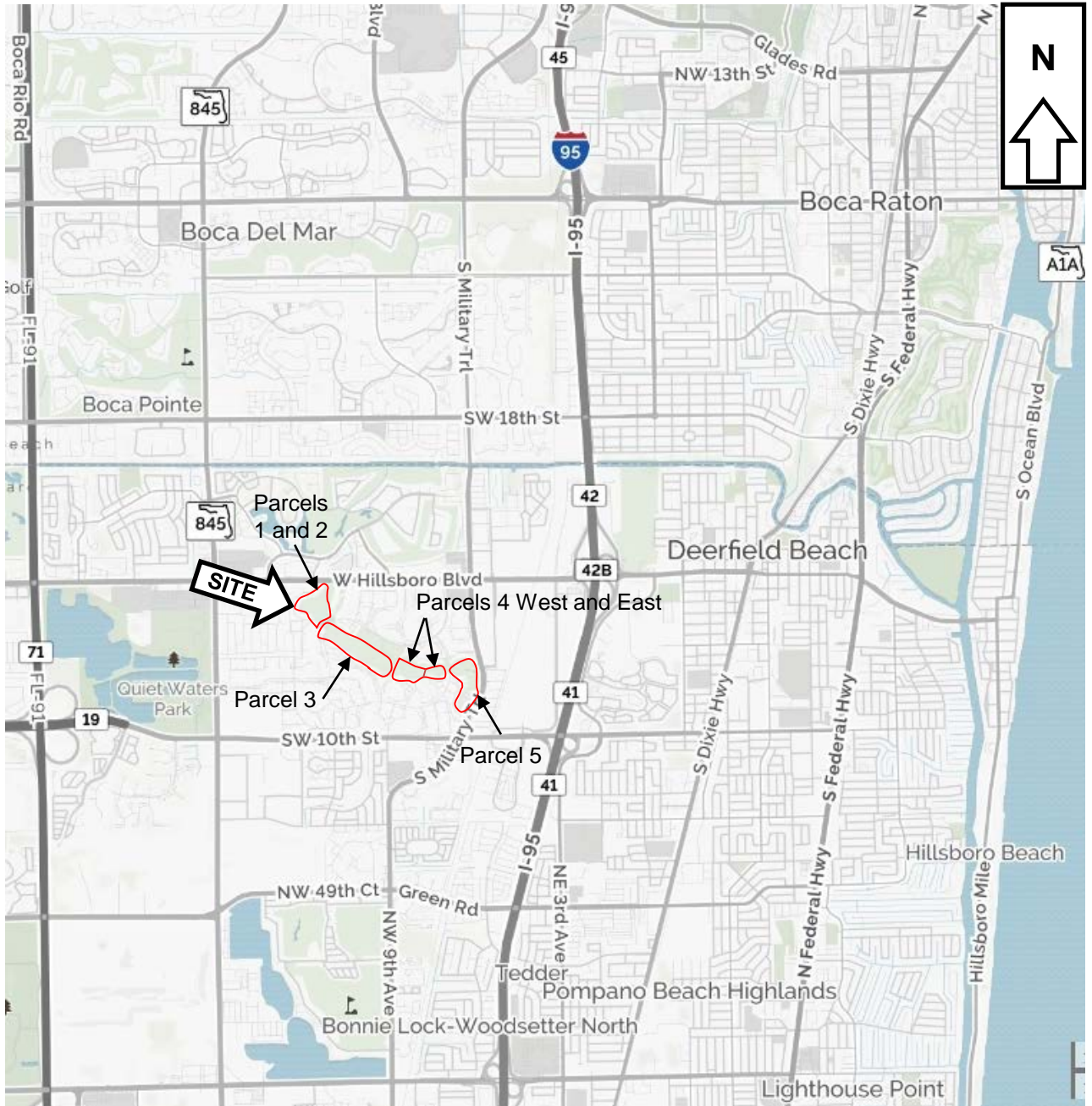


Edward G. Rahrig, P.G.
Environmental Consultant
FL P.G. License No. 1237



- Attachments: Figures
Tables
EAR Licenses
Soil Analytical Data
Well Completion Reports
Groundwater Analytical Data
Groundwater Sampling Logs

Ec: E. Lee Worsham, Esquire, Shutts & Bowen, West Palm Beach, Florida
File

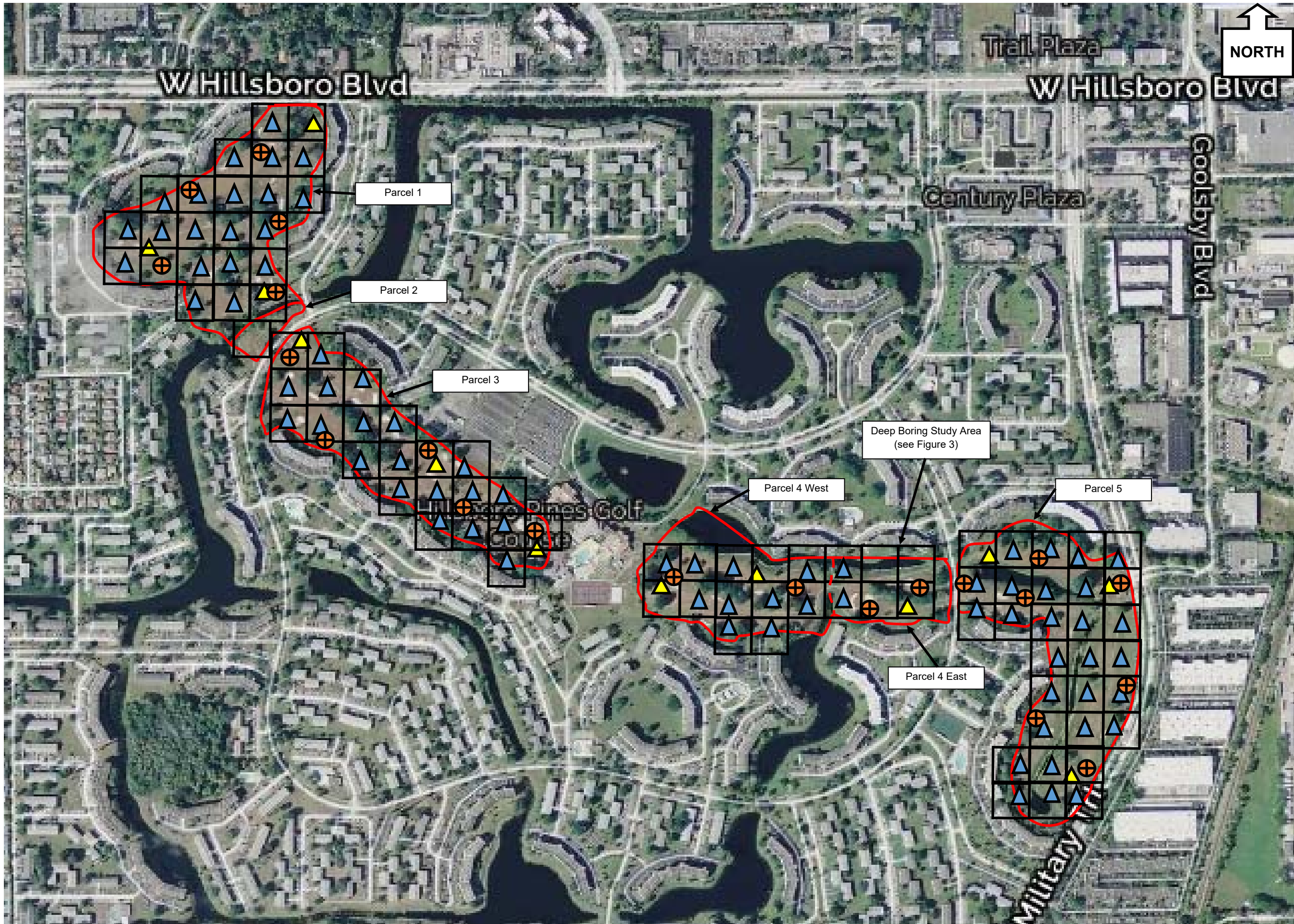


EDWARD G. RAHRIG, P.G., LLC
 1086 Southwest Sultan Drive
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 Tel: (561) 738-4667 Fax: (888) 848-0816



Site Assessment Report
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Site Location Map Not to Scale	Drawn By	Date: November 13, 2017	Figure No.: 1
	ER	Job No.: 62102.04	



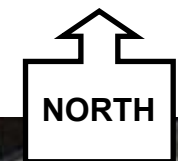
EDWARD G. RAHRIG, P.G. LLC 1086 SW Sultan Drive Port St. Lucie, Florida 34953 Tel: (561) 738-4667 Fax: (888) 848-0816	Site Assessment Report Hillsboro Pines Golf Course Century Boulevard Deerfield Beach, Florida	Date: November 13, 2017 Figure No.: 2
	Drawn By: ER Job No.: 62102.00	Soil Boring, EU, and Monitor Well General Location Map


LEGEND

- SAR Boring Location
- Monitor Well Location
- pBSAR Boring Location




Exposure Unit

1-Acre



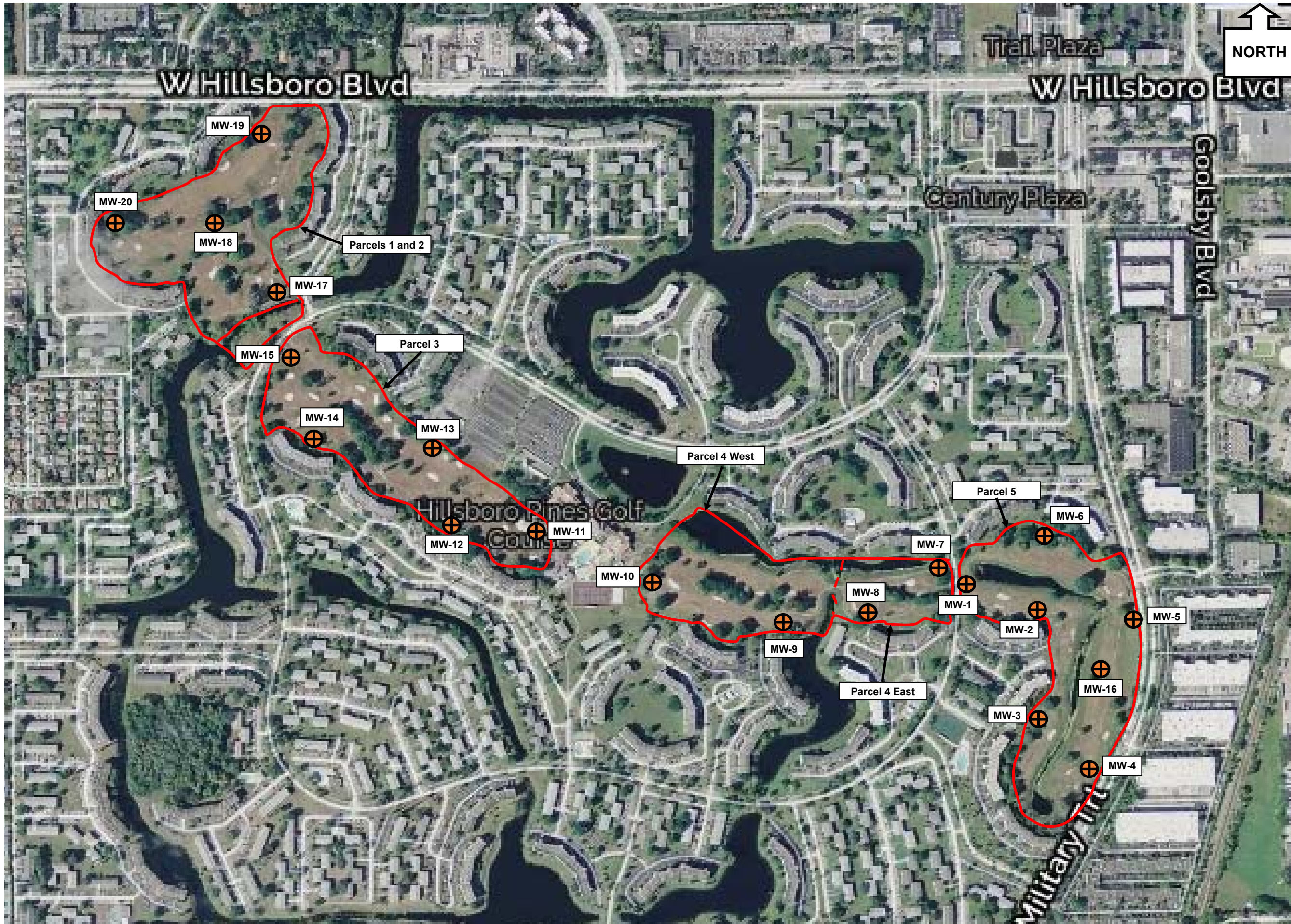
Site Assessment Report Hillsboro Pines Golf Course Century Boulevard Deerfield Beach, Florida		Figure No.: 3	
		Date: November 13, 2017	Job No.: 62102.04
EDWARD G. RAHRIG, P.G. LLC 1086 Southwest Sultan Drive Port St. Lucie, Florida 34953 Tel: (561) 738-4667 Fax: (888) 848-0816		Drawn By: ER	
Deep Soil Boring, EU, and Monitor Well General Location Map			

LEGEND

-  Deep Boring Location
-  Monitor Well Location
-  pBSAR Boring Location

Exposure Unit

1/4 Acre



Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

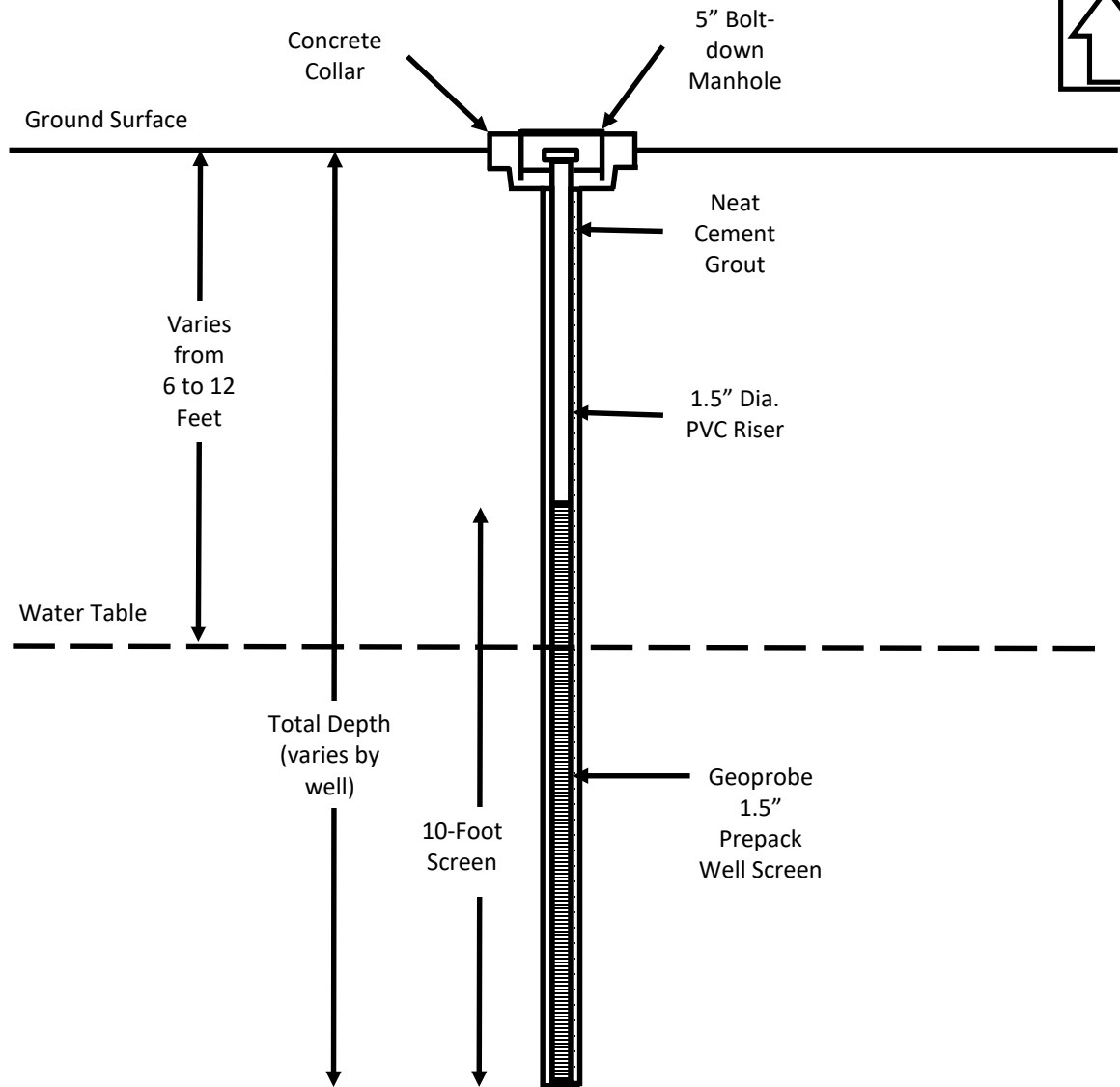
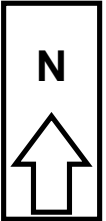


EDWARD G. RAHRIG, P.G. LLC
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Monitor Well Location Map	Drawn By	ER
	Date:	November 13, 2017
	Job No.:	62102.04
	Figure No.:	4

LEGEND

Monitor Well Location



EDWARD G. RAHRIG, P.G., LLC
 1086 Southwest Aster Road
 Port St. Lucie, FL 34953-2905
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Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Monitor Well Construction Diagram
 Not to Scale

Drawn By
 ER

Date: November 13, 2017

Job No.: 62102.04

Figure No.:

5

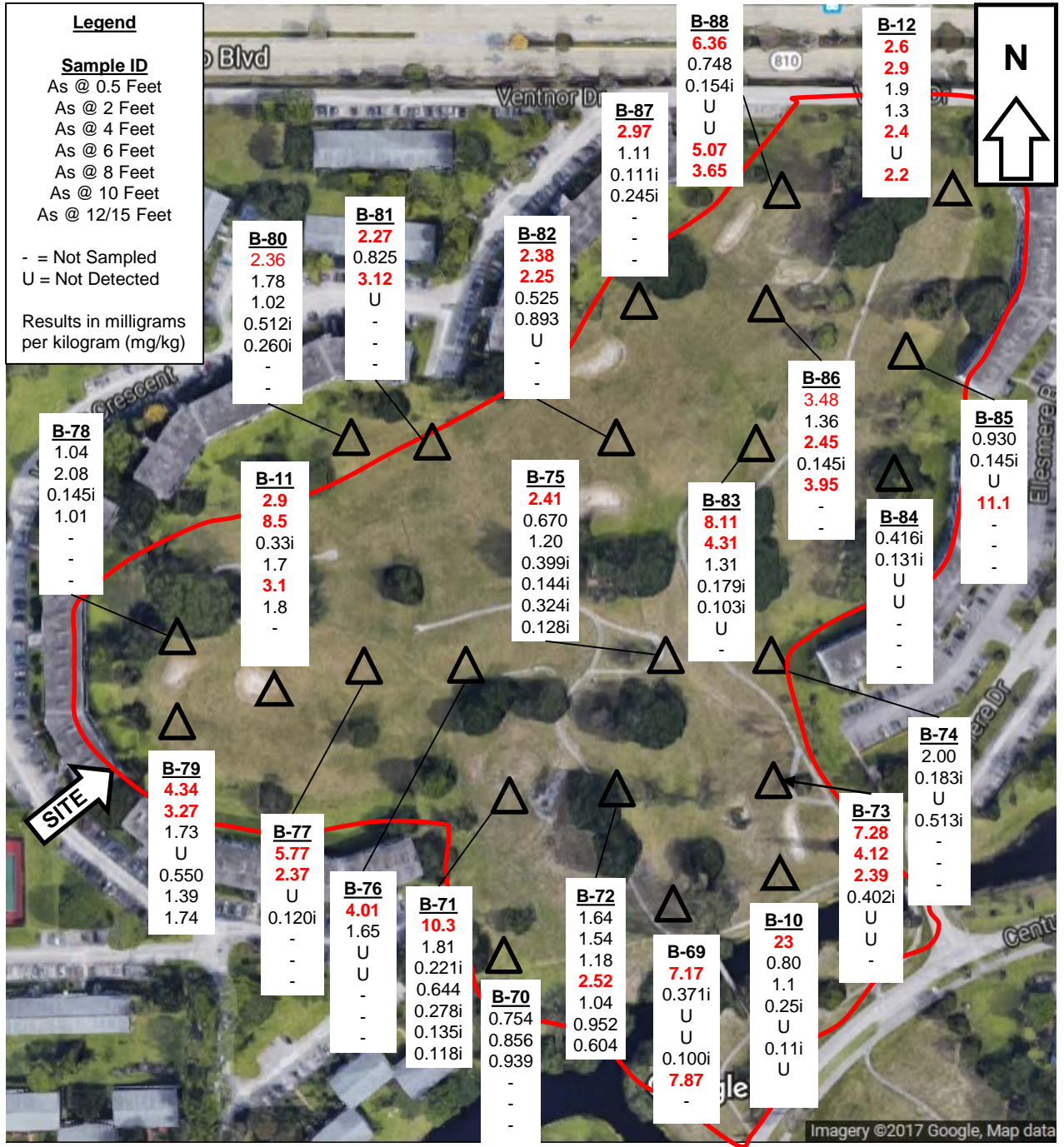
Legend

Sample ID

- As @ 0.5 Feet
- As @ 2 Feet
- As @ 4 Feet
- As @ 6 Feet
- As @ 8 Feet
- As @ 10 Feet
- As @ 12/15 Feet

- = Not Sampled
U = Not Detected

Results in milligrams per kilogram (mg/kg)



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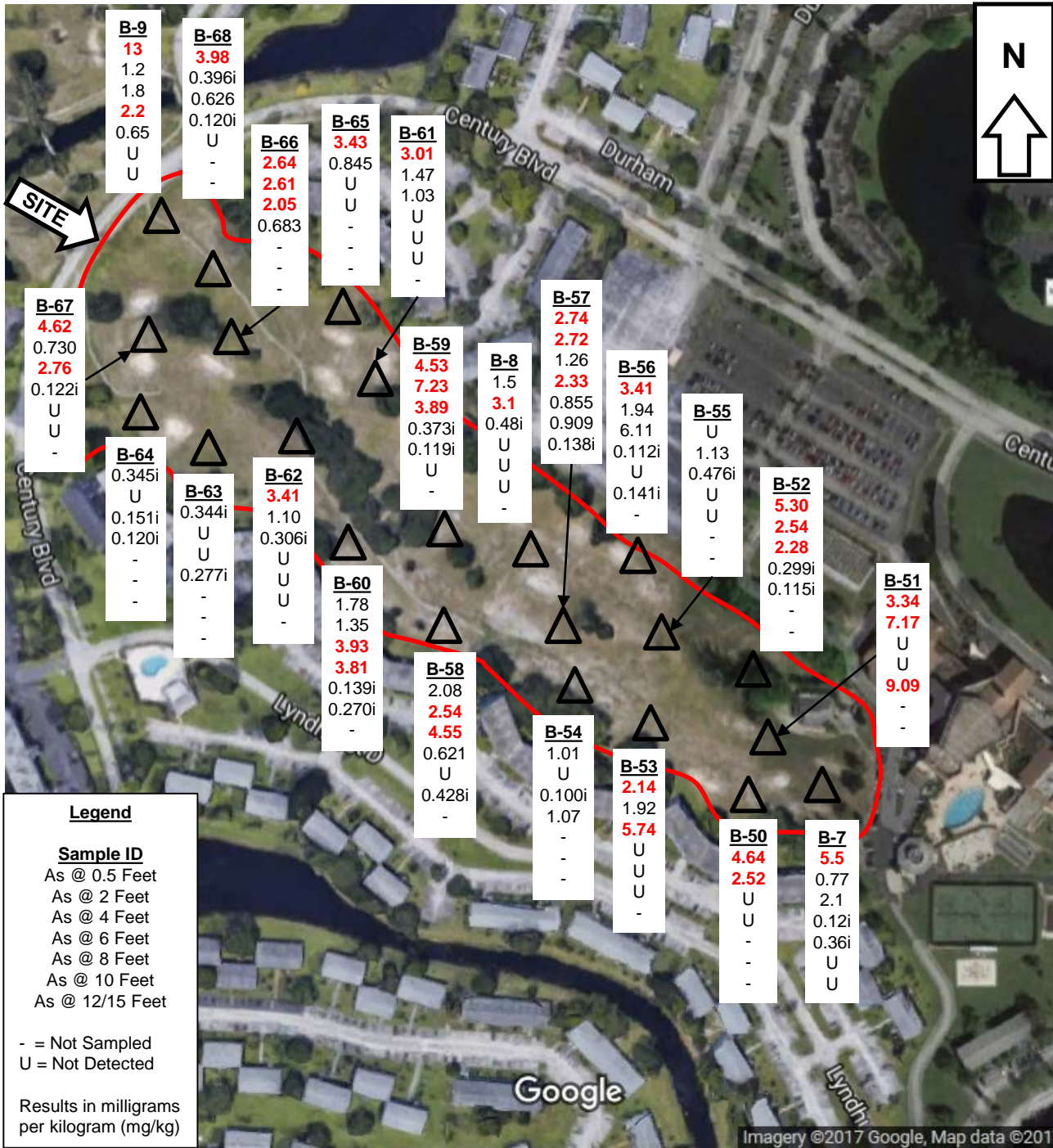
Site Assessment Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Soil Analytical Results (mg/kg)
 For Parcels 1 and 2

Drawn By
 ER

Date: November 13, 2017
 Job No.: 62102.04

Figure No.:
 6a



Legend

Sample ID

- As @ 0.5 Feet
- As @ 2 Feet
- As @ 4 Feet
- As @ 6 Feet
- As @ 8 Feet
- As @ 10 Feet
- As @ 12/15 Feet

- = Not Sampled
 U = Not Detected

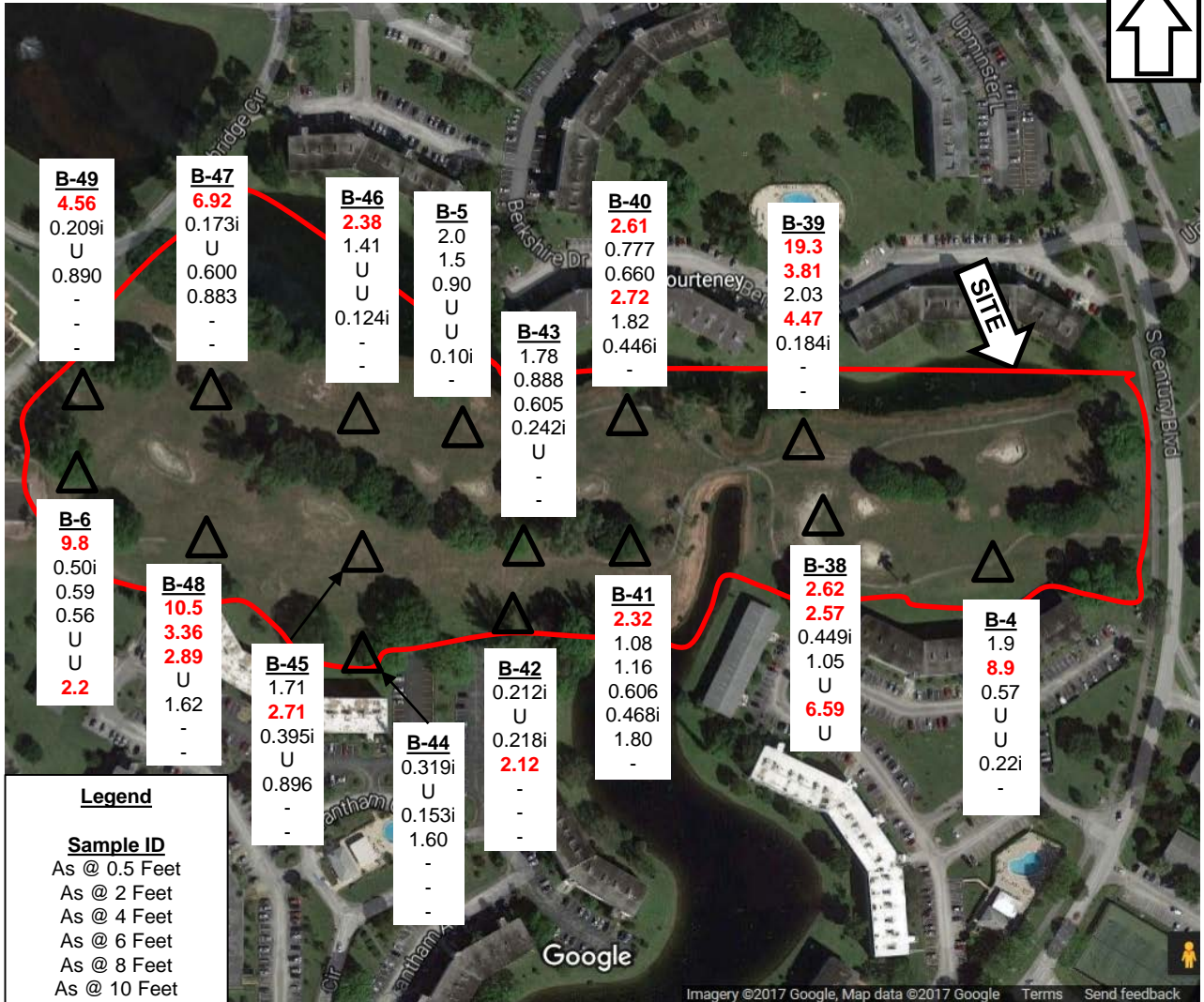
Results in milligrams per kilogram (mg/kg)

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Site Assessment Report
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 Century Boulevard
 Deerfield Beach, Florida

Soil Analytical Results (mg/kg) For Parcel 3	Drawn By	Date: November 13, 2017	Figure No.: 6b
	ER	Job No.: 62102.04	



Legend

Sample ID
 As @ 0.5 Feet
 As @ 2 Feet
 As @ 4 Feet
 As @ 6 Feet
 As @ 8 Feet
 As @ 10 Feet
 As @ 12/15 Feet

- = Not Sampled
 U = Not Detected

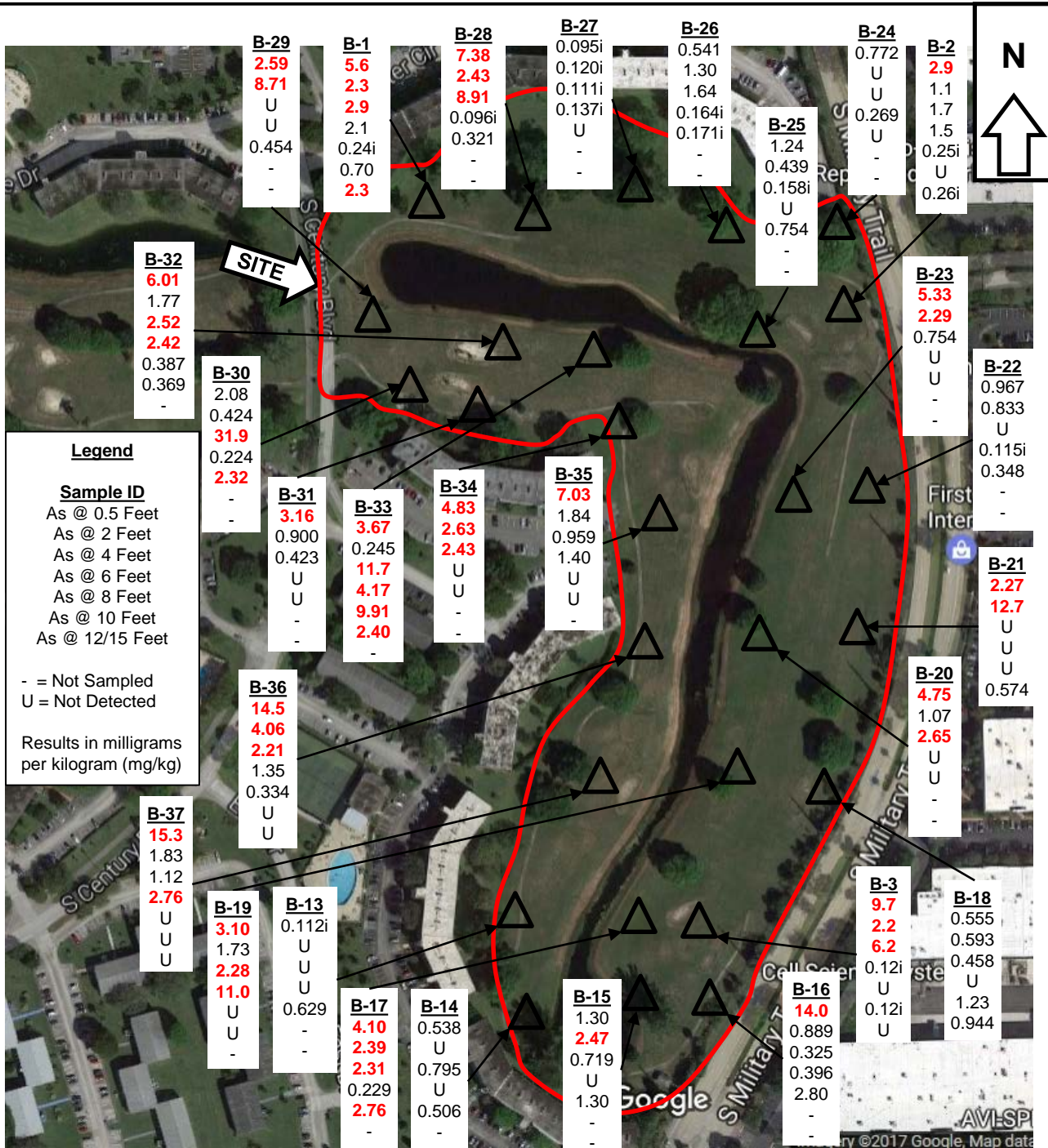
Results in milligrams per kilogram (mg/kg)

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Site Assessment Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Soil Analytical Results (mg/kg) For Parcels 4 West and 4 East	Drawn By	Date: November 13, 2017	Figure No.: 6c
	ER	Job No.: 62102.04	



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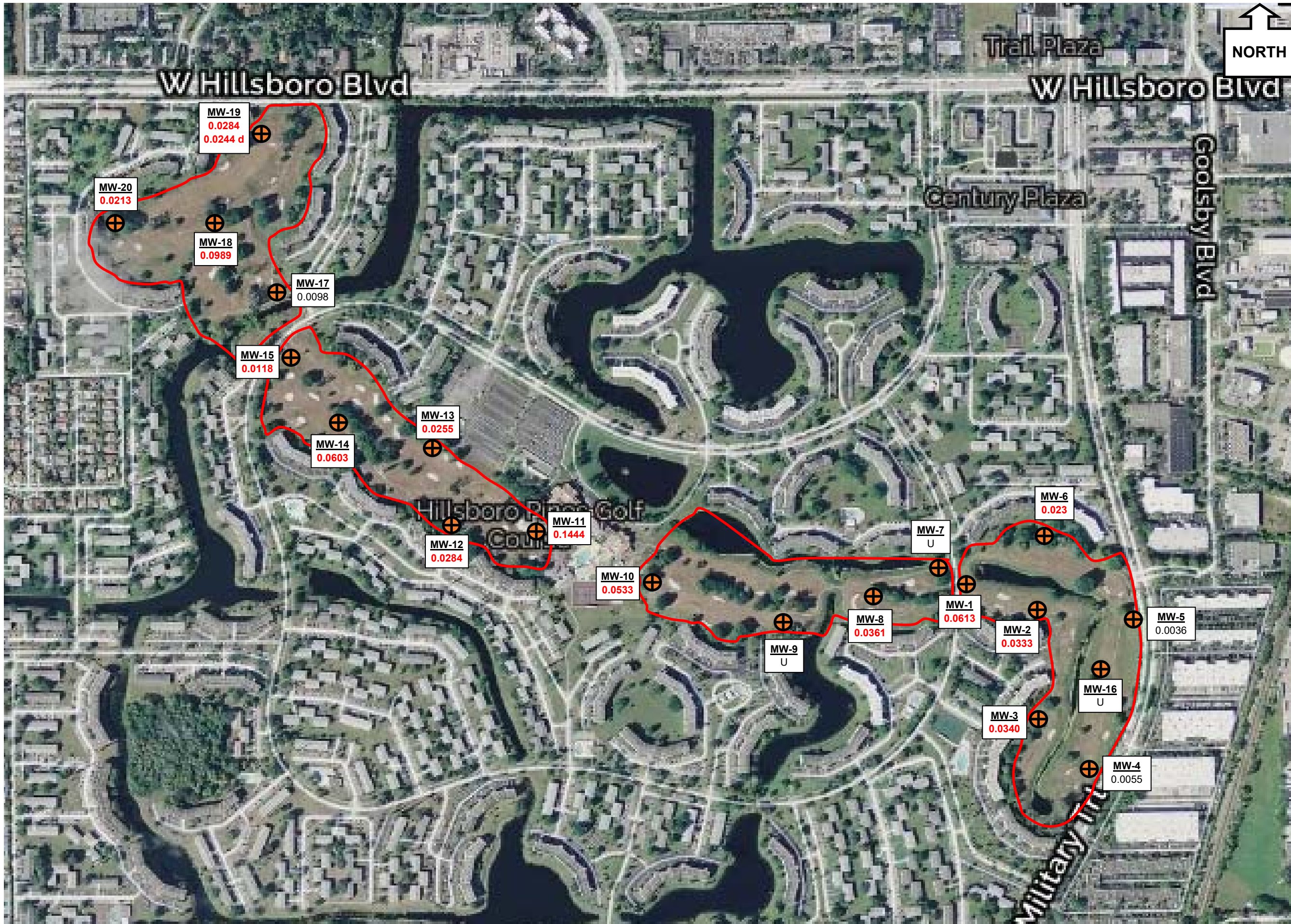
Site Assessment Report
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Soil Analytical Results (mg/kg)
 For Parcel 5

Drawn By
 ER

Date: November 13, 2017
 Job No.: 62102.03

Figure No.:
 6d



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Site Assessment Report
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Sampling Event #1
 Groundwater Analytical Results
 April 13 and 14, 2017

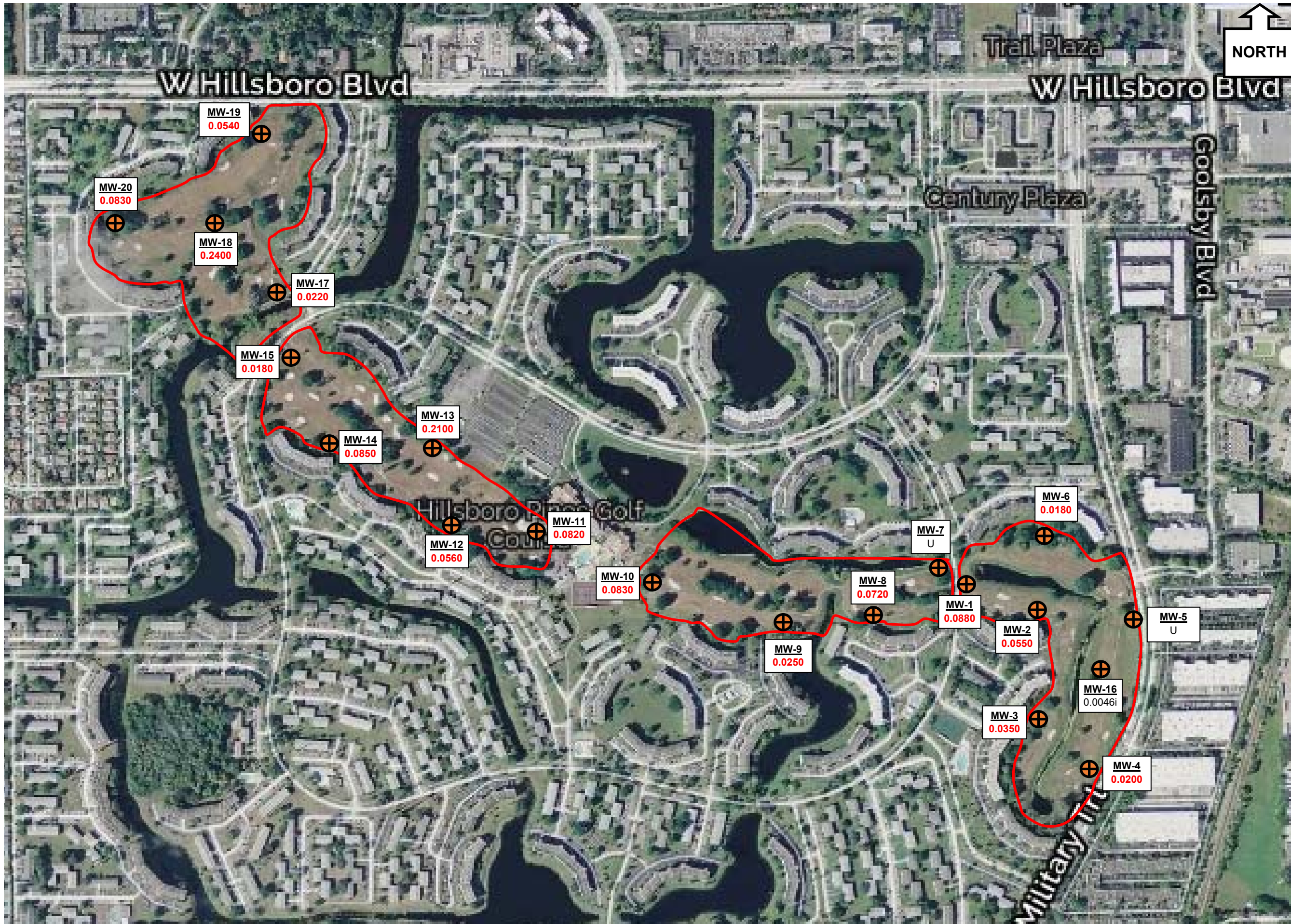
Drawn By
 ER

Date: November 13, 2017
 Job No.: 62102.04

Figure No.:
 7a

LEGEND

- ⊕ Monitor Well Location
- Results presented in milligrams per liter (mg/L) aka parts per million (ppm)
- Arsenic GW standard: 0.010 mg/L
- **Red** denotes arsenic detected above the GW standard



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Site Assessment Report
 Hillsboro Pines Golf Course
 Century Boulevard
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Sampling Event #2
 Groundwater Analytical Results
 August 16 and 17, 2017

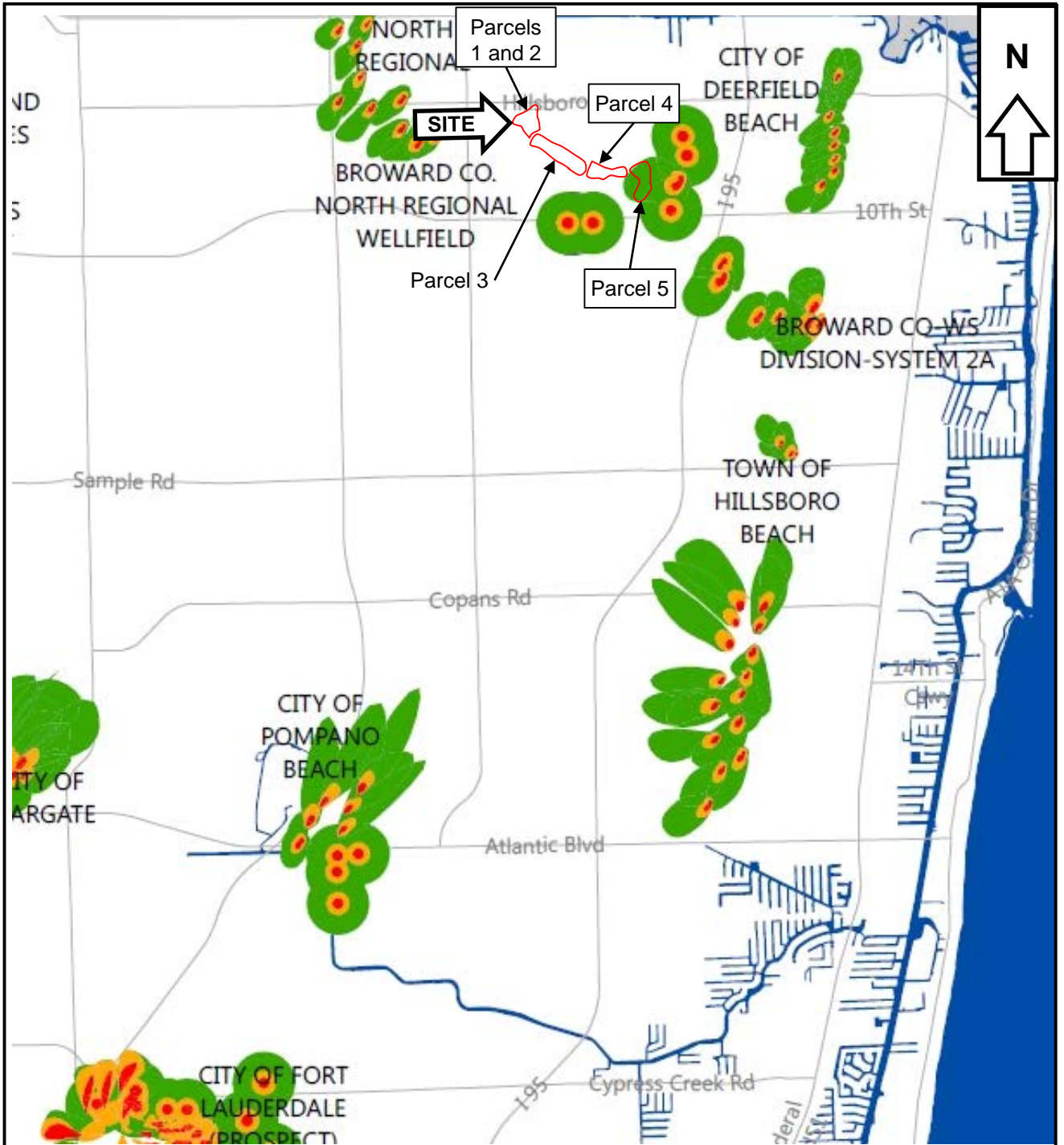
Drawn By
 ER

Date: November 13, 2017
 Job No.: 62102.04

Figure No.:
 7b

LEGEND

- ⊕ Monitor Well Location
- Results presented in milligrams per liter (mg/L) aka parts per million (ppm)
- Arsenic GW standard: 0.010 mg/L
- **Red** denotes arsenic detected above the GW standard

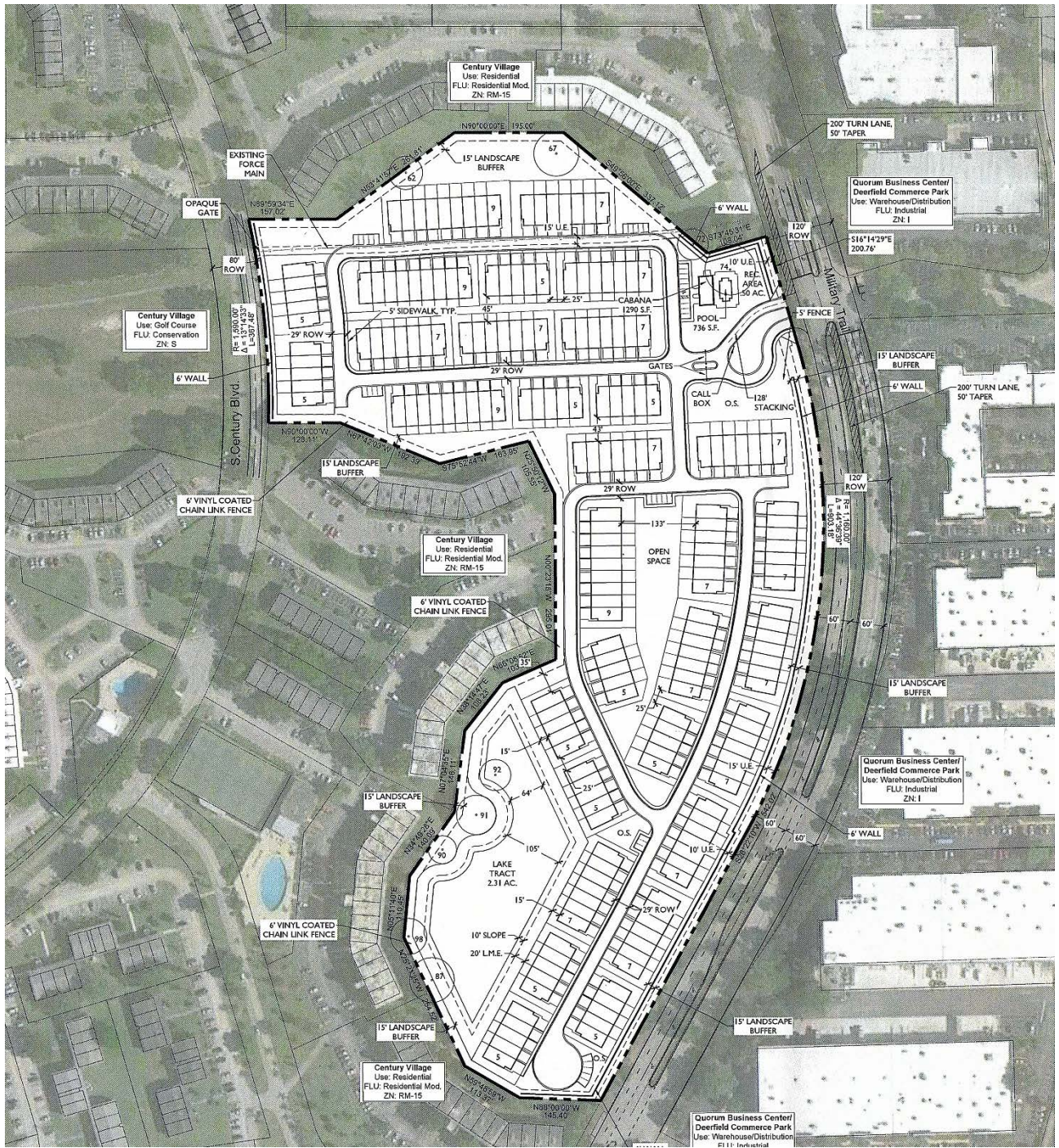


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Site Assessment Report
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Wellfield Location and Zone of Influence Map Not to Scale	Drawn By	Date: November 13, 2017	Figure No.: 8
	ER	Job No.: 62102.04	



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Site Assessment Report
 Former Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Parcel 5 Conceptual Site Plan Scale Unknown	Drawn By	Date:	November 13, 2017	Figure No.:
	ER	Job No.:	62102.04	9

Table 1 – Preliminary BSAR Soil and Groundwater Analytical Summary (“Hits” Table)

Boring Name, Location, and Detected Contaminants	Soil Sample Depth and Contaminant Concentration							SCTL DE, R	SCTL L, GW	GCTL	GW Arsenic (total/dissolved)
Sample Date 1/31/2017											
B-1 (Tee)	0.5'	2'	4'	6'	8'	10'	15'				
Arsenic (mg/kg)	5.6	2.3	2.9	2.1	0.24i	0.70	2.3	2.1 mg/kg	***	10 ug/L	60/46
B-2 (Green)	0.5'	2'	4'	6'	8'	10'	15'				
Arsenic (mg/kg)	2.9	1.1	1.7	1.5	0.25i	U	0.26i	2.1 mg/kg	***	10 ug/L	4.6/4.1
Heptachlor Epoxide (ug/kg)	U	U	0.285i	-	-	-	-	100 ug/kg	600 ug/kg	0.2 ug/L	U
Chlordane, total (ug/kg)	5.91	4.77	4.50	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U
B-3 (Green)	0.5'	2'	4'	6'	8'	10'	15'				
Arsenic (mg/kg)	9.7	2.2	6.2	0.12i	U	0.12i	U	2.1 mg/kg	***	10 ug/L	33/29
4,4-DDE (ug/kg)	U	0.170i	U	-	-	-	-	2,900 ug/kg	18,000 ug/kg	0.1 ug/L	U
Chlordane, total (ug/kg)	75.2	1.88	U	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U
B-4 (Fairway)	0.5'	2'	4'	6'	8'	10'	15'				
Arsenic (mg/kg)	1.9	8.9	0.57	U	U	0.22i	-	2.1 mg/kg	***	10 ug/L	200/160
4,4-DDE (ug/kg)	U	U	1.81	-	-	-	-	2,900 ug/kg	18,000 ug/kg	0.1 ug/L	U
B-5 (Fairway)	0.5'	2'	4'	6'	8'	10'	15'				
Arsenic (mg/kg)	2.0	1.5	0.90	U	U	0.10i	-	2.1 mg/kg	***	10 ug/L	53/50
4,4-DDD (ug/kg)	U	0.377i	U	-	-	-	-	2,900 ug/kg	18,000 ug/kg	0.1 ug/L	U
4,4-DDE (ug/kg)	U	2.30	U	-	-	-	-	2,900 ug/kg	18,000 ug/kg	0.1 ug/L	U
Chlordane, total (ug/kg)	0.125i	U	U	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U
B-6 (Green)	0.5'	2'	4'	6'	8'	10'	15'				
Arsenic (mg/kg)	9.8	0.50i	0.59	0.56	U	U	2.2	2.1 mg/kg	***	10 ug/L	440/320
Heptachlor Epoxide (ug/kg)	U	0.357	0.139i	-	-	-	-	100 ug/kg	600 ug/kg	0.2 ug/L	U
Chlordane, total (ug/kg)	116	30.2	U	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U

Table 1 – Preliminary BSAR Soil and Groundwater Analytical Summary (“Hits” Table)

Boring Name, Location, and Detected Contaminants	Soil Sample Depth and Contaminant Concentration								SCTL DE, R	SCTL L, GW	GCTL	GW Arsenic (total/dissolved)
	0.5'	2'	4'	6'	8'	10'	15'					
B-7 (Green)	0.5'	2'	4'	6'	8'	10'	15'					
Arsenic (mg/kg)	5.5	0.77	2.1	0.12i	0.36i	U	U	2.1 mg/kg	***	10 ug/L	2.0/2.2	
Chlordane, total (ug/kg)	5,700	103	15.5	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U	
Dieldrin (ug/kg)	317	144	0.252i	-	-	-	-	60 ug/kg	2.0 ug/kg	0.002 ug/L	U	
Sample Date 02/02/2017												
B-8 (Fairway)	0.5'	2'	4'	6'	8'	10'	15'					
Arsenic (mg/kg)	1.5	3.1	0.48i	U	U	U	-	2.1 mg/kg	***	10 ug/L	0.80i/U	
Dieldrin (ug/kg)	0.633	0.103i	U	-	-	-	-	60 ug/kg	2.0 ug/kg	0.002 ug/L	U	
B-9 (Tee)	0.5'	2'	4'	6'	8'	10'	15'					
Arsenic (mg/kg)	13	1.2	1.8	2.2	0.65	U	U	2.1 mg/kg	***	10 ug/L	9.4/6.5	
Dieldrin (ug/kg)	3.18	2.36	0.673	-	-	-	-	60 ug/kg	2.0 ug/kg	0.002 ug/L	U	
B-10 (Green)	0.5'	2'	4'	6'	8'	10'	15'					
Arsenic (mg/kg)	23	0.80	1.1	0.25i	U	0.11i	U	2.1 mg/kg	***	10 ug/L	18/13	
Heptachlor Epoxide (ug/kg)	U	2.63	U	-	-	-	-	100 ug/kg	600 ug/kg	0.2 ug/L	U	
Chlordane, total (ug/kg)	1,430	79.6	47.1	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U	
Dieldrin (ug/kg)	78.8	9.46	0.183i	-	-	-	-	60 ug/kg	2.0 ug/kg	0.002 ug/L	U	
Toxaphene, total (ug/kg)	5,210	216	U					900 ug/kg	31,000 ug/kg	3 ug/L	U	
B-11 (Fairway)	0.5'	2'	4'	6'	8'	10'	15'					
Arsenic (mg/kg)	2.9	8.5	0.33i	1.7	3.1	1.8	-	2.1 mg/kg	***	10 ug/L	340/300	
B-12 (Tee)	0.5'	2'	4'	6'	8'	10'	15'					
Arsenic (mg/kg)	2.6	2.9	1.9	1.3	2.4	U	2.2	2.1 mg/kg	***	10 ug/L	380/350	
Chlordane, total (ug/kg)	11.4	U	U	-	-	-	-	2,800 ug/kg	9,600 ug/kg	2 ug/L	U	

Table 1 – Preliminary BSAR Soil and Groundwater Analytical Summary (“Hits” Table)

Soil samples collected using Geoprobe DPT on January 31 and February 2, 2017

Bold = detected concentration greater than its FDEP SCTL

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

- = not analyzed

U = Reported value was analyzed but not detected above the laboratory method detection limit

i = reported value is between the laboratory method detection limit and the practical quantitation limit

*SCTLs based on 1995 values

***SCTL determined on a site-specific basis

Table 2 Arsenic in Soil Grab Samples (2017)

Boring Name	Soil Grab Sample Depth and Arsenic Concentration (mg/kg)						
	0.5'	2'	4'	6'	8'	10'	15'
Jan/Feb 2017							
B-1	5.6	2.3	2.9	2.1	0.24 i	0.70	2.3
B-2	2.9	1.1	1.7	1.5	0.25 i	U	0.26 i
B-3	9.7	2.2	6.2	0.12 i	U	0.12 i	U
B-4	1.9	8.9	0.57	U	U	0.22 i	-
B-5	2.0	1.5	0.90	U	U	0.10 i	-
B-6	9.8	0.50i	0.59	0.56	U	U	2.2
B-7	5.5	0.77	2.1	0.12 i	0.36 i	U	U
B-8	1.5	3.1	0.48 i	U	U	U	-
B-9	13	1.2	1.8	2.2	0.65	U	U
B-10	23	0.80	1.1	0.25 i	U	0.11 i	U
B-11	2.9	8.5	0.33 i	1.7	3.1	1.8	-
B-12	2.6	2.9	1.9	1.3	2.4	U	2.2
May 2017							
B-13	0.112 i	0.003 U	0.003 U	0.003 U	0.629	-	-
B-14	0.538	0.003 U	0.795	0.003 U	0.506	-	-
B-15	1.30	2.47	0.719	0.003 U	1.30	-	-
B-16	14.0	0.889	0.325	0.395	2.80	-	-
B-17	4.10	2.39	2.31	0.229	2.76	-	-
B-18	0.555	0.593	0.458	0.003 U	1.23	0.944	-
B-19	3.10	1.73	2.28	11.0	0.003 U	0.003 U	-
B-20	4.75	1.07	2.65	0.003 U	0.003 U	-	-
B-21	2.27	12.7	0.003 U	0.003 U	0.003 U	0.574	-
B-22	0.967	0.833	0.003 U	0.115 i	0.348	-	-
B-23	5.33	2.29	0.754	0.003 U	0.003 U	-	-
B-24	0.772	0.003 U	0.003 U	0.269	0.003 U	-	-
B-25	1.24	0.439	0.158 i	0.003 U	0.754	-	-
B-26	0.541	1.30	1.64	0.164 i	0.171 i	-	-
B-27	0.095 i	0.120 i	0.111 i	0.137 i	0.003 U	-	-
B-28	7.38	2.43	8.91	0.096 i	0.321	-	-
B-29	2.59	8.71	0.003 U	0.003 U	0.454	-	-
B-30	2.08	0.424	31.9	0.224	2.12	-	-
B-31	3.16	0.900	0.423	0.003 U	0.003 U	-	-

Boring Name	Soil Grab Sample Depth and Arsenic Concentration (mg/kg)						
	0.5'	2'	4'	6'	8'	10'	15'
B-32	6.01	1.77	2.52	2.42	0.387	0.369	-
B-33	3.67	0.245	11.7	4.17	9.91	2.40	-
B-34	4.83	2.63	2.43	0.003 U	0.003 U	-	-
B-35	7.03	1.84	0.959	1.40	0.003 U	0.003 U	-
B-36	14.5	4.06	2.21	1.35	0.334	0.003 U	0.003 U 12'
B-37	15.3	1.83	1.12	2.76	0.003 U	0.003 U	0.003 U 12'
B-38	2.62	2.57	0.449 i	1.05	0.100 U	6.59	0.102 U
B-39	19.3	3.81	2.03	4.47	0.184 i	-	-
B-40	2.61	0.777	0.660	2.72	1.82	0.446 i	-
B-41	2.32	1.08	1.16	0.606	0.468 i	1.80	-
B-42	0.212 i	0.093 U	0.218 i	2.12	-	-	-
B-43	1.78	0.888	0.605	0.242 i	0.093 U	-	-
B-44	0.319 i	0.095 U	0.153 i	1.60	-	-	-
B-45	1.71	2.71	0.395 i	0.093 U	0.896	-	-
B-46	2.38	1.41	0.093 U	0.092 U	0.124 i	-	-
B-47	6.92	0.173 i	0.092 U	0.600	0.883	-	-
B-48	10.5	3.36	2.89	0.091 U	1.62	-	-
B-49	4.56	0.209 i	0.092 U	0.890	-	-	-
B-50	4.64	2.52	0.092 U	0.092 U	-	-	-
B-51	3.34	7.17	0.092 U	0.091 U	9.09	-	-
B-52	5.30	2.54	2.28	0.299 i	0.115 i	-	-
B-53	2.14	1.92	5.74	0.093 U	0.092 U	0.093 U	-
B-54	1.01	0.091 U	0.100 i	1.07	-	-	-
B-55	0.091 U	1.13	0.476 i	0.092 U	0.092 U	-	-
B-56	3.41	1.94	6.11	0.112 i	0.093 U	0.141 i	-
B-57	2.74	2.72	1.26	2.33	0.855	0.909	0.138 i
B-58	2.08	2.54	4.55	0.621	0.092 U	0.428 i	-
B-59	4.53	7.23	3.89	0.373 i	0.119 i	0.092 U	0.094 U
B-60	1.78	1.35	3.93	3.81	0.139 i	0.270 i	-
B-61	3.01	1.47	1.03	0.093 U	0.092 U	0.094 U	-
B-62	3.41	1.10	0.306 i	0.092 U	0.093 U	4.28	-
B-63	0.344 i	0.092 U	0.095 U	0.277 i	-	-	-
B-64	0.345 i	0.094 U	0.151 i	0.120 i	-	-	-
B-65	3.43	0.845	0.096 U	0.092 U	-	-	-
B-66	2.64	2.61	2.05	0.683	-	-	-
B-67	4.62	0.730	2.76	0.122 i	0.092 U	0.093 U	-

Boring Name	Soil Grab Sample Depth and Arsenic Concentration (mg/kg)						
	0.5'	2'	4'	6'	8'	10'	15'
B-68	3.98	0.396 i	0.626	0.120 i	0.092 U	-	-
B-69	7.17	0.371 i	0.092 U	0.098 U	0.100 i	7.87	-
B-70	0.754	0.856	0.939	-	-	-	-
B-71	10.3	1.81	0.221 i	0.644	0.278 i	0.135 i	0.118 i
B-72	1.64	1.54	1.18	2.52	1.04	0.952	0.604
B-73	7.28	4.12	2.39	0.402 i	0.091 U	0.092 U	-
B-74	2.00	0.183 i	0.095 U	0.513 i	-	-	-
B-75	2.41	0.670	1.20	0.399 i	0.144 i	0.324 i	0.128 i
B-76	4.01	1.65	0.099 U	0.094 U	-	-	-
B-77	5.77	2.37	0.093 U	0.120 i	-	-	-
B-78	1.04	2.08	0.145 i	1.01	-	-	-
B-79	4.34	3.27	1.73	0.092 U	0.550	1.39	1.74
B-80	2.36	1.78	1.02	0.512 i	0.260 i	-	-
B-81	2.27	0.825	3.12	0.092 U	-	-	-
B-82	2.38	2.25	0.525	0.893	0.092 U	-	-
B-83	8.11	4.31	1.31	0.179 i	0.103 i	0.091 U	-
B-84	0.416 i	0.131 i	0.091 U	0.091 U	-	-	-
B-85	0.930	0.145 i	0.092 U	11.1	-	-	-
B-86	3.48	1.36	2.45	0.146 i	3.95	-	-
B-87	2.97	1.11	0.111 i	0.245 i	-	-	-
B-88	6.36	0.748	0.154 i	0.093 U	0.102 U	5.07	3.65

Bold = detected concentration greater than its FDEP SCTL

mg/kg = milligrams per kilogram

- = not sampled

U = MDL concentration

i = reported value is between the laboratory method detection limit and the practical quantitation limit

Table 3 Arsenic in Deep Boring Soil Grab Samples (May 2017)

Boring Name	Soil Grab Sample Depth and Arsenic Concentration (mg/kg)										
	0.5'	2'	4'	6'	8'	10'	15'	20'	25'	30'	35'
DB-1	16.8	1.76	0.593	0.373 i	0.124 i	0.118 i	0.101 U	0.174 i	0.129 i	0.117 i	0.102 U
DB-2	23.7	6.98	1.30	0.473	0.121 i	0.160 i	0.096 U	0.214 i	0.126 i	0.229 i	0.145 i
DB-3	17.1	2.98	2.31	0.642	0.205 i	0.092 U	0.379 i	0.633	0.105 U	0.189 i	0.103 U
DB-4	5.86	2.46	0.512	-	-	0.415 i	0.167 i	0.224 i	0.231 i	0.435 i	-
DB-5	10.2	0.456	0.168 i	-	0.254 i	0.233 i	0.462 i	0.309 i	0.158 i	0.156 i	-
DB-6	21.6	2.86	0.164 i	0.096 U	0.069 i	0.099 U	0.143 i	0.569	0.146 i	0.067 i	-
DB-7	11.5	0.439 i	0.078 U	0.086 U	0.073 U	0.075 U	0.129 i	0.059 i	0.207 i	0.154 i	-
DB-8	0.183 i	34.3	5.48	1.53	0.147 i	0.200 i	-	0.098 i	0.207 i	0.089 i	0.089 i
DB-9	7.16	7.74	1.11	0.346 i	0.049 U	0.057 U	0.090 i	0.041 U	0.159 i	0.071 i	-
DB-10	8.14	2.70	3.95	1.22	0.770	0.980	0.146 i	0.024 U	0.109 i	0.116 i	-
DB-11	10.0	4.10	2.35	0.977	0.159 i	0.630	1.21	0.177	0.452	0.375	-
DB-12	6.76	7.18	0.169 i	0.706	1.26	0.983	0.158 i	0.083 U	0.151 i	0.092 U	-
DB-13	34.8	1.80	2.09	4.15	0.158 i	0.102 U	0.147 i	0.683	0.516 i	0.106 U	0.130 i
DB-14	5.79	1.61	1.46	0.094 U	0.104 U	0.092 U	0.098 U	0.102 U	0.095 U	0.138 i	0.151 i
DB-15	3.87	1.59	0.091 U	0.132 i	1.69	0.099 U	0.079 U	0.110 U	0.190 i	0.106	-
DB-16	23.2	7.02	5.26	0.100 i	10.5	40.2	0.219 i	0.117 i	0.093 i	0.069 U	-

Bold = detected concentration greater than its FDEP SCTL

mg/kg = milligrams per kilogram

- = not sampled

U = MDL concentration

i = reported value is between the laboratory method detection limit and the practical quantitation limit

Table 4 SPLP Arsenic in Soil Grab Samples (2017)

Boring Name	Soil Grab Sample Depth (feet)	Total Arsenic (mg/kg)	SPLP Arsenic (mg/L)
B-13	0.5	0.112 i	0.003 i
	2	0.003 U	0.0004 U
	4	0.003 U	0.0004 U
B-14	0.5	0.538	0.01
	2	0.003 U	0.0004 U
	4	0.795	0.0004 U
B-15	0.5	1.3	0.008 i
	2	2.47	0.05
	4	0.719	0.02
B-35	0.5	7.03	0.06
	2	1.84	0.02
	4	0.959	0.07
B-36	0.5	14.5	0.08
	2	4.06	0.02
	4	2.21	0.01
B-37	0.5	15.3	0.04
	2	1.83	0.01
	4	1.12	0.01
DB-1	0.5	16.8	0.07
	2	1.76	0.01
DB-5	0.5	10.2	0.05
	2	0.456	0.003i
DB-6	0.5	21.6	0.3
	2	2.86	0.04
DB-7	0.5	11.5	0.1
	2	0.439i	0.007i
DB-11	0.5	10.0	0.03
	2	4.10	0.03
DB-12	0.5	6.76	0.2
	2	7.18	0.05
DB-13	0.5	34.8	0.2
	2	1.80	0.04

Total vs SPLP Arsenic

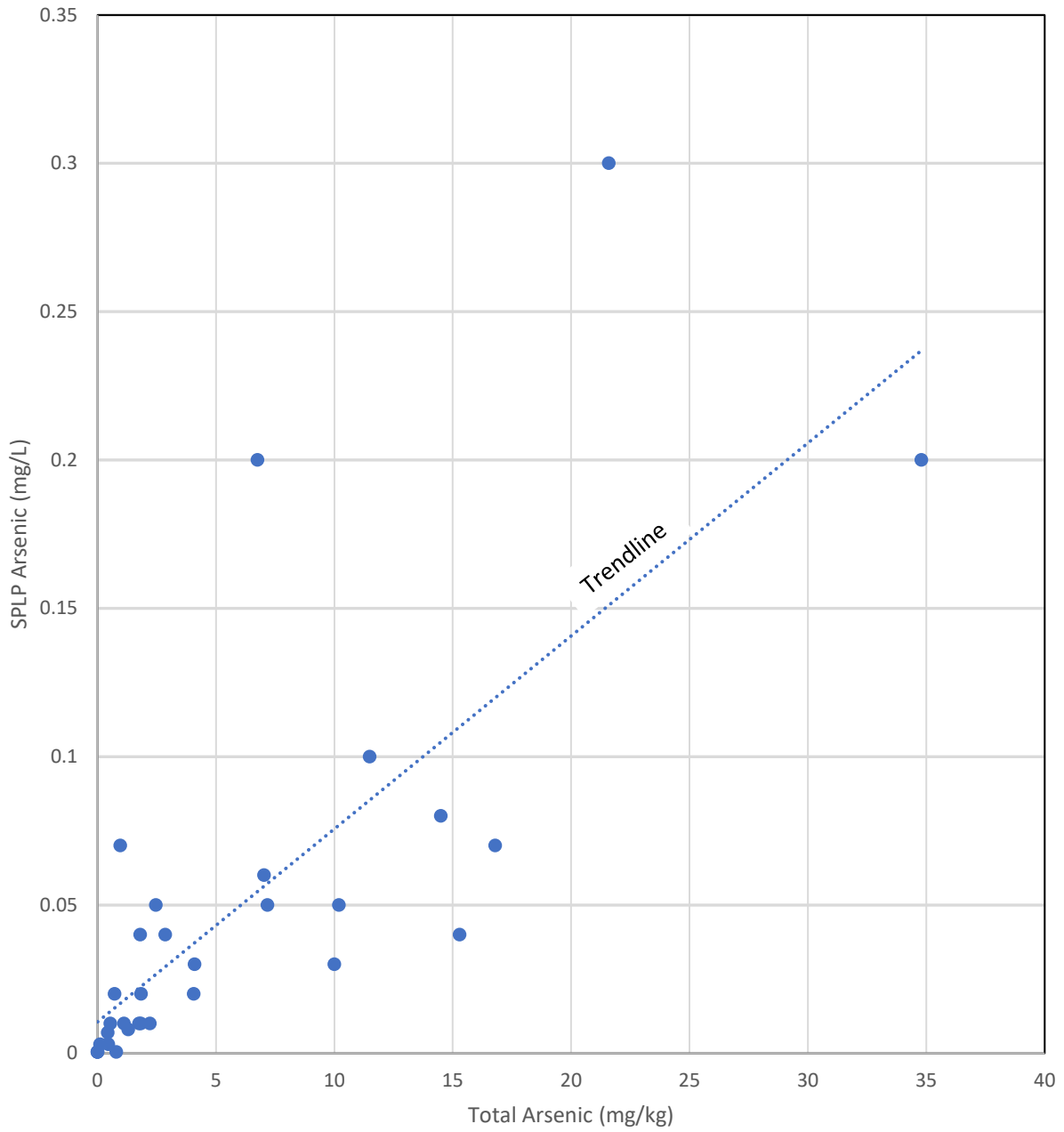


Table 5 Monitor Well Boring Logs

BORING ID	DEPTH	LITHOLOGY
MW-1	0-3'	Medium to light gray to brown fine quartz sand
	3-4'	Medium brown to yellow fine quartz sand
	4-7'	Light gray to white fine quartz sand
	7-8'	Yellowish tan fine quartz sand
MW-2	0-7'	Medium to light gray to brown fine quartz sand
	7-8'	Yellowish brown fine quartz sand
MW-3	0-3'	Medium to light gray to brown fine quartz sand
	3-7'	Light gray to tan fine quartz sand
	7-8'	Dark brown to ochre fine quartz sand
MW-4	0-2'	Medium to light gray to brown fine quartz sand
	2-5'	Tan fine quartz sand
	5-6'	Brown fine quartz sand
	6-7'	Dark brown to ochre fine quartz sand
	7-8'	Tan fine quartz sand
MW-5	0-3'	Medium to light gray to brown fine quartz sand
	3-9'	Light gray fine quartz sand
	9-12'	Light gray to tan fine quartz sand with lime mud at bottom
MW-6	0-4'	Medium brown to gray fine quartz sand (hand auger used)
	4-8'	Medium brown to gray fine quartz sand
MW-7	0-3'	Medium brown to gray fine quartz sand
	3-6'	Medium gray fine quartz sand
	6-8'	Dark brown to ochre fine quartz sand
MW-8	0-3'	Medium to light gray to brown fine quartz sand
	3-6'	Light gray to tan fine quartz sand
	6-8'	Dark brown fine quartz sand
MW-9	0-3'	Medium to light gray to brown fine quartz sand
	3-6'	Light gray to tan fine quartz sand
	6-7'	Dark brown fine quartz sand
	7-8'	Light tan fine quartz sand
MW-10	0-3'	Medium to light gray to brown fine quartz sand
	3-7'	Light gray to tan fine quartz sand
	7-7.5'	Dark brown fine quartz sand
	7.5-8'	Medium tan fine quartz sand
MW-11	0-4'	Medium to light gray to brown fine quartz sand
	4-4.5'	Dark brown fine quartz sand
	4.5-7'	Light tan to gray fine quartz sand
	7-8'	Dark brown fine quartz sand
MW-12	0-2'	Medium to light gray to brown fine quartz sand
	2-6'	Light gray to tan fine quartz sand

	6-8'	Dark brown fine quartz sand
MW-13	0-3'	Medium to light gray to brown fine quartz sand
	3-7.5'	Light gray to tan fine quartz sand
	7.5-8'	Dark brown fine quartz sand
MW-14	0-5'	Medium to light gray to brown fine quartz sand
	5-8'	Light gray to tan fine quartz sand
MW-15	0-3'	Medium to light gray to brown fine quartz sand
	3-6'	Light brown to gray fine quartz sand
	6-8'	Dark brown fine quartz sand
MW-16	0-6'	Medium to light gray to brown fine quartz sand
	6-8'	Light gray to yellow fine quartz sand
	8-10'	Medium brown fine quartz sand
	10-12'	Light gray fine quartz sand
MW-17	0-5'	Medium to light gray to brown fine quartz sand
	5-7'	Light gray to tan fine quartz sand
	7-8'	Dark brown fine quartz sand
MW-18	0-6'	Medium to light gray to brown fine quartz sand
	6-8'	Dark reddish brown fine quartz sand
	8-10'	Light gray laminated fine quartz sand
MW-19	0-6'	Medium to light gray to brown fine quartz sand
	6-7'	Medium tan fine quartz sand
	7-8'	Dark reddish brown fine quartz sand
MW-20	0-7'	Medium to light gray to brown fine quartz sand
	7-8'	Light tan fine quartz sand

Table 6 Arsenic in Monitor Well Groundwater Samples (mg/L)

Monitor Well	Date Sampled	Groundwater Concentration (mg/L)	
		Total	Dissolved
MW-1	04/13/2017	0.0613	0.0618
	08/16/2017	0.0880	0.0850
MW-2	04/13/2017	0.0333	0.0295
	08/16/2017	0.0550	0.0600
MW-3	04/13/2017	0.0340	0.0333
	08/16/2017	0.0350	0.0390
MW-4	04/13/2017	0.0055	0.0031
	08/16/2017	0.0200	0.0210
MW-5	04/14/2017	0.0036 i	0.0025 i
	08/16/2017	0.0021 U	0.0021 U
MW-6	04/13/2017	0.0230	0.0142
	08/16/2017	0.0180	0.0210
MW-7	04/13/2017	0.000377 U	0.000377 U
	08/16/2017	0.0021 U	0.0021 U
MW-8	04/13/2017	0.0361	0.0316
	08/16/2017	0.0720	0.0720
MW-9	04/13/2017	0.000377 U	0.000377 U
	08/16/2017	0.0250	0.0250
MW-10	04/13/2017	0.0533	0.0478
	08/17/2017	0.0830	0.0840
MW-11	04/14/2017	0.1444	0.1564
	08/17/2017	0.0820	0.0860
MW-12	04/14/2017	0.0284	0.0306
	08/17/2017	0.0560	0.0570
MW-13	04/14/2017	0.0255	0.0320
	08/17/2017	0.2100	0.2200
MW-14	04/14/2017	0.0603	0.0692
	08/17/2017	0.0850	0.0910
MW-15	04/14/2017	0.0118	0.0066
	08/17/2017	0.0180	0.0180
MW-16	04/13/2017	0.000377 U	0.000377 U
	08/16/2017	0.0046 i	0.0046 i
MW-17	04/14/2017	0.0098	0.0119
	08/17/2017	0.0220	0.0230
MW-18	04/14/2017	0.0931	0.0989
	08/17/2017	0.2400	0.2500
MW-19	04/14/2017	0.0284	0.0234
	08/17/2017	0.0540	0.0560

Monitor Well	Date Sampled	Groundwater Concentration (mg/L)	
		Total	Dissolved
MW-20	04/14/2017	0.0213	0.0145
	08/17/2017	0.0830	0.0840

All wells installed using *Geoprobe* drilling rig and pre-packed screens and risers

Bold = detected concentration greater than its FDEP GCTL of 0.010 milligrams per liter

mg/L = milligrams per liter (parts per million)

U = Reported value was analyzed but not detected above the laboratory method detection limit

i = reported value is between the laboratory method detection limit and the practical quantitation limit



Environmental Protection and Growth Management Department
ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION
1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

August 24, 2017

Mr. Randall Bast
Fairway Investors, LLC
651 Cardinal St.
Plantation, FL 33324
Also via email: randallbast@gmail.com

RE: Environmental Assessment and Remediation (EAR) Licenses
No. 1281: Century Village Golf Course Parcel 5 (aka Deerfield Crossing)
No. 1282: Century Village Golf Course Parcel 4 (Stormwater Improvement)
No. 1283: Century Village Golf Course Parcels 1, 2, 3 (Recreational)
Filing Address: 450 Century Blvd., Deerfield Beach, FL 33442

Dear Mr. Bast:

The enclosed Environmental Assessment and Remediation (EAR) License Nos. 1281, 1282, and 1283 for the referenced property have been signed by the Environmental Engineering and Permitting Division (Division) and are provided for your records.

A Site Assessment Report (SAR) for the referenced facility, as specified in Chapter 62-780, Florida Administrative Code, is due this office no later than **October 27, 2017**, as stated in Exhibit I of each EAR Licenses. Please note, Section 27-356(d)(4)c., Broward County Code, requires written notification be provided by the responsible party to the Division at least three working days prior to performing field activities at the referenced site.

If you have any questions or require additional information, please contact me at (954) 519-1478 or dvanlandingham@broward.org.

Sincerely,
ENVIRONMENTAL ENGINEERING & PERMITTING DIVISION

A handwritten signature in blue ink, appearing to read "David Vanlandingham", is written over the typed name.

David Vanlandingham, P.E.
Engineering Unit Supervisor

ENCL: EAR Licenses

cc: E. Lee Worsham, Esq., Shutts & Bowen LLP
Stuart J. Gordon, P.E., Toll Brothers Land Development
Edward G. Rahrig, P.G., Edward G. Rahrig, P.G., LLC

ENVIRONMENTAL ASSESSMENT and REMEDIATION LICENSE

LICENSEE:

Fairway Investors, LLC
 Mr. Randall Bast, President
 651 Cardinal St.
 Plantation, FL 33324
Telephone No.:

LICENSE NO.: 1281

FDEP ID NO.: N/A

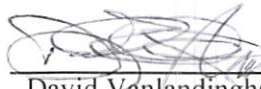
FACILITY NAME/ADDRESS:

Century Village Golf Course Parcel 5
 a.k.a. Deerfield Crossing
 450 Century Blvd.
 Deerfield Beach, FL 33442

This license is issued by the Broward County Environmental Engineering and Permitting Division (EEPD) under the provisions of Section 27-356(d) of the Broward County Natural Resource Protection Code (the Code). The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances. This license is subject to all applicable requirements of the Code as specified in Section 27-58 "General Conditions" and Section 27-356(d)(4) "Operating Requirements." The licensee is hereby directed by EEPD to perform and complete all necessary assessment and remediation activities as applicable, and submit all reports, plans and other pertinent documents as specified in attached Exhibit I for review and/or approval to EEPD in the time periods specified.

The licensee is required to execute and notarize this license in the space provided below and return both original copies to EEPD at the address indicated above within 14 days of receipt. Upon receipt by EEPD, one fully executed original will be returned to the licensee for their records.

APPLICATION RECEIVED: 07/18/2017
 ISSUE DATE: July 28, 2017
 PREPARED BY: D. Vanlandingham
 ANNUAL FEES DUE: *07/28/2018
*Annual fees are due on or before this due date and each year thereafter until EEPD issuance of "No Further Action"


 David Vanlandingham, PE
 Engineering Unit Supervisor
 Cleanup and Waste Regulation Section
 29 August 2017
 Date

I, RANDALL BAST, do hereby agree to the terms and conditions of this license as specified above and in the Code. I also agree to perform all activities necessary to assess and remediate the location/area covered by this license to the full satisfaction of EEPD.

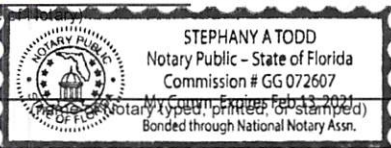
Randall Bast, PRESIDENT
(signature and title of Licensee)

Subscribed and sworn to (or affirmed) before me this 8-17-17 (Date)

STATE OF Florida
 COUNTY OF Broward

by Randall Bast, who (Check one):
 is personally known to me, OR
 has produced _____ as identification.
(type of Identification)

SAT
(signature of Notary) Commission No. GG 072607

Stephany A Todd

 Notary Public - State of Florida
 Commission # GG 072607
 My Comm. Expires Feb 13, 2021
 Bonded through National Notary Assn.

(SEAL ABOVE)

EAR License No.: 1281

EXHIBIT I

Description (location) of the area(s) to be assessed and/or remediated:

Arsenic contamination identified on Parcel 5 as attached hereto and identified in the Site Assessment Report

Prepared by EE&G Environmental Services, LLC, dated September 2014, and the Quarterly Monitoring

Report prepared by Edward G. Rahrig, P.G., LLC, dated May 22, 2017.

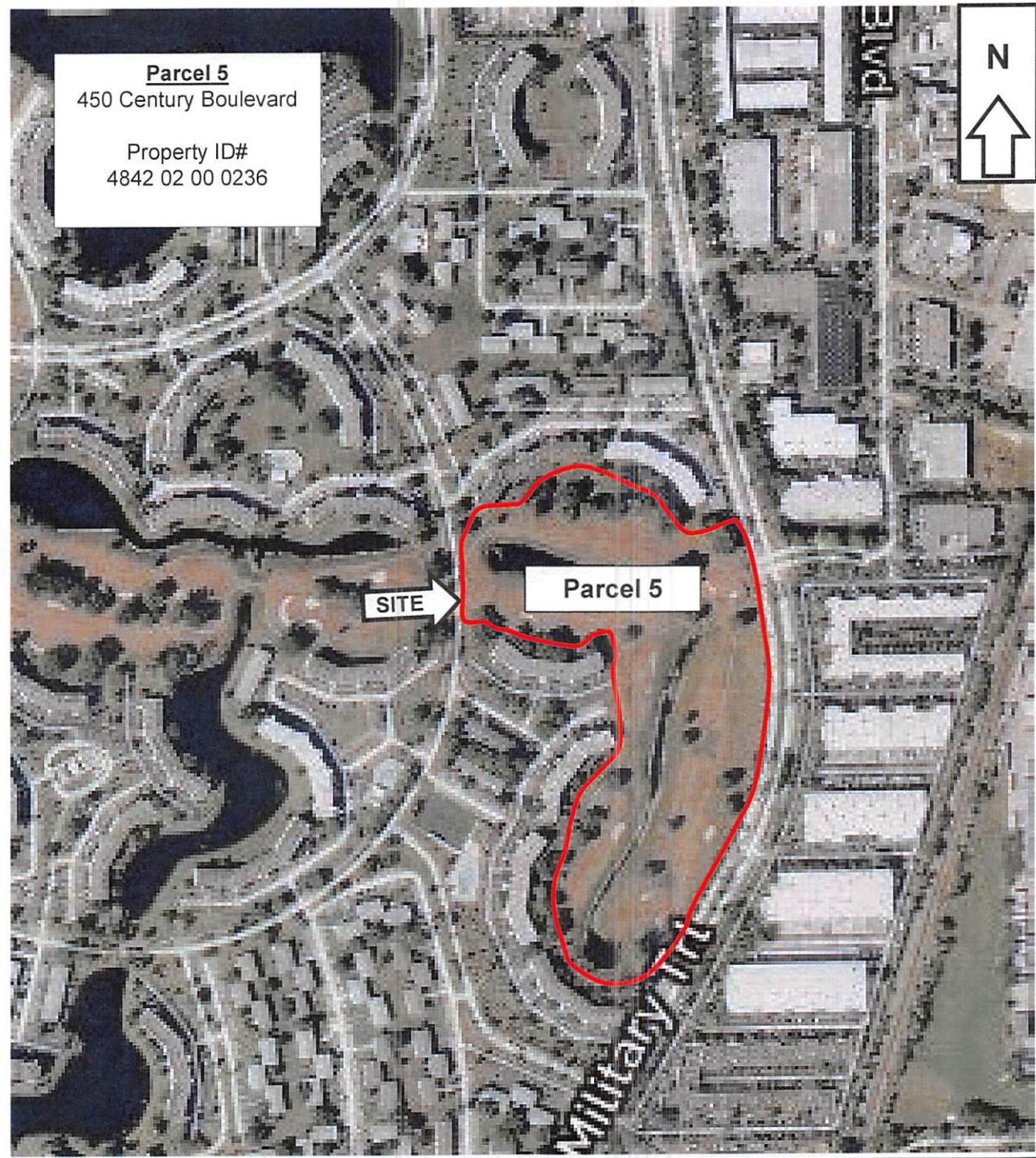
The following (assessment and/or remediation) activities are required to be performed as indicated, and the corresponding reports submitted to EEPD as specified below or as stipulated in future correspondence generated by EEPD:

Site Assessment Report (SAR), Conforming to the requirements of Chapter 62-780, Florida Administrative Code:	October 27, 2017
--	------------------

Future Deliverables	To Be Determined
---------------------	------------------

Parcel 5
 450 Century Boulevard

 Property ID#
 4842 02 00 0236



EDWARD G. RAHRIG, P.G., LLC
 632 Southwest Aster Road
 Port St. Lucie, FL 34953-2905
 Tel: (561) 738-4667 Fax: (888) 848-0816



EAR License Application
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Location Map Parcel 5 Not to Scale	Drawn By	Date:	June 30, 2017	Figure No.:
	ER	Job No.:	62102.02	

ENVIRONMENTAL ASSESSMENT and REMEDIATION LICENSE

LICENSEE:

Fairway Investors, LLC
 Mr. Randall Bast, President
 651 Cardinal St.
 Plantation, FL 33324
Telephone No.:

LICENSE NO.: 1282

FDEP ID NO.: N/A

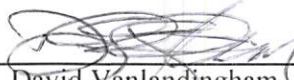
FACILITY NAME/ADDRESS:

Century Village Golf Course Parcel 4
 Stormwater Improvement Parcel
 451 Century Blvd.
 Deerfield Beach, FL 33442

This license is issued by the Broward County Environmental Engineering and Permitting Division (EPPD) under the provisions of Section 27-356(d) of the Broward County Natural Resource Protection Code (the Code). The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances. This license is subject to all applicable requirements of the Code as specified in Section 27-58 "General Conditions" and Section 27-356(d)(4) "Operating Requirements." The licensee is hereby directed by EPPD to perform and complete all necessary assessment and remediation activities as applicable, and submit all reports, plans and other pertinent documents as specified in attached Exhibit I for review and/or approval to EPPD in the time periods specified.

The licensee is required to execute and notarize this license in the space provided below and return both original copies to EPPD at the address indicated above within 14 days of receipt. Upon receipt by EPPD, one fully executed original will be returned to the licensee for their records.

APPLICATION RECEIVED: 07/18/2017
 ISSUE DATE: July 28, 2017
 PREPARED BY: D. Vanlandingham
 ANNUAL FEES DUE: *07/28/2018
 *Annual fees are due on or before this due date and each year thereafter until EPPD issuance of "No Further Action"

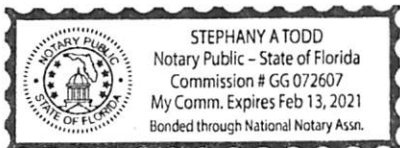

 David Vanlandingham, PE
 Engineering Unit Supervisor
 Cleanup and Waste Regulation Section
 27 August 2017
 Date

I, RANDALL BAST, do hereby agree to the terms and conditions of this license as specified above and in the Code. I also agree to perform all activities necessary to assess and remediate the location/area covered by this license to the full satisfaction of EPPD.
Randall Bast, PRESIDENT
 (signature and title of Licensee)

Subscribed and sworn to (or affirmed) before me this 8-17-17 (Date)

STATE OF Florida
 COUNTY OF Broward

by Randall Bast, who (Check one):
 is personally known to me, OR
 has produced _____ as identification.
 (type of Identification)



(SEAL ABOVE)

SA
 (signature of Notary)
 Commission No. GG 072607
Stephany A Todd
 (name of Notary typed, printed, or stamped)

EAR License No.: 1282

EXHIBIT I

Description (location) of the area(s) to be assessed and/or remediated:

Arsenic contamination identified on Parcel 4 as attached hereto and identified in the Site Assessment Report

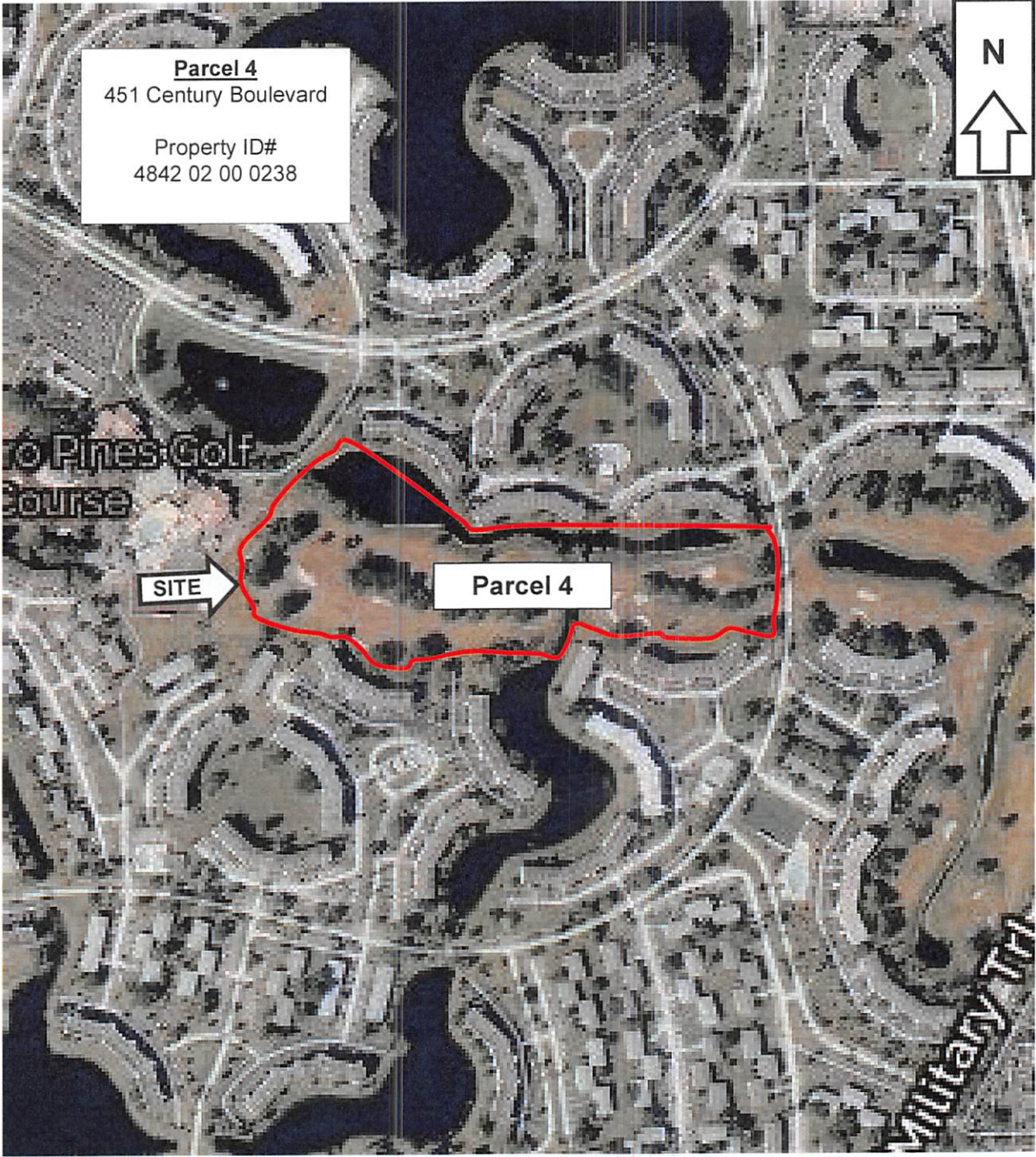
Prepared by EE&G Environmental Services, LLC, dated September 2014, and the Quarterly Monitoring

Report prepared by Edward G. Rahrig, P.G., LLC, dated May 22, 2017.

The following (assessment and/or remediation) activities are required to be performed as indicated, and the corresponding reports submitted to EEPD as specified below or as stipulated in future correspondence generated by EEPD:

Site Assessment Report (SAR), Conforming to the requirements of Chapter 62-780, Florida Administrative Code:	October 27, 2017
--	------------------

Future Deliverables	To Be Determined
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EDWARD G. RAHRIG, P.G., LLC
 632 Southwest Aster Road
 Port St. Lucie, FL 34953-2905
 Tel: (561) 738-4667 Fax: (888) 848-0816



EAR License Application
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Location Map Parcel 4 Not to Scale	Drawn By	Date:	June 30, 2017	Figure No.:
	ER	Job No.:	62102.02	

ENVIRONMENTAL ASSESSMENT and REMEDIATION LICENSE

LICENSEE:

Fairway Investors, LLC
 Mr. Randall Bast, President
 651 Cardinal St.
 Plantation, FL 33324
Telephone No.:

LICENSE NO.: 1283

FDEP ID NO.: N/A


FACILITY NAME/ADDRESS:

Century Village Golf Course Parcels 1,2,
 &3: Recreational Parcels
 2799, 2801, & 2800 Century Blvd.
 Deerfield Beach, FL 33442

This license is issued by the Broward County Environmental Engineering and Permitting Division (EPPD) under the provisions of Section 27-356(d) of the Broward County Natural Resource Protection Code (the Code). The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances. This license is subject to all applicable requirements of the Code as specified in Section 27-58 "General Conditions" and Section 27-356(d)(4) "Operating Requirements." The licensee is hereby directed by EPPD to perform and complete all necessary assessment and remediation activities as applicable, and submit all reports, plans and other pertinent documents as specified in attached Exhibit I for review and/or approval to EPPD in the time periods specified.

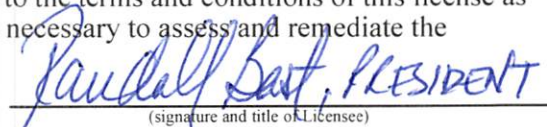
The licensee is required to execute and notarize this license in the space provided below and return both original copies to EPPD at the address indicated above within 14 days of receipt. Upon receipt by EPPD, one fully executed original will be returned to the licensee for their records.

APPLICATION RECEIVED: 07/18/2017
 ISSUE DATE: July 28, 2017
 PREPARED BY: D. Vanlandingham
 ANNUAL FEES DUE: *07/28/2018
*Annual fees are due on or before this due date and each year thereafter until EPPD issuance of "No Further Action"



 David Vanlandingham, PE
 Engineering Unit Supervisor
 Cleanup and Waste Regulation Section
 Date 22 August 2017

I, RANDALL BAST, do hereby agree to the terms and conditions of this license as specified above and in the Code. I also agree to perform all activities necessary to assess and remediate the location/area covered by this license to the full satisfaction of EPPD.

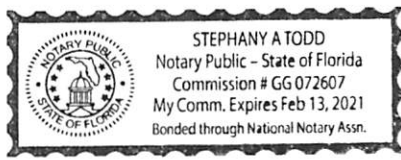


 (signature and title of Licensee)


Subscribed and sworn to (or affirmed) before me this 8-17-17 (Date)

STATE OF Florida
 COUNTY OF Broward

by Randall Bast, who (Check one):
 is personally known to me, OR
 _____ has produced _____ as identification.
(type of Identification)



(SEAL ABOVE)



 (signature of Notary)
 Commission No GG 072607

 (name of Notary typed, printed, or stamped)

EAR License No.: 1283

EXHIBIT I

Description (location) of the area(s) to be assessed and/or remediated:

Arsenic contamination identified on Parcel 4 as attached hereto and identified in the Site Assessment Report

Prepared by EE&G Environmental Services, LLC, dated September 2014, and the Quarterly Monitoring

Report prepared by Edward G. Rahrig, P.G., LLC, dated May 22, 2017.

The following (assessment and/or remediation) activities are required to be performed as indicated, and the corresponding reports submitted to EEPD as specified below or as stipulated in future correspondence generated by EEPD:

Site Assessment Report (SAR), Conforming to the requirements of Chapter 62-780, Florida Administrative Code:	October 27, 2017
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Future Deliverables	To Be Determined
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Parcel 1
 2799 Century Boulevard
 Property ID#
 4842 03 00 0140

Parcel 2
 2801 Century Boulevard
 Property ID#
 4842 03 00 0234

Parcel 3
 2800 Century Boulevard
 Property ID#
 4842 03 00 0233

EDWARD G. RAHRIG, P.G., LLC
 632 Southwest Aster Road
 Port St. Lucie, FL 34953-2905
 Tel: (561) 738-4667 Fax: (888) 848-0816



EAR License Application
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Location Map Parcels 1, 2, and 3 Not to Scale	Drawn By	Date:	June 30, 2017	Figure No.:
	ER	Job No.:	62102.02	

February 14, 2017

Edward Rahrig
Edward Rahrig
632 SW Aster Rd
Port Saint Lucie, FL 34953

RE: LOG# 1750135
Project ID: Hillsboro GC
COC# 1750135

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, January 31, 2017. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

FDOH# E86546
CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..



SAMPLE ANALYTE COUNT

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750135001	B-1-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135002	B-1-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135003	B-1-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135004	B-1-6	EPA 6020	1
		SM 2540G	1
1750135005	B-1-8	EPA 6020	1
		SM 2540G	1
1750135006	B-1-10	EPA 6020	1
		SM 2540G	1
1750135007	B-1-15	EPA 6020	1
		SM 2540G	1
1750135009	B-1	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750135010	B-2-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135011	B-2-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135012	B-2-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135013	B-2-6	EPA 6020	1
		SM 2540G	1
1750135014	B-2-8	EPA 6020	1
		SM 2540G	1
1750135015	B-2-10	EPA 6020	1

FDOH# E86546

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SAMPLE ANALYTE COUNT

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750135015	B-2-10	SM 2540G	1
1750135016	B-2-15	EPA 6020	1
		SM 2540G	1
1750135017	B-2	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750135018	B-3-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135019	B-3-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135020	B-3-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135021	B-3-6	EPA 6020	1
		SM 2540G	1
1750135022	B-3-8	EPA 6020	1
		SM 2540G	1
1750135023	B-3-10	EPA 6020	1
		SM 2540G	1
1750135024	B-3-15	EPA 6020	1
		SM 2540G	1
1750135025	B-3	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750135026	B-4-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135027	B-4-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135028	B-4-4	EPA 6020	1
		EPA 8081 (GC)	24

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SAMPLE ANALYTE COUNT

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750135028	B-4-4	SM 2540G	1
1750135029	B-4-6	EPA 6020	1
		SM 2540G	1
1750135030	B-4-8	EPA 6020	1
		SM 2540G	1
1750135031	B-4-10	EPA 6020	1
		SM 2540G	1
1750135032	B-4	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750135033	B-5-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135034	B-5-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135035	B-5-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135036	B-5-6	EPA 6020	1
		SM 2540G	1
1750135037	B-5-8	EPA 6020	1
		SM 2540G	1
1750135038	B-5-10	EPA 6020	1
		SM 2540G	1
1750135039	B-5	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750135040	B-6-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135041	B-6-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1

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SAMPLE ANALYTE COUNT

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750135042	B-6-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135043	B-6-6	EPA 6020	1
		SM 2540G	1
1750135044	B-6-8	EPA 6020	1
		SM 2540G	1
1750135045	B-6-10	EPA 6020	1
		SM 2540G	1
1750135046	B-6-15	EPA 6020	1
		SM 2540G	1
1750135047	B-6	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750135048	B-7-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135049	B-7-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135050	B-7-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750135051	B-7-6	EPA 6020	1
		SM 2540G	1
1750135052	B-7-8	EPA 6020	1
		SM 2540G	1
1750135053	B-7-10	EPA 6020	1
		SM 2540G	1
1750135054	B-7-15	EPA 6020	1
		SM 2540G	1
1750135055	B-7	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24

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SAMPLE SUMMARY

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1750135001	B-1-0.5	Soil/Solid	1/31/2017 09:39	1/31/2017 16:45
1750135002	B-1-2	Soil/Solid	1/31/2017 09:40	1/31/2017 16:45
1750135003	B-1-4	Soil/Solid	1/31/2017 09:41	1/31/2017 16:45
1750135004	B-1-6	Soil/Solid	1/31/2017 09:42	1/31/2017 16:45
1750135005	B-1-8	Soil/Solid	1/31/2017 09:43	1/31/2017 16:45
1750135006	B-1-10	Soil/Solid	1/31/2017 09:44	1/31/2017 16:45
1750135007	B-1-15	Soil/Solid	1/31/2017 09:45	1/31/2017 16:45
1750135008	NO SAMPLE	Soil/Solid		1/31/2017 16:45
1750135009	B-1	Aqueous Liquid	1/31/2017 10:10	1/31/2017 16:45
1750135010	B-2-0.5	Soil/Solid	1/31/2017 10:30	1/31/2017 16:45
1750135011	B-2-2	Soil/Solid	1/31/2017 10:31	1/31/2017 16:45
1750135012	B-2-4	Soil/Solid	1/31/2017 10:32	1/31/2017 16:45
1750135013	B-2-6	Soil/Solid	1/31/2017 10:33	1/31/2017 16:45
1750135014	B-2-8	Soil/Solid	1/31/2017 10:34	1/31/2017 16:45
1750135015	B-2-10	Soil/Solid	1/31/2017 10:35	1/31/2017 16:45
1750135016	B-2-15	Soil/Solid	1/31/2017 10:36	1/31/2017 16:45
1750135017	B-2	Aqueous Liquid	1/31/2017 11:07	1/31/2017 16:45
1750135018	B-3-0.5	Soil/Solid	1/31/2017 11:37	1/31/2017 16:45
1750135019	B-3-2	Soil/Solid	1/31/2017 11:38	1/31/2017 16:45
1750135020	B-3-4	Soil/Solid	1/31/2017 11:39	1/31/2017 16:45
1750135021	B-3-6	Soil/Solid	1/31/2017 11:40	1/31/2017 16:45
1750135022	B-3-8	Soil/Solid	1/31/2017 11:41	1/31/2017 16:45
1750135023	B-3-10	Soil/Solid	1/31/2017 11:42	1/31/2017 16:45
1750135024	B-3-15	Soil/Solid	1/31/2017 11:43	1/31/2017 16:45
1750135025	B-3	Aqueous Liquid	1/31/2017 12:15	1/31/2017 16:45
1750135026	B-4-0.5	Soil/Solid	1/31/2017 12:35	1/31/2017 16:45
1750135027	B-4-2	Soil/Solid	1/31/2017 12:36	1/31/2017 16:45
1750135028	B-4-4	Soil/Solid	1/31/2017 12:37	1/31/2017 16:45
1750135029	B-4-6	Soil/Solid	1/31/2017 12:38	1/31/2017 16:45
1750135030	B-4-8	Soil/Solid	1/31/2017 12:39	1/31/2017 16:45
1750135031	B-4-10	Soil/Solid	1/31/2017 12:40	1/31/2017 16:45
1750135032	B-4	Aqueous Liquid	1/31/2017 12:52	1/31/2017 16:45
1750135033	B-5-0.5	Soil/Solid	1/31/2017 13:10	1/31/2017 16:45
1750135034	B-5-2	Soil/Solid	1/31/2017 13:11	1/31/2017 16:45
1750135035	B-5-4	Soil/Solid	1/31/2017 13:12	1/31/2017 16:45

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SAMPLE SUMMARY

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1750135036	B-5-6	Soil/Solid	1/31/2017 13:13	1/31/2017 16:45
1750135037	B-5-8	Soil/Solid	1/31/2017 13:14	1/31/2017 16:45
1750135038	B-5-10	Soil/Solid	1/31/2017 13:15	1/31/2017 16:45
1750135039	B-5	Aqueous Liquid	1/31/2017 13:25	1/31/2017 16:45
1750135040	B-6-0.5	Soil/Solid	1/31/2017 13:38	1/31/2017 16:45
1750135041	B-6-2	Soil/Solid	1/31/2017 13:39	1/31/2017 16:45
1750135042	B-6-4	Soil/Solid	1/31/2017 13:40	1/31/2017 16:45
1750135043	B-6-6	Soil/Solid	1/31/2017 13:41	1/31/2017 16:45
1750135044	B-6-8	Soil/Solid	1/31/2017 13:42	1/31/2017 16:45
1750135045	B-6-10	Soil/Solid	1/31/2017 13:43	1/31/2017 16:45
1750135046	B-6-15	Soil/Solid	1/31/2017 13:44	1/31/2017 16:45
1750135047	B-6	Aqueous Liquid	1/31/2017 14:00	1/31/2017 16:45
1750135048	B-7-0.5	Soil/Solid	1/31/2017 14:20	1/31/2017 16:45
1750135049	B-7-2	Soil/Solid	1/31/2017 14:21	1/31/2017 16:45
1750135050	B-7-4	Soil/Solid	1/31/2017 14:22	1/31/2017 16:45
1750135051	B-7-6	Soil/Solid	1/31/2017 14:23	1/31/2017 16:45
1750135052	B-7-8	Soil/Solid	1/31/2017 14:24	1/31/2017 16:45
1750135053	B-7-10	Soil/Solid	1/31/2017 14:25	1/31/2017 16:45
1750135054	B-7-15	Soil/Solid	1/31/2017 14:26	1/31/2017 16:45
1750135055	B-7	Aqueous Liquid	1/31/2017 14:40	1/31/2017 16:45

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135001** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-0.5** Date Collected: 1/31/2017 09:39

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.9	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	51	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	65	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
4,4'-DDD		U ug/Kg	0.341	0.067	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
4,4'-DDE		U ug/Kg	0.362	0.072	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
4,4'-DDT		U ug/Kg	0.838	0.168	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Aldrin		U ug/Kg	0.372	0.073	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
a-BHC		U ug/Kg	0.331	0.066	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
a-Chlordane		U ug/Kg	0.466	0.092	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
b-BHC		U ug/Kg	0.455	0.090	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
d-BHC		U ug/Kg	0.331	0.065	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Dieldrin		U ug/Kg	0.352	0.070	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Endosulfan I		U ug/Kg	0.362	0.072	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Endosulfan II		U ug/Kg	0.507	0.100	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Endosulfan sulfate		U ug/Kg	0.693	0.138	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Endrin		U ug/Kg	0.403	0.080	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Endrin Aldehyde		U ug/Kg	0.403	0.080	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Endrin Ketone		U ug/Kg	0.776	0.154	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
g-BHC (Lindane)		U ug/Kg	0.372	0.074	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
g-Chlordane		U ug/Kg	0.362	0.071	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Heptachlor		U ug/Kg	0.476	0.095	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Heptachlor epoxide		U ug/Kg	0.310	0.061	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Methoxychlor		U ug/Kg	0.528	0.106	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Total Chlordane		U ug/Kg	0.817	0.163	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Total Toxaphene		U ug/Kg	13.2	2.64	1	2/1/2017 11:07	CM	2/2/2017 09:01	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	5.6	mg/Kg	0.52	0.085	2	2/1/2017 13:41	ZS	2/1/2017 19:34	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135002** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-2** Date Collected: 1/31/2017 09:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.0	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	56	%	50-130		1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	66	%	50-130		1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
4,4'-DDD		U ug/Kg	0.342	0.067	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
4,4'-DDE		U ug/Kg	0.363	0.073	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
4,4'-DDT		U ug/Kg	0.840	0.168	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Aldrin		U ug/Kg	0.373	0.074	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
a-BHC		U ug/Kg	0.332	0.066	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
a-Chlordane		U ug/Kg	0.466	0.092	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
b-BHC		U ug/Kg	0.456	0.090	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
d-BHC		U ug/Kg	0.332	0.065	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Dieldrin		U ug/Kg	0.352	0.070	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Endosulfan I		U ug/Kg	0.363	0.073	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Endosulfan II		U ug/Kg	0.508	0.101	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Endosulfan sulfate		U ug/Kg	0.695	0.138	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Endrin		U ug/Kg	0.404	0.080	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Endrin Aldehyde		U ug/Kg	0.404	0.080	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Endrin Ketone		U ug/Kg	0.777	0.154	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
g-BHC (Lindane)		U ug/Kg	0.373	0.075	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
g-Chlordane		U ug/Kg	0.363	0.072	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Heptachlor		U ug/Kg	0.477	0.095	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Heptachlor epoxide		U ug/Kg	0.311	0.061	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Methoxychlor		U ug/Kg	0.529	0.106	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Total Chlordane		U ug/Kg	0.819	0.164	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Total Toxaphene		U ug/Kg	13.2	2.64	1	2/1/2017 11:07	CM	2/6/2017 13:35	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.3	mg/Kg	0.52	0.085	2	2/1/2017 13:41	ZS	2/1/2017 19:38	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135003** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-4** Date Collected: 1/31/2017 09:41

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	97.7 %	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	78 %	50-130		1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	90 %	50-130		1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
4,4'-DDD	U ug/Kg	0.387	0.076	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
4,4'-DDE	U ug/Kg	0.411	0.082	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
4,4'-DDT	U ug/Kg	0.951	0.190	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Aldrin	U ug/Kg	0.423	0.083	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
a-BHC	U ug/Kg	0.376	0.075	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
a-Chlordane	U ug/Kg	0.528	0.104	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
b-BHC	U ug/Kg	0.517	0.102	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
d-BHC	U ug/Kg	0.376	0.074	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Dieldrin	U ug/Kg	0.399	0.080	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Endosulfan I	U ug/Kg	0.411	0.082	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Endosulfan II	U ug/Kg	0.575	0.114	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Endosulfan sulfate	U ug/Kg	0.787	0.156	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Endrin	U ug/Kg	0.458	0.090	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Endrin Aldehyde	U ug/Kg	0.458	0.090	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Endrin Ketone	U ug/Kg	0.881	0.175	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
g-BHC (Lindane)	U ug/Kg	0.423	0.085	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
g-Chlordane	U ug/Kg	0.411	0.081	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Heptachlor	U ug/Kg	0.540	0.108	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Heptachlor epoxide	U ug/Kg	0.352	0.069	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Methoxychlor	U ug/Kg	0.599	0.120	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Total Chlordane	U ug/Kg	0.927	0.185	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Total Toxaphene	U ug/Kg	15.0	2.99	1	2/1/2017 11:07	CM	2/2/2017 10:17	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	2.9 mg/Kg	0.51	0.084	2	2/1/2017 13:41	ZS	2/1/2017 20:00	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135004** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-6** Date Collected: 1/31/2017 09:42

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.1	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	2.1	mg/Kg	0.52	0.084	2	2/1/2017 13:41	ZS	2/1/2017 20:05	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135005** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-8** Date Collected: 1/31/2017 09:43

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	94.3	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.24i	mg/Kg	0.53	0.087	2	2/1/2017 13:41	ZS	2/1/2017 20:09	ZS	

ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135006** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-10** Date Collected: 1/31/2017 09:44

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	90.8	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.70	mg/Kg	0.55	0.090	2	2/1/2017 13:41	ZS	2/1/2017 20:13	ZS	

ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135007** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-1-15** Date Collected: 1/31/2017 09:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	88.7	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.3	mg/Kg	0.56	0.092	2	2/1/2017 13:41	ZS	2/1/2017 20:18	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135009** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-1** Date Collected: 1/31/2017 10:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	42	%	50-130		1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	43	%	50-130		1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	J2
4,4'-DDD		U ug/L	0.0019	0.00056	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
a-Chlordane		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
d-BHC		U ug/L	0.0022	0.0011	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Endosulfan I		U ug/L	0.0022	0.0011	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Endrin		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Endrin Aldehyde		U ug/L	0.0019	0.00068	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Endrin Ketone		U ug/L	0.0019	0.00080	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
g-Chlordane		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Total Chlordane		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	2/1/2017 10:15	BFM	2/1/2017 23:54	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	60	ug/L	2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 17:45	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	46	ug/L	2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:23	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135010** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-0.5** Date Collected: 1/31/2017 10:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.6	%	0.1		1			2/1/2017 16:27	CM	

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	77	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	191	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	J2
4,4'-DDD		U ug/Kg	0.390	0.077	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
4,4'-DDE		U ug/Kg	0.414	0.083	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
4,4'-DDT		U ug/Kg	0.958	0.192	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Aldrin		U ug/Kg	0.426	0.084	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
a-BHC		U ug/Kg	0.378	0.076	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
a-Chlordane	0.887	ug/Kg	0.532	0.105	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
b-BHC		U ug/Kg	0.520	0.103	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
d-BHC		U ug/Kg	0.378	0.075	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Dieldrin		U ug/Kg	0.402	0.080	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Endosulfan I		U ug/Kg	0.414	0.083	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Endosulfan II		U ug/Kg	0.580	0.115	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Endosulfan sulfate		U ug/Kg	0.792	0.157	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Endrin		U ug/Kg	0.461	0.091	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Endrin Aldehyde		U ug/Kg	0.461	0.091	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Endrin Ketone		U ug/Kg	0.887	0.176	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
g-BHC (Lindane)		U ug/Kg	0.426	0.085	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
g-Chlordane	0.337i	ug/Kg	0.414	0.082	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Heptachlor		U ug/Kg	0.544	0.109	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Heptachlor epoxide		U ug/Kg	0.355	0.070	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Methoxychlor		U ug/Kg	0.603	0.121	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Total Chlordane	5.91	ug/Kg	0.934	0.187	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	
Total Toxaphene		U ug/Kg	15.1	3.02	1	2/1/2017 11:07	CM	2/2/2017 10:32	BFM	

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.9	mg/Kg	0.52	0.085	2	2/1/2017 13:41	ZS	2/1/2017 20:22	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135011** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-2** Date Collected: 1/31/2017 10:31

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.2	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	77	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	104	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
4,4'-DDD		U ug/Kg	0.359	0.071	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
4,4'-DDE		U ug/Kg	0.380	0.076	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
4,4'-DDT		U ug/Kg	0.881	0.176	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Aldrin		U ug/Kg	0.391	0.077	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
a-BHC		U ug/Kg	0.348	0.070	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
a-Chlordane	1.08	ug/Kg	0.489	0.097	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
b-BHC		U ug/Kg	0.478	0.095	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
d-BHC		U ug/Kg	0.348	0.068	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Dieldrin		U ug/Kg	0.370	0.074	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Endosulfan I		U ug/Kg	0.380	0.076	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Endosulfan II		U ug/Kg	0.533	0.105	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Endosulfan sulfate		U ug/Kg	0.728	0.145	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Endrin		U ug/Kg	0.424	0.084	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Endrin Aldehyde		U ug/Kg	0.424	0.084	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Endrin Ketone		U ug/Kg	0.815	0.162	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
g-BHC (Lindane)		U ug/Kg	0.391	0.078	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
g-Chlordane	0.392	ug/Kg	0.380	0.075	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Heptachlor		U ug/Kg	0.500	0.100	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Heptachlor epoxide		U ug/Kg	0.326	0.064	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Methoxychlor		U ug/Kg	0.554	0.111	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Total Chlordane	4.77	ug/Kg	0.859	0.172	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Total Toxaphene		U ug/Kg	13.9	2.77	1	2/1/2017 11:07	CM	2/2/2017 10:47	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.1	mg/Kg	0.51	0.084	2	2/1/2017 13:41	ZS	2/1/2017 20:26	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135012** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-4** Date Collected: 1/31/2017 10:32

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.8	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	72	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	88	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
4,4'-DDD		U ug/Kg	0.398	0.078	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
4,4'-DDE		U ug/Kg	0.422	0.084	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
4,4'-DDT		U ug/Kg	0.977	0.195	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Aldrin		U ug/Kg	0.434	0.086	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
a-BHC		U ug/Kg	0.386	0.077	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
a-Chlordane	0.675	ug/Kg	0.543	0.107	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
b-BHC		U ug/Kg	0.531	0.105	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
d-BHC		U ug/Kg	0.386	0.076	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Dieldrin		U ug/Kg	0.410	0.082	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Endosulfan I		U ug/Kg	0.422	0.084	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Endosulfan II		U ug/Kg	0.591	0.117	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Endosulfan sulfate		U ug/Kg	0.808	0.160	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Endrin		U ug/Kg	0.470	0.093	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Endrin Aldehyde		U ug/Kg	0.470	0.093	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Endrin Ketone		U ug/Kg	0.905	0.180	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
g-BHC (Lindane)		U ug/Kg	0.434	0.087	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
g-Chlordane	0.541	ug/Kg	0.422	0.083	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Heptachlor		U ug/Kg	0.555	0.111	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Heptachlor epoxide	0.285i	ug/Kg	0.362	0.071	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Methoxychlor		U ug/Kg	0.615	0.123	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Total Chlordane	4.50	ug/Kg	0.953	0.191	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Total Toxaphene		U ug/Kg	15.4	3.08	1	2/1/2017 11:07	CM	2/2/2017 11:02	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	1.7	mg/Kg	0.52	0.085	2	2/1/2017 13:41	ZS	2/1/2017 20:31	ZS	

ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135013** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-6** Date Collected: 1/31/2017 10:33

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.2	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.5	mg/Kg	0.52	0.085	2	2/1/2017 13:41	ZS	2/1/2017 20:35	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135014** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-8** Date Collected: 1/31/2017 10:34

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	96.7	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.25i	mg/Kg	0.52	0.085	2	2/1/2017 13:41	ZS	2/1/2017 20:40	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135015** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-10** Date Collected: 1/31/2017 10:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.4 %		0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	U mg/Kg		0.51	0.084	2	2/1/2017 13:49	ZS	2/1/2017 21:32	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135016** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-2-15** Date Collected: 1/31/2017 10:36

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	90.1	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.26i	mg/Kg	0.55	0.091	2	2/1/2017 13:49	ZS	2/1/2017 21:36	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135017** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-2** Date Collected: 1/31/2017 11:07

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	44	%	50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	39	%	50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	J2
4,4'-DDD		U ug/L	0.0019	0.00056	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
a-Chlordane		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
d-BHC		U ug/L	0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Endosulfan I		U ug/L	0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Endrin		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Endrin Aldehyde		U ug/L	0.0019	0.00068	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Endrin Ketone		U ug/L	0.0019	0.00080	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
g-Chlordane		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Total Chlordane		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	2/1/2017 10:15	BFM	2/2/2017 00:10	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	4.6	ug/L	2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 17:50	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	4.1	ug/L	2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:27	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135018** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-0.5** Date Collected: 1/31/2017 11:37

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	98.8	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	76	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	270	%	50-130		1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	J2
4,4'-DDD		U ug/Kg	0.510	0.100	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
4,4'-DDE		U ug/Kg	0.540	0.108	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
4,4'-DDT		U ug/Kg	1.25	0.250	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Aldrin		U ug/Kg	0.556	0.110	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
a-BHC		U ug/Kg	0.494	0.099	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
a-Chlordane	10.6	ug/Kg	0.695	0.137	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
b-BHC		U ug/Kg	0.679	0.134	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
d-BHC		U ug/Kg	0.494	0.097	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Dieldrin		U ug/Kg	0.525	0.105	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Endosulfan I		U ug/Kg	0.540	0.108	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Endosulfan II		U ug/Kg	0.757	0.150	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Endosulfan sulfate		U ug/Kg	1.03	0.205	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Endrin		U ug/Kg	0.602	0.119	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Endrin Aldehyde		U ug/Kg	0.602	0.119	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Endrin Ketone		U ug/Kg	1.16	0.230	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
g-BHC (Lindane)		U ug/Kg	0.556	0.111	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
g-Chlordane	5.40	ug/Kg	0.540	0.107	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Heptachlor		U ug/Kg	0.710	0.142	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Heptachlor epoxide		U ug/Kg	0.463	0.091	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Methoxychlor		U ug/Kg	0.788	0.158	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Total Chlordane	75.2	ug/Kg	1.22	0.244	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Total Toxaphene		U ug/Kg	19.7	3.94	1	2/1/2017 11:07	CM	2/2/2017 11:17	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	9.7	mg/Kg	0.51	0.083	2	2/1/2017 13:49	ZS	2/1/2017 21:41	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135019** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-2** Date Collected: 1/31/2017 11:38

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	93.8 %		0.1		1			2/1/2017 16:27		CM
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Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	81 %		50-130		1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	94 %		50-130		1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
4,4'-DDD	U ug/Kg		0.372	0.073	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
4,4'-DDE	0.170i ug/Kg		0.394	0.079	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
4,4'-DDT	U ug/Kg		0.913	0.183	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Aldrin	U ug/Kg		0.406	0.080	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
a-BHC	U ug/Kg		0.361	0.072	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
a-Chlordane	0.365i ug/Kg		0.507	0.100	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
b-BHC	U ug/Kg		0.496	0.098	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
d-BHC	U ug/Kg		0.361	0.071	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Dieldrin	U ug/Kg		0.383	0.077	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Endosulfan I	U ug/Kg		0.394	0.079	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Endosulfan II	U ug/Kg		0.552	0.109	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Endosulfan sulfate	U ug/Kg		0.755	0.150	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Endrin	U ug/Kg		0.439	0.087	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Endrin Aldehyde	U ug/Kg		0.439	0.087	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Endrin Ketone	U ug/Kg		0.845	0.168	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
g-BHC (Lindane)	U ug/Kg		0.406	0.081	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
g-Chlordane	0.248i ug/Kg		0.394	0.078	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Heptachlor	U ug/Kg		0.518	0.104	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Heptachlor epoxide	U ug/Kg		0.338	0.066	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Methoxychlor	U ug/Kg		0.575	0.115	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Total Chlordane	1.88 ug/Kg		0.890	0.178	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM
Total Toxaphene	U ug/Kg		14.4	2.87	1	2/1/2017 11:07	CM	2/2/2017 11:32		BFM

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S) Preparation Method: EPA 3050B

Analytical Method: EPA 6020

Arsenic	2.2 mg/Kg		0.53	0.087	2	2/1/2017 13:49	ZS	2/1/2017 21:45		ZS
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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135020** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-4** Date Collected: 1/31/2017 11:39

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	92.5	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	64	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	79	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
4,4'-DDD		U ug/Kg	0.372	0.073	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
4,4'-DDE		U ug/Kg	0.395	0.079	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
4,4'-DDT		U ug/Kg	0.913	0.183	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Aldrin		U ug/Kg	0.406	0.080	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
a-BHC		U ug/Kg	0.361	0.072	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
a-Chlordane		U ug/Kg	0.507	0.100	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
b-BHC		U ug/Kg	0.496	0.098	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
d-BHC		U ug/Kg	0.361	0.071	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Dieldrin		U ug/Kg	0.383	0.077	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Endosulfan I		U ug/Kg	0.395	0.079	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Endosulfan II		U ug/Kg	0.552	0.109	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Endosulfan sulfate		U ug/Kg	0.755	0.150	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Endrin		U ug/Kg	0.440	0.087	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Endrin Aldehyde		U ug/Kg	0.440	0.087	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Endrin Ketone		U ug/Kg	0.845	0.168	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
g-BHC (Lindane)		U ug/Kg	0.406	0.081	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
g-Chlordane		U ug/Kg	0.395	0.078	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Heptachlor		U ug/Kg	0.519	0.104	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Heptachlor epoxide		U ug/Kg	0.338	0.067	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Methoxychlor		U ug/Kg	0.575	0.115	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Total Chlordane		U ug/Kg	0.890	0.178	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Total Toxaphene		U ug/Kg	14.4	2.87	1	2/1/2017 12:54	CM	2/2/2017 17:25	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	6.2	mg/Kg	0.54	0.089	2	2/1/2017 13:49	ZS	2/1/2017 21:50	ZS	

ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135021** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-6** Date Collected: 1/31/2017 11:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	91.0	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.12i	mg/Kg	0.55	0.090	2	2/1/2017 13:49	ZS	2/1/2017 21:54	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135022** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-8** Date Collected: 1/31/2017 11:41

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.1	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.54	0.088	2	2/1/2017 13:49	ZS	2/1/2017 21:58	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135023** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-10** Date Collected: 1/31/2017 11:42

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.6	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.12i	mg/Kg	0.53	0.088	2	2/1/2017 13:49	ZS	2/1/2017 22:03	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135024** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-3-15** Date Collected: 1/31/2017 11:43

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.3	%	0.1		1			2/1/2017 16:27	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.52	0.085	2	2/1/2017 13:49	ZS	2/1/2017 22:07	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135025** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-3** Date Collected: 1/31/2017 12:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	58 %		50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	53 %		50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/1/2017 10:15	BFM	2/2/2017 00:25	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	33 ug/L		2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 17:54	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	29 ug/L		2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:32	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135026** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-4-0.5** Date Collected: 1/31/2017 12:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	91.1 %		0.1		1			2/2/2017 08:39	CM	
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Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	82 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	104 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
4,4'-DDD	U ug/Kg		0.367	0.072	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
4,4'-DDE	U ug/Kg		0.389	0.078	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
4,4'-DDT	U ug/Kg		0.900	0.180	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Aldrin	U ug/Kg		0.400	0.079	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
a-BHC	U ug/Kg		0.356	0.071	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
a-Chlordane	U ug/Kg		0.500	0.099	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
b-BHC	U ug/Kg		0.489	0.097	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
d-BHC	U ug/Kg		0.356	0.070	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Dieldrin	U ug/Kg		0.378	0.076	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Endosulfan I	U ug/Kg		0.389	0.078	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Endosulfan II	U ug/Kg		0.545	0.108	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Endosulfan sulfate	U ug/Kg		0.745	0.148	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Endrin	U ug/Kg		0.434	0.086	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Endrin Aldehyde	U ug/Kg		0.434	0.086	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Endrin Ketone	U ug/Kg		0.834	0.166	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
g-BHC (Lindane)	U ug/Kg		0.400	0.080	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
g-Chlordane	U ug/Kg		0.389	0.077	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Heptachlor	U ug/Kg		0.511	0.102	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Heptachlor epoxide	U ug/Kg		0.333	0.066	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Methoxychlor	U ug/Kg		0.567	0.113	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Total Chlordane	U ug/Kg		0.878	0.176	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	
Total Toxaphene	U ug/Kg		14.2	2.83	1	2/1/2017 12:54	CM	2/2/2017 17:40	BFM	

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S) Preparation Method: EPA 3050B

Analytical Method: EPA 6020

Arsenic	1.9 mg/Kg		0.55	0.090	2	2/1/2017 13:49	ZS	2/1/2017 22:12	ZS	
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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135027** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-4-2** Date Collected: 1/31/2017 12:36

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.3	%	0.1		1			2/2/2017 08:39	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	78	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	82	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
4,4'-DDD		U ug/Kg	0.349	0.069	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
4,4'-DDE		U ug/Kg	0.370	0.074	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
4,4'-DDT		U ug/Kg	0.857	0.171	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Aldrin		U ug/Kg	0.381	0.075	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
a-BHC		U ug/Kg	0.339	0.068	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
a-Chlordane		U ug/Kg	0.476	0.094	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
b-BHC		U ug/Kg	0.466	0.092	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
d-BHC		U ug/Kg	0.339	0.067	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Dieldrin		U ug/Kg	0.360	0.072	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Endosulfan I		U ug/Kg	0.370	0.074	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Endosulfan II		U ug/Kg	0.519	0.103	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Endosulfan sulfate		U ug/Kg	0.709	0.141	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Endrin		U ug/Kg	0.413	0.082	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Endrin Aldehyde		U ug/Kg	0.413	0.082	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Endrin Ketone		U ug/Kg	0.794	0.158	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
g-BHC (Lindane)		U ug/Kg	0.381	0.076	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
g-Chlordane		U ug/Kg	0.370	0.073	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Heptachlor		U ug/Kg	0.487	0.097	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Heptachlor epoxide		U ug/Kg	0.318	0.062	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Methoxychlor		U ug/Kg	0.540	0.108	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Total Chlordane		U ug/Kg	0.836	0.167	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Total Toxaphene		U ug/Kg	13.5	2.70	1	2/1/2017 12:54	CM	2/2/2017 17:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	8.9	mg/Kg	0.51	0.084	2	2/1/2017 13:49	ZS	2/1/2017 22:33	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135028** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-4-4** Date Collected: 1/31/2017 12:37

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	97.0 %	0.1		1			2/2/2017 08:39	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	71 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	92 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
4,4'-DDD	U ug/Kg	0.412	0.081	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
4,4'-DDE	1.81 ug/Kg	0.437	0.087	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
4,4'-DDT	U ug/Kg	1.01	0.202	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Aldrin	U ug/Kg	0.450	0.089	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
a-BHC	U ug/Kg	0.400	0.080	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
a-Chlordane	U ug/Kg	0.562	0.111	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
b-BHC	U ug/Kg	0.550	0.109	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
d-BHC	U ug/Kg	0.400	0.079	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Dieldrin	U ug/Kg	0.425	0.085	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Endosulfan I	U ug/Kg	0.437	0.087	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Endosulfan II	U ug/Kg	0.612	0.121	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Endosulfan sulfate	U ug/Kg	0.837	0.166	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Endrin	U ug/Kg	0.487	0.096	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Endrin Aldehyde	U ug/Kg	0.487	0.096	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Endrin Ketone	U ug/Kg	0.937	0.186	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
g-BHC (Lindane)	U ug/Kg	0.450	0.090	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
g-Chlordane	U ug/Kg	0.437	0.086	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Heptachlor	U ug/Kg	0.575	0.115	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Heptachlor epoxide	U ug/Kg	0.375	0.074	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Methoxychlor	U ug/Kg	0.637	0.127	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Total Chlordane	U ug/Kg	0.987	0.197	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Total Toxaphene	U ug/Kg	15.9	3.19	1	2/1/2017 12:54	CM	2/2/2017 18:11	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	0.57 mg/Kg	0.52	0.085	2	2/1/2017 13:49	ZS	2/1/2017 22:38	ZS	

ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135029** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-4-6** Date Collected: 1/31/2017 12:38

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.7	%	0.1		1			2/2/2017 08:39	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.52	0.085	2	2/1/2017 13:49	ZS	2/1/2017 22:42	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135030** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-4-8** Date Collected: 1/31/2017 12:39

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.3	%	0.1		1			2/2/2017 08:42	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.54	0.088	2	2/1/2017 13:49	ZS	2/1/2017 22:47	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135031** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-4-10** Date Collected: 1/31/2017 12:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	85.2	%	0.1		1			2/2/2017 08:42	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.22i	mg/Kg	0.59	0.096	2	2/1/2017 13:49	ZS	2/1/2017 22:51	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135032** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-4** Date Collected: 1/31/2017 12:52

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	52 %		50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	52 %		50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/1/2017 10:15	BFM	2/2/2017 00:40	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	200 ug/L		2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 17:59	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	160 ug/L		2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:36	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135033** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-5-0.5** Date Collected: 1/31/2017 13:10

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.2 %	0.1		1			2/2/2017 08:42	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	70 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	95 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
4,4'-DDD	U ug/Kg	0.378	0.075	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
4,4'-DDE	U ug/Kg	0.401	0.080	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
4,4'-DDT	U ug/Kg	0.929	0.186	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Aldrin	U ug/Kg	0.413	0.081	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
a-BHC	U ug/Kg	0.367	0.073	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
a-Chlordane	0.125i ug/Kg	0.516	0.102	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
b-BHC	U ug/Kg	0.505	0.100	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
d-BHC	U ug/Kg	0.367	0.072	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Dieldrin	U ug/Kg	0.390	0.078	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Endosulfan I	U ug/Kg	0.401	0.080	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Endosulfan II	U ug/Kg	0.562	0.111	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Endosulfan sulfate	U ug/Kg	0.768	0.153	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Endrin	U ug/Kg	0.447	0.088	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Endrin Aldehyde	U ug/Kg	0.447	0.088	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Endrin Ketone	U ug/Kg	0.860	0.171	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
g-BHC (Lindane)	U ug/Kg	0.413	0.083	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
g-Chlordane	U ug/Kg	0.401	0.079	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Heptachlor	U ug/Kg	0.527	0.105	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Heptachlor epoxide	U ug/Kg	0.344	0.068	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Methoxychlor	U ug/Kg	0.585	0.117	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Total Chlordane	U ug/Kg	0.906	0.181	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Total Toxaphene	U ug/Kg	14.6	2.92	1	2/1/2017 12:54	CM	2/2/2017 11:48	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	2.0 mg/Kg	0.52	0.085	2	2/1/2017 13:49	ZS	2/1/2017 22:55	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135034** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-5-2** Date Collected: 1/31/2017 13:11

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	91.4 %	0.1		1			2/2/2017 08:42	CM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	70 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	57 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
4,4'-DDD	0.377i ug/Kg	0.420	0.083	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
4,4'-DDE	2.30 ug/Kg	0.445	0.089	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
4,4'-DDT	U ug/Kg	1.03	0.206	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Aldrin	U ug/Kg	0.458	0.090	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
a-BHC	U ug/Kg	0.407	0.081	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
a-Chlordane	U ug/Kg	0.572	0.113	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
b-BHC	U ug/Kg	0.560	0.111	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
d-BHC	U ug/Kg	0.407	0.080	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Dieldrin	U ug/Kg	0.433	0.087	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Endosulfan I	U ug/Kg	0.445	0.089	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Endosulfan II	U ug/Kg	0.623	0.123	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Endosulfan sulfate	U ug/Kg	0.852	0.169	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Endrin	U ug/Kg	0.496	0.098	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Endrin Aldehyde	U ug/Kg	0.496	0.098	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Endrin Ketone	U ug/Kg	0.954	0.190	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
g-BHC (Lindane)	U ug/Kg	0.458	0.092	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
g-Chlordane	U ug/Kg	0.445	0.088	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Heptachlor	U ug/Kg	0.585	0.117	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Heptachlor epoxide	U ug/Kg	0.382	0.075	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Methoxychlor	U ug/Kg	0.649	0.130	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Total Chlordane	U ug/Kg	1.01	0.201	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Total Toxaphene	U ug/Kg	16.2	3.24	1	2/1/2017 12:54	CM	2/2/2017 12:03	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	1.5 mg/Kg	0.55	0.090	2	2/1/2017 13:49	ZS	2/1/2017 23:00	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135035** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-5-4** Date Collected: 1/31/2017 13:12

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	91.4 %		0.1		1			2/2/2017 08:42		CM
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Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	74 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	82 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
4,4'-DDD	U ug/Kg		0.395	0.078	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
4,4'-DDE	U ug/Kg		0.419	0.084	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
4,4'-DDT	U ug/Kg		0.969	0.194	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Aldrin	U ug/Kg		0.431	0.085	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
a-BHC	U ug/Kg		0.383	0.077	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
a-Chlordane	U ug/Kg		0.538	0.106	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
b-BHC	U ug/Kg		0.526	0.104	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
d-BHC	U ug/Kg		0.383	0.075	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Dieldrin	U ug/Kg		0.407	0.081	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Endosulfan I	U ug/Kg		0.419	0.084	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Endosulfan II	U ug/Kg		0.586	0.116	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Endosulfan sulfate	U ug/Kg		0.802	0.159	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Endrin	U ug/Kg		0.467	0.092	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Endrin Aldehyde	U ug/Kg		0.467	0.092	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Endrin Ketone	U ug/Kg		0.897	0.178	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
g-BHC (Lindane)	U ug/Kg		0.431	0.086	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
g-Chlordane	U ug/Kg		0.419	0.083	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Heptachlor	U ug/Kg		0.550	0.110	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Heptachlor epoxide	U ug/Kg		0.359	0.071	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Methoxychlor	U ug/Kg		0.610	0.122	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Total Chlordane	U ug/Kg		0.945	0.189	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM
Total Toxaphene	U ug/Kg		15.3	3.05	1	2/1/2017 12:54	CM	2/2/2017 12:18		BFM

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S) Preparation Method: EPA 3050B

Analytical Method: EPA 6020

Arsenic	0.90 mg/Kg		0.55	0.090	2	2/1/2017 13:49	ZS	2/1/2017 23:04		ZS
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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135036** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-5-6** Date Collected: 1/31/2017 13:13

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	98.2 %		0.1		1			2/2/2017 08:42	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	U mg/Kg		0.51	0.084	2	2/1/2017 13:49	ZS	2/1/2017 23:08	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135037** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-5-8** Date Collected: 1/31/2017 13:14

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	91.8	%	0.1		1			2/2/2017 10:03	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.54	0.089	2	2/1/2017 13:49	ZS	2/1/2017 23:13	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135038** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-5-10** Date Collected: 1/31/2017 13:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	81.5 %		0.1		1			2/2/2017 10:03	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.10i mg/Kg		0.61	0.10	2	2/1/2017 13:49	ZS	2/2/2017 00:05	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135039** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-5** Date Collected: 1/31/2017 13:25

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	31	%	50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	43	%	50-130		1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	J2
4,4'-DDD		U ug/L	0.0019	0.00056	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
a-Chlordane		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
d-BHC		U ug/L	0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Endosulfan I		U ug/L	0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Endrin		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Endrin Aldehyde		U ug/L	0.0019	0.00068	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Endrin Ketone		U ug/L	0.0019	0.00080	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
g-Chlordane		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Heptachlor epoxide		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Total Chlordane		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	2/1/2017 10:15	BFM	2/2/2017 00:55	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	53	ug/L	2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 18:03	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	50	ug/L	2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:40	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135040** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-0.5** Date Collected: 1/31/2017 13:38

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	98.2	%	0.1		1			2/2/2017 10:03	BFM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	81	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	439	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	J2
4,4'-DDD		U ug/Kg	0.409	0.081	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
4,4'-DDE		U ug/Kg	0.434	0.087	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
4,4'-DDT		U ug/Kg	1.00	0.201	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Aldrin		U ug/Kg	0.446	0.088	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
a-BHC		U ug/Kg	0.397	0.079	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
a-Chlordane	18.8	ug/Kg	0.558	0.110	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	L
b-BHC		U ug/Kg	0.545	0.108	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
d-BHC		U ug/Kg	0.397	0.078	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Dieldrin		U ug/Kg	0.421	0.084	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Endosulfan I		U ug/Kg	0.434	0.087	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Endosulfan II		U ug/Kg	0.607	0.120	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Endosulfan sulfate		U ug/Kg	0.830	0.165	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Endrin		U ug/Kg	0.483	0.095	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Endrin Aldehyde		U ug/Kg	0.483	0.095	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Endrin Ketone		U ug/Kg	0.930	0.185	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
g-BHC (Lindane)		U ug/Kg	0.446	0.089	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
g-Chlordane	8.88	ug/Kg	0.434	0.086	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Heptachlor		U ug/Kg	0.570	0.114	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Heptachlor epoxide		U ug/Kg	0.372	0.073	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Methoxychlor		U ug/Kg	0.632	0.126	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Total Chlordane	116	ug/Kg	0.979	0.196	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	L
Total Toxaphene		U ug/Kg	15.8	3.16	1	2/1/2017 12:54	CM	2/2/2017 12:33	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	9.8	mg/Kg	0.51	0.084	2	2/1/2017 13:49	ZS	2/2/2017 00:10	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135041** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-2** Date Collected: 1/31/2017 13:39

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.3	%	0.1		1			2/2/2017 10:03	BFM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	75	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	78	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
4,4'-DDD		U ug/Kg	0.365	0.072	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
4,4'-DDE		U ug/Kg	0.387	0.077	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
4,4'-DDT		U ug/Kg	0.896	0.179	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Aldrin		U ug/Kg	0.398	0.079	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
a-BHC		U ug/Kg	0.354	0.071	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
a-Chlordane	1.61	ug/Kg	0.498	0.098	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
b-BHC		U ug/Kg	0.487	0.096	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
d-BHC		U ug/Kg	0.354	0.070	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Dieldrin		U ug/Kg	0.376	0.075	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Endosulfan I		U ug/Kg	0.387	0.077	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Endosulfan II		U ug/Kg	0.542	0.107	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Endosulfan sulfate		U ug/Kg	0.741	0.147	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Endrin		U ug/Kg	0.431	0.085	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Endrin Aldehyde		U ug/Kg	0.431	0.085	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Endrin Ketone		U ug/Kg	0.830	0.165	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
g-BHC (Lindane)		U ug/Kg	0.398	0.080	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
g-Chlordane	1.04	ug/Kg	0.387	0.076	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Heptachlor		U ug/Kg	0.509	0.102	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Heptachlor epoxide	0.357	ug/Kg	0.332	0.065	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Methoxychlor		U ug/Kg	0.564	0.113	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Total Chlordane	30.2	ug/Kg	0.874	0.175	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Total Toxaphene		U ug/Kg	14.1	2.82	1	2/1/2017 12:54	CM	2/2/2017 18:26	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.50i	mg/Kg	0.54	0.088	2	2/1/2017 13:49	ZS	2/2/2017 00:14	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135042** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-4** Date Collected: 1/31/2017 13:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
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Percent Solids (Dryweight)	97.7 %		0.1		1			2/2/2017 10:03	BFM	
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Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
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					Analytical Method: EPA 8081 (GC)					
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Tetrachloro-m-xylene (S)	81 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
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					Analytical Method: EPA 8081 (GC)					
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Decachlorobiphenyl (S)	80 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
4,4'-DDD	U ug/Kg		0.364	0.072	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
4,4'-DDE	U ug/Kg		0.386	0.077	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
4,4'-DDT	U ug/Kg		0.892	0.178	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Aldrin	U ug/Kg		0.397	0.078	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
a-BHC	U ug/Kg		0.353	0.071	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
a-Chlordane	U ug/Kg		0.496	0.098	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
b-BHC	U ug/Kg		0.485	0.096	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
d-BHC	U ug/Kg		0.353	0.069	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Dieldrin	U ug/Kg		0.375	0.075	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Endosulfan I	U ug/Kg		0.386	0.077	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Endosulfan II	U ug/Kg		0.540	0.107	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Endosulfan sulfate	U ug/Kg		0.738	0.147	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Endrin	U ug/Kg		0.430	0.085	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Endrin Aldehyde	U ug/Kg		0.430	0.085	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Endrin Ketone	U ug/Kg		0.826	0.164	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
g-BHC (Lindane)	U ug/Kg		0.397	0.079	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
g-Chlordane	U ug/Kg		0.386	0.076	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Heptachlor	U ug/Kg		0.507	0.101	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Heptachlor epoxide	0.139i ug/Kg		0.331	0.065	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Methoxychlor	U ug/Kg		0.562	0.112	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Total Chlordane	U ug/Kg		0.870	0.174	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	
Total Toxaphene	U ug/Kg		14.0	2.81	1	2/1/2017 12:54	CM	2/2/2017 18:41	BFM	

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
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					Analytical Method: EPA 6020					
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Arsenic	0.59 mg/Kg		0.51	0.084	2	2/1/2017 13:49	ZS	2/2/2017 00:18	ZS	
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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135043** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-6** Date Collected: 1/31/2017 13:41

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	94.3	%	0.1		1			2/2/2017 10:03	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.56	mg/Kg	0.53	0.087	2	2/1/2017 13:49	ZS	2/2/2017 00:23	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135044** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-8** Date Collected: 1/31/2017 13:42

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.7	%	0.1		1			2/2/2017 10:03	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.52	0.085	2	2/1/2017 13:49	ZS	2/2/2017 00:27	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135045** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-10** Date Collected: 1/31/2017 13:43

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	98.7	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.51	0.083	2	2/1/2017 13:49	ZS	2/2/2017 00:32	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135046** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-6-15** Date Collected: 1/31/2017 13:44

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	86.2	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.2	mg/Kg	0.58	0.095	2	2/1/2017 13:49	ZS	2/2/2017 00:36	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135047** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-6** Date Collected: 1/31/2017 14:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	33 %		50-130		1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	26 %		50-130		1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	J2
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/1/2017 10:15	BFM	2/2/2017 01:10	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	440 ug/L		2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 18:07	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	320 ug/L		2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:45	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135048** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-0.5** Date Collected: 1/31/2017 14:20

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	94.6 %	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	77 %	50-130		1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	1730 %	50-130		100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	J2
4,4'-DDD	U ug/Kg	36.1	7.11	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
4,4'-DDE	U ug/Kg	38.3	7.66	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
4,4'-DDT	U ug/Kg	88.6	17.7	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Aldrin	U ug/Kg	0.394	0.078	1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
a-BHC	U ug/Kg	0.350	0.070	1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
a-Chlordane	776 ug/Kg	49.2	9.74	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
b-BHC	U ug/Kg	0.482	0.095	1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
d-BHC	U ug/Kg	0.350	0.069	1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
Dieldrin	317 ug/Kg	37.2	7.44	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Endosulfan I	U ug/Kg	38.3	7.66	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Endosulfan II	U ug/Kg	53.6	10.6	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Endosulfan sulfate	U ug/Kg	73.3	14.6	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Endrin	U ug/Kg	42.7	8.43	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Endrin Aldehyde	U ug/Kg	42.7	8.43	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Endrin Ketone	U ug/Kg	82.1	16.3	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
g-BHC (Lindane)	U ug/Kg	0.394	0.079	1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
g-Chlordane	737 ug/Kg	38.3	7.55	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Heptachlor	U ug/Kg	0.503	0.101	1	2/1/2017 12:54	CM	2/2/2017 18:56	BFM	
Heptachlor epoxide	U ug/Kg	32.8	6.46	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Methoxychlor	U ug/Kg	55.8	11.2	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Total Chlordane	5700 ug/Kg	86.5	17.3	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Total Toxaphene	U ug/Kg	1400	279	100	2/1/2017 12:54	CM	2/6/2017 13:50	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	5.5 mg/Kg	0.53	0.087	2	2/1/2017 13:49	ZS	2/2/2017 00:40	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135049** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-2** Date Collected: 1/31/2017 14:21

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	93.7	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	72	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	93	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
4,4'-DDD		U ug/Kg	0.362	0.071	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
4,4'-DDE		U ug/Kg	0.384	0.077	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
4,4'-DDT		U ug/Kg	0.889	0.178	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Aldrin		U ug/Kg	0.395	0.078	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
a-BHC		U ug/Kg	0.351	0.070	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
a-Chlordane	3.19	ug/Kg	0.494	0.098	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
b-BHC		U ug/Kg	0.483	0.095	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
d-BHC		U ug/Kg	0.351	0.069	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Dieldrin	144	ug/Kg	18.7	3.73	50	2/1/2017 12:54	CM	2/6/2017 14:06	BFM	
Endosulfan I		U ug/Kg	0.384	0.077	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Endosulfan II		U ug/Kg	0.538	0.106	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Endosulfan sulfate		U ug/Kg	0.735	0.146	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Endrin		U ug/Kg	0.428	0.084	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Endrin Aldehyde		U ug/Kg	0.428	0.084	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Endrin Ketone		U ug/Kg	0.823	0.163	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
g-BHC (Lindane)		U ug/Kg	0.395	0.079	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
g-Chlordane	2.18	ug/Kg	0.384	0.076	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Heptachlor		U ug/Kg	0.505	0.101	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Heptachlor epoxide	9.86	ug/Kg	0.329	0.065	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Methoxychlor		U ug/Kg	0.560	0.112	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Total Chlordane	103	ug/Kg	0.867	0.173	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	L
Total Toxaphene		U ug/Kg	14.0	2.80	1	2/1/2017 12:54	CM	2/2/2017 19:11	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	0.77	mg/Kg	0.53	0.087	2	2/1/2017 13:49	ZS	2/2/2017 00:45	ZS	

ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135050** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-4** Date Collected: 1/31/2017 14:22

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	93.9 %		0.1		1			2/2/2017 09:56	BFM	
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Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Tetrachloro-m-xylene (S)	75 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
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Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S) Preparation Method: EPA 3545

Analytical Method: EPA 8081 (GC)

Decachlorobiphenyl (S)	89 %		50-130		1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
4,4'-DDD	U ug/Kg		0.387	0.076	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
4,4'-DDE	U ug/Kg		0.411	0.082	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
4,4'-DDT	U ug/Kg		0.950	0.190	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Aldrin	U ug/Kg		0.422	0.083	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
a-BHC	U ug/Kg		0.375	0.075	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
a-Chlordane	0.216i ug/Kg		0.528	0.104	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
b-BHC	U ug/Kg		0.516	0.102	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
d-BHC	U ug/Kg		0.375	0.074	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Dieldrin	0.252i ug/Kg		0.399	0.080	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Endosulfan I	U ug/Kg		0.411	0.082	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Endosulfan II	U ug/Kg		0.575	0.114	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Endosulfan sulfate	U ug/Kg		0.786	0.156	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Endrin	U ug/Kg		0.458	0.090	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Endrin Aldehyde	U ug/Kg		0.458	0.090	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Endrin Ketone	U ug/Kg		0.880	0.175	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
g-BHC (Lindane)	U ug/Kg		0.422	0.084	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
g-Chlordane	0.109i ug/Kg		0.411	0.081	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Heptachlor	U ug/Kg		0.540	0.108	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Heptachlor epoxide	U ug/Kg		0.352	0.069	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Methoxychlor	U ug/Kg		0.598	0.120	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Total Chlordane	15.5 ug/Kg		0.927	0.185	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	
Total Toxaphene	U ug/Kg		15.0	2.99	1	2/1/2017 12:54	CM	2/2/2017 19:27	BFM	

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S) Preparation Method: EPA 3050B

Analytical Method: EPA 6020

Arsenic	2.1 mg/Kg		0.53	0.087	2	2/1/2017 13:49	ZS	2/2/2017 01:07	ZS	
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ANALYTICAL RESULTS

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID: **1750135051** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-6** Date Collected: 1/31/2017 14:23

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	95.3	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.12i	mg/Kg	0.52	0.086	2	2/1/2017 13:49	ZS	2/2/2017 01:11	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135052** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-8** Date Collected: 1/31/2017 14:24

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.3	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.36i	mg/Kg	0.54	0.088	2	2/1/2017 13:49	ZS	2/2/2017 01:15	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135053** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-10** Date Collected: 1/31/2017 14:25

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.8	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.52	0.085	2	2/1/2017 13:49	ZS	2/2/2017 01:20	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135054** Date Received: 1/31/2017 16:45 Matrix: Soil/Solid
Sample ID: **B-7-15** Date Collected: 1/31/2017 14:26

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	87.2	%	0.1		1			2/2/2017 09:56	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.57	0.094	2	2/1/2017 13:49	ZS	2/2/2017 01:24	ZS	

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ANALYTICAL RESULTS

Workorder: 1750135
Project ID: Hillsboro GC

Lab ID: **1750135055** Date Received: 1/31/2017 16:45 Matrix: Aqueous Liquid
Sample ID: **B-7** Date Collected: 1/31/2017 14:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)						Preparation Method: EPA 3510C				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	44	%	50-130		1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)						Preparation Method: EPA 3510C				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	42	%	50-130		1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	J2
4,4'-DDD		U ug/L	0.0019	0.00056	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
4,4'-DDE		U ug/L	0.0029	0.0014	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
4,4'-DDT		U ug/L	0.0019	0.00095	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Aldrin		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
a-BHC		U ug/L	0.0020	0.0010	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
a-Chlordane		U ug/L	0.093	0.032	50	2/1/2017 10:15	BFM	2/2/2017 19:42	BFM	
b-BHC		U ug/L	0.0027	0.0013	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
d-BHC		U ug/L	0.109	0.055	50	2/1/2017 10:15	BFM	2/2/2017 19:42	BFM	
Dieldrin		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Endosulfan I		U ug/L	0.112	0.056	50	2/1/2017 10:15	BFM	2/2/2017 19:42	BFM	
Endosulfan II		U ug/L	0.0019	0.00077	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Endosulfan sulfate		U ug/L	0.0019	0.00055	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Endrin		U ug/L	0.0019	0.00064	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Endrin Aldehyde		U ug/L	0.0019	0.00068	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Endrin Ketone		U ug/L	0.0019	0.00080	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
g-BHC (Lindane)		U ug/L	0.0019	0.00052	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
g-Chlordane		U ug/L	0.093	0.023	50	2/1/2017 10:15	BFM	2/2/2017 19:42	BFM	
Heptachlor		U ug/L	0.0019	0.00046	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Heptachlor epoxide		U ug/L	0.143	0.071	50	2/1/2017 10:15	BFM	2/2/2017 19:42	BFM	
Methoxychlor		U ug/L	0.0023	0.0012	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	
Total Chlordane		U ug/L	0.101	0.050	50	2/1/2017 10:15	BFM	2/2/2017 19:42	BFM	
Total Toxaphene		U ug/L	0.092	0.046	1	2/1/2017 10:15	BFM	2/2/2017 01:26	BFM	

Analysis Desc: EPA 200.8 Metals (W)						Preparation Method: EPA 200.2 mod.				
						Analytical Method: EPA 200.8 (Total)				
Arsenic	2.0	ug/L	2.0	0.65	4	2/1/2017 09:56	ZS	2/1/2017 18:12	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)						Preparation Method: EPA 200.2 mod.				
						Analytical Method: EPA 200.8 (Dissolved)				
Arsenic	2.2	ug/L	2.0	0.65	4	2/1/2017 12:21	ZS	2/1/2017 16:49	ZS	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1750135

Project ID: Hillsboro GC

PARAMETER QUALIFIERS

- J2 Surrogate recovery was outside defined limits due to matrix interference.
- L Off-scale high. Reported value is above the calibration range.

PROJECT COMMENTS

- 1750135 A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch: XXX/9664 Analysis Method: EPA 8081 (GC)
QC Batch Method: EPA 3510C
Associated Lab Samples: 1750135009 1750135017 1750135025 1750135032 1750135039 1750135047
1750135055

METHOD BLANK: 111471

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	50	50-130	
Decachlorobiphenyl (S)	%	50	50-130	
a-BHC	ug/L	U	0.0011	
g-BHC (Lindane)	ug/L	U	0.00056	
Heptachlor	ug/L	U	0.00049	
Aldrin	ug/L	U	0.00049	
b-BHC	ug/L	U	0.0014	
d-BHC	ug/L	U	0.0012	
Heptachlor epoxide	ug/L	U	0.0015	
Endosulfan I	ug/L	U	0.0012	
g-Chlordane	ug/L	U	0.00049	
a-Chlordane	ug/L	U	0.00068	
4,4'-DDE	ug/L	U	0.0016	
Dieldrin	ug/L	U	0.00059	
Endrin	ug/L	U	0.00069	
Endosulfan II	ug/L	U	0.00083	
4,4'-DDD	ug/L	U	0.00060	
4,4'-DDT	ug/L	U	0.0010	
Endrin Aldehyde	ug/L	U	0.00073	
Endosulfan sulfate	ug/L	U	0.00059	
Methoxychlor	ug/L	U	0.0012	
Endrin Ketone	ug/L	U	0.00086	
Total Chlordane	ug/L	U	0.0011	
Total Toxaphene	ug/L	U	0.049	

LABORATORY CONTROL SAMPLE & LCSD: 111472 111473

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				52	60	50-130	14	30	
Decachlorobiphenyl (S)	%				55	59	50-130	7	30	
a-BHC	ug/L	0.025	0.013	0.014	51	55	50-130	7	30	
g-BHC (Lindane)	ug/L	0.025	0.013	0.014	54	57	50-130	7	30	
Heptachlor	ug/L	0.025	0.016	0.019	64	78	50-130	17	30	

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QUALITY CONTROL DATA

Workorder: 1750135

Project ID: Hillsboro GC

LABORATORY CONTROL SAMPLE & LCSD:		111472	111473							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Aldrin	ug/L	0.025	0.013	0.014	53	55	50-130	7	30	
b-BHC	ug/L	0.025	0.013	0.016	54	63	50-130	21	30	
d-BHC	ug/L	0.025	0.013	0.014	54	55	50-130	7	30	
Heptachlor epoxide	ug/L	0.025	0.015	0.015	61	59	50-130	0	30	
Endosulfan I	ug/L	0.025	0.014	0.014	55	57	50-130	0	30	
g-Chlordane	ug/L	0.025	0.014	0.013	56	53	50-130	7	30	
a-Chlordane	ug/L	0.025	0.015	0.013	59	54	50-130	14	30	
4,4'-DDE	ug/L	0.025	0.015	0.014	58	58	50-130	7	30	
Dieldrin	ug/L	0.025	0.015	0.015	60	61	50-130	0	30	
Endrin	ug/L	0.025	0.018	0.022	73	88	50-130	20	30	
Endosulfan II	ug/L	0.025	0.015	0.015	62	58	50-130	0	30	
4,4'-DDD	ug/L	0.025	0.013	0.015	52	61	50-130	14	30	
4,4'-DDT	ug/L	0.025	0.021	0.025	83	101	50-130	17	30	
Endrin Aldehyde	ug/L	0.025	0.013	0.013	51	51	50-130	0	30	
Endosulfan sulfate	ug/L	0.025	0.015	0.015	59	58	50-130	0	30	
Methoxychlor	ug/L	0.025	0.020	0.024	78	97	50-130	18	30	
Endrin Ketone	ug/L	0.025	0.014	0.013	56	53	50-130	7	30	
Total Chlordane	ug/L		U	U				0	30	
Total Toxaphene	ug/L		U	U				0	30	

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QUALITY CONTROL DATA

Workorder: 1750135

Project ID: Hillsboro GC

QC Batch:	XXX/9670	Analysis Method:		EPA 8081 (GC)		
QC Batch Method:	EPA 3545					
Associated Lab Samples:	1750134051	1750134052	1750134053	1750134054	1750135001	1750135002
	1750135003	1750135010	1750135011	1750135012	1750135018	1750135019

METHOD BLANK: 111575

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	65	50-130	
Decachlorobiphenyl (S)	%	86	50-130	
a-BHC	ug/Kg	U	0.064	
g-BHC (Lindane)	ug/Kg	U	0.072	
Heptachlor	ug/Kg	U	0.092	
Aldrin	ug/Kg	U	0.071	
b-BHC	ug/Kg	U	0.087	
d-BHC	ug/Kg	U	0.063	
Heptachlor epoxide	ug/Kg	U	0.059	
Endosulfan I	ug/Kg	U	0.070	
g-Chlordane	ug/Kg	U	0.069	
a-Chlordane	ug/Kg	U	0.089	
4,4'-DDE	ug/Kg	U	0.070	
Dieldrin	ug/Kg	U	0.068	
Endrin	ug/Kg	U	0.077	
Endosulfan II	ug/Kg	U	0.097	
4,4'-DDD	ug/Kg	U	0.065	
4,4'-DDT	ug/Kg	U	0.162	
Endrin Aldehyde	ug/Kg	U	0.077	
Endosulfan sulfate	ug/Kg	U	0.133	
Methoxychlor	ug/Kg	U	0.102	
Endrin Ketone	ug/Kg	U	0.149	
Total Chlordane	ug/Kg	U	0.158	
Total Toxaphene	ug/Kg	U	2.55	

LABORATORY CONTROL SAMPLE & LCSD: 111576 111577

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				69	63	50-130	9	30	
Decachlorobiphenyl (S)	%					85	77	50-130	10	30
a-BHC	ug/Kg	1.25	0.721	0.636	58	51	50-130	13	30	
g-BHC (Lindane)	ug/Kg	1.25	0.743	0.669	59	53	50-130	10	30	
Heptachlor	ug/Kg	1.25	0.862	0.747	69	60	50-130	14	30	

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QUALITY CONTROL DATA

Workorder: 1750135

Project ID: Hillsboro GC

LABORATORY CONTROL SAMPLE & LCSD: 111576 111577

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Aldrin	ug/Kg	1.25	0.729	0.687	58	55	50-130	6	30	
b-BHC	ug/Kg	1.25	0.771	0.681	62	55	50-130	12	30	
d-BHC	ug/Kg	1.25	0.717	0.695	57	56	50-130	3	30	
Heptachlor epoxide	ug/Kg	1.25	0.763	0.676	61	54	50-130	12	30	
Endosulfan I	ug/Kg	1.25	0.747	0.665	60	53	50-130	12	30	
g-Chlordane	ug/Kg	1.25	0.743	0.662	59	53	50-130	12	30	
a-Chlordane	ug/Kg	1.25	0.733	0.653	59	52	50-130	12	30	
4,4'-DDE	ug/Kg	1.25	0.752	0.675	60	54	50-130	11	30	
Dieldrin	ug/Kg	1.25	0.904	0.804	72	64	50-130	12	30	
Endrin	ug/Kg	1.25	1.09	0.960	87	77	50-130	13	30	
Endosulfan II	ug/Kg	1.25	0.795	0.708	64	57	50-130	12	30	
4,4'-DDD	ug/Kg	1.25	0.750	0.657	60	53	50-130	13	30	
4,4'-DDT	ug/Kg	1.25	1.40	1.27	112	101	50-130	10	30	
Endrin Aldehyde	ug/Kg	1.25	0.683	0.659	55	53	50-130	4	30	
Endosulfan sulfate	ug/Kg	1.25	0.860	0.756	69	61	50-130	13	30	
Methoxychlor	ug/Kg	1.25	1.46	1.29	117	103	50-130	12	30	
Endrin Ketone	ug/Kg	1.25	0.701i	0.746i	56	60	50-130	6	30	
Total Chlordane	ug/Kg		U	U				0	30	
Total Toxaphene	ug/Kg		U	U				0	30	

MATRIX SPIKE SAMPLE: 111585

Original: 1750134053

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by GC							
Tetrachloro-m-xylene (S)	%				78	50-130	
Decachlorobiphenyl (S)	%				90	50-130	
a-BHC	ug/Kg	0	1.47	0.912	62	50-130	
g-BHC (Lindane)	ug/Kg	0	1.47	0.899	61	50-130	
Heptachlor	ug/Kg	0	1.47	0.902	61	50-130	
Aldrin	ug/Kg	0	1.47	0.932	63	50-130	
b-BHC	ug/Kg	0	1.47	0.977	66	50-130	
d-BHC	ug/Kg	0	1.47	0.917	62	50-130	
Heptachlor epoxide	ug/Kg	0	1.47	0.952	65	50-130	
Endosulfan I	ug/Kg	0	1.47	0.951	65	50-130	
g-Chlordane	ug/Kg	0	1.47	0.934	64	50-130	
a-Chlordane	ug/Kg	0	1.47	0.937	64	50-130	
4,4'-DDE	ug/Kg	0	1.47	0.955	65	50-130	
Dieldrin	ug/Kg	0	1.47	0.928	63	50-130	
Endrin	ug/Kg	0	1.47	1.35	92	50-130	
Endosulfan II	ug/Kg	0	1.47	1.02	69	50-130	

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QUALITY CONTROL DATA

Workorder: 1750135

Project ID: Hillsboro GC

MATRIX SPIKE SAMPLE: 111585

Original: 1750134053

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/Kg	0	1.47	0.967	66	50-130	
4,4'-DDT	ug/Kg	0	1.47	0.814	55	50-130	
Endrin Aldehyde	ug/Kg	0	1.47	0.766	52	50-130	
Endosulfan sulfate	ug/Kg	0	1.47	1.17	79	50-130	
Methoxychlor	ug/Kg	0	1.47	0.878	60	50-130	
Endrin Ketone	ug/Kg	0	1.47	0.785	53	50-130	
Total Chlordane	ug/Kg						
Total Toxaphene	ug/Kg						

SAMPLE DUPLICATE: 111584

Original: 1750134053

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by GC						
Tetrachloro-m-xylene (S)	%	1.04		3	30	
Decachlorobiphenyl (S)	%	1.33		7	30	
a-BHC	ug/Kg	0	U	0	30	
g-BHC (Lindane)	ug/Kg	0	U	0	30	
Heptachlor	ug/Kg	0	U	0	30	
Aldrin	ug/Kg	0	U	0	30	
b-BHC	ug/Kg	0	U	0	30	
d-BHC	ug/Kg	0	U	0	30	
Heptachlor epoxide	ug/Kg	0	U	0	30	
Endosulfan I	ug/Kg	0	U	0	30	
g-Chlordane	ug/Kg	0	U	0	30	
a-Chlordane	ug/Kg	0	U	0	30	
4,4'-DDE	ug/Kg	0	U	0	30	
Dieldrin	ug/Kg	0	U	0	30	
Endrin	ug/Kg	0	U	0	30	
Endosulfan II	ug/Kg	0	U	0	30	
4,4'-DDD	ug/Kg	0	U	0	30	
4,4'-DDT	ug/Kg	0	U	0	30	
Endrin Aldehyde	ug/Kg	0	U	0	30	
Endosulfan sulfate	ug/Kg	0	U	0	30	
Methoxychlor	ug/Kg	0	U	0	30	
Endrin Ketone	ug/Kg	0	U	0	30	
Total Chlordane	ug/Kg	0	U	0	30	
Total Toxaphene	ug/Kg	0	U	0	30	

QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch:	MXX/8261	Analysis Method:	EPA 200.8 (Total)			
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1750126001	1750127001	1750135009	1750135017	1750135025	1750135032
	1750135039	1750135047	1750135055	1750137001	1750137002	1750137003
	1750137004	1750138001	1750138002	1750138003	1750139001	1750139002
	1750139003	1750139004				

METHOD BLANK: 111593

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 111594 111595

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	49	48	98.3	96	85-115	2.06	20	

MATRIX SPIKE SAMPLE: 111597 Original: 1750135055

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	2	50	54	104	70-130	

SAMPLE DUPLICATE: 111596 Original: 1750135055

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	2	1.7i	16.2	20	

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QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch:	XXX/9671	Analysis Method:		EPA 8081 (GC)		
QC Batch Method:	EPA 3545					
Associated Lab Samples:	1750135020	1750135026	1750135027	1750135028	1750135033	1750135034
	1750135035	1750135040	1750135041	1750135042	1750135048	1750135049
	1750135050					

METHOD BLANK: 111611

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	73	50-130	
Decachlorobiphenyl (S)	%	97	50-130	
a-BHC	ug/Kg	U	0.064	
g-BHC (Lindane)	ug/Kg	U	0.072	
Heptachlor	ug/Kg	U	0.092	
Aldrin	ug/Kg	U	0.071	
b-BHC	ug/Kg	U	0.087	
d-BHC	ug/Kg	U	0.063	
Heptachlor epoxide	ug/Kg	U	0.059	
Endosulfan I	ug/Kg	U	0.070	
g-Chlordane	ug/Kg	U	0.069	
a-Chlordane	ug/Kg	U	0.089	
4,4'-DDE	ug/Kg	U	0.070	
Dieldrin	ug/Kg	U	0.068	
Endrin	ug/Kg	U	0.077	
Endosulfan II	ug/Kg	U	0.097	
4,4'-DDD	ug/Kg	U	0.065	
4,4'-DDT	ug/Kg	U	0.162	
Endrin Aldehyde	ug/Kg	U	0.077	
Endosulfan sulfate	ug/Kg	U	0.133	
Methoxychlor	ug/Kg	U	0.102	
Endrin Ketone	ug/Kg	U	0.149	
Total Chlordane	ug/Kg	U	0.158	
Total Toxaphene	ug/Kg	U	2.55	

LABORATORY CONTROL SAMPLE & LCSD: 111612 111613

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				73	79	50-130	7	30	
Decachlorobiphenyl (S)	%				87	95	50-130	10	30	
a-BHC	ug/Kg	1.25	0.703	0.776	56	62	50-130	10	30	
g-BHC (Lindane)	ug/Kg	1.25	0.733	0.764	59	61	50-130	4	30	

QUALITY CONTROL DATA

Workorder: 1750135

Project ID: Hillsboro GC

LABORATORY CONTROL SAMPLE & LCSD:		111612	111613							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Heptachlor	ug/Kg	1.25	0.784	0.843	63	67	50-130	7	30	
Aldrin	ug/Kg	1.25	0.721	0.782	58	63	50-130	8	30	
b-BHC	ug/Kg	1.25	0.786	0.850	63	68	50-130	8	30	
d-BHC	ug/Kg	1.25	0.716	0.759	57	61	50-130	6	30	
Heptachlor epoxide	ug/Kg	1.25	0.761	0.818	61	65	50-130	7	30	
Endosulfan I	ug/Kg	1.25	0.758	0.814	61	65	50-130	7	30	
g-Chlordane	ug/Kg	1.25	0.752	0.808	60	65	50-130	7	30	
a-Chlordane	ug/Kg	1.25	0.735	0.795	59	64	50-130	8	30	
4,4'-DDE	ug/Kg	1.25	0.748	0.808	60	65	50-130	8	30	
Dieldrin	ug/Kg	1.25	0.899	0.990	72	79	50-130	10	30	
Endrin	ug/Kg	1.25	1.08	1.18	86	94	50-130	9	30	
Endosulfan II	ug/Kg	1.25	0.785	0.857	63	69	50-130	9	30	
4,4'-DDD	ug/Kg	1.25	0.692	0.748	55	60	50-130	8	30	
4,4'-DDT	ug/Kg	1.25	0.878	0.998	70	80	50-130	13	30	
Endrin Aldehyde	ug/Kg	1.25	0.681	0.621	54	50	50-130	9	30	
Endosulfan sulfate	ug/Kg	1.25	0.898	0.969	72	77	50-130	8	30	
Methoxychlor	ug/Kg	1.25	0.951	1.03	76	83	50-130	8	30	
Endrin Ketone	ug/Kg	1.25	0.735i	0.671i	59	54	50-130	9	30	
Total Chlordane	ug/Kg		U	U				0	30	
Total Toxaphene	ug/Kg		U	U				0	30	

MATRIX SPIKE SAMPLE: 111614

Original: 1750135026

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by GC							
Tetrachloro-m-xylene (S)	%					81	50-130
Decachlorobiphenyl (S)	%					124	50-130
a-BHC	ug/Kg	0	1.4	0.786	56	50-130	
g-BHC (Lindane)	ug/Kg	0	1.4	0.767	55	50-130	
Heptachlor	ug/Kg	0	1.4	0.834	59	50-130	
Aldrin	ug/Kg	0	1.4	0.829	59	50-130	
b-BHC	ug/Kg	0	1.4	0.76	54	50-130	
d-BHC	ug/Kg	0	1.4	0.741	53	50-130	
Heptachlor epoxide	ug/Kg	0	1.4	0.861	61	50-130	
Endosulfan I	ug/Kg	0	1.4	0.983	70	50-130	
g-Chlordane	ug/Kg	0	1.4	0.869	62	50-130	
a-Chlordane	ug/Kg	0	1.4	0.98	70	50-130	
4,4'-DDE	ug/Kg	0	1.4	0.986	70	50-130	
Dieldrin	ug/Kg	0	1.4	1.13	81	50-130	
Endrin	ug/Kg	0	1.4	1.62	115	50-130	

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QUALITY CONTROL DATA

Workorder: 1750135

Project ID: Hillsboro GC

MATRIX SPIKE SAMPLE: 111614

Original: 1750135026

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Endosulfan II	ug/Kg	0	1.4	0.942	67	50-130	
4,4'-DDD	ug/Kg	0	1.4	0.919	65	50-130	
4,4'-DDT	ug/Kg	0	1.4	0.961	68	50-130	
Endrin Aldehyde	ug/Kg	0	1.4	0.931	66	50-130	
Endosulfan sulfate	ug/Kg	0	1.4	1.39	99	50-130	
Methoxychlor	ug/Kg	0	1.4	1.79	127	50-130	
Endrin Ketone	ug/Kg	0	1.4	0.978	70	50-130	
Total Chlordane	ug/Kg						
Total Toxaphene	ug/Kg						

SAMPLE DUPLICATE: 111615

Original: 1750135027

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by GC						
Tetrachloro-m-xylene (S)	%	1.01		3	30	
Decachlorobiphenyl (S)	%	1.04		8	30	
a-BHC	ug/Kg	0	U	0	30	
g-BHC (Lindane)	ug/Kg	0	U	0	30	
Heptachlor	ug/Kg	0	U	0	30	
Aldrin	ug/Kg	0	U	0	30	
b-BHC	ug/Kg	0	U	0	30	
d-BHC	ug/Kg	0	U	0	30	
Heptachlor epoxide	ug/Kg	0	U	0	30	
Endosulfan I	ug/Kg	0	U	0	30	
g-Chlordane	ug/Kg	0	U	0	30	
a-Chlordane	ug/Kg	0	U	0	30	
4,4'-DDE	ug/Kg	0	U	0	30	
Dieldrin	ug/Kg	0	U	0	30	
Endrin	ug/Kg	0	U	0	30	
Endosulfan II	ug/Kg	0	U	0	30	
4,4'-DDD	ug/Kg	0	U	0	30	
4,4'-DDT	ug/Kg	0	U	0	30	
Endrin Aldehyde	ug/Kg	0	U	0	30	
Endosulfan sulfate	ug/Kg	0	U	0	30	
Methoxychlor	ug/Kg	0	U	0	30	
Endrin Ketone	ug/Kg	0	U	0	30	
Total Chlordane	ug/Kg	0	U	0	30	
Total Toxaphene	ug/Kg	0	U	0	30	

QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch:	MXX/8265		Analysis Method:	EPA 6020		
QC Batch Method:	EPA 3050B					
Associated Lab Samples:	1750133001	1750133002	1750133003	1750133004	1750134057	1750134058
	1750134059	1750134060	1750135001	1750135002	1750135003	1750135004
	1750135005	1750135006	1750135007	1750135010	1750135011	1750135012
	1750135013	1750135014				

METHOD BLANK: 111626

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 111627 111628

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	10	10	103	102	80-120	0	20	

MATRIX SPIKE SAMPLE: 111630 Original: 1750135014

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	0.24	20	20	99.3	75-125	

SAMPLE DUPLICATE: 111629 Original: 1750135014

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	0.24	0.26i	4.08	20	

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QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch:	MXX/8266	Analysis Method:		EPA 6020		
QC Batch Method:	EPA 3050B					
Associated Lab Samples:	1750135015	1750135016	1750135018	1750135019	1750135020	1750135021
	1750135022	1750135023	1750135024	1750135026	1750135027	1750135028
	1750135029	1750135030	1750135031	1750135033	1750135034	1750135035
	1750135036	1750135037				

METHOD BLANK: 111631

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 111632 111633

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	11	12	114	116	80-120	8.7	20	

MATRIX SPIKE SAMPLE: 111635 Original: 1750135037

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	0.018	20	21	104	75-125	

SAMPLE DUPLICATE: 111634 Original: 1750135037

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	0.018	U	18.2	20	

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QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch:	MXX/8267	Analysis Method:		EPA 6020		
QC Batch Method:	EPA 3050B					
Associated Lab Samples:	1750135038	1750135040	1750135041	1750135042	1750135043	1750135044
	1750135045	1750135046	1750135048	1750135049	1750135050	1750135051
	1750135052	1750135053	1750135054			

METHOD BLANK: 111636

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 111637 111638

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	10	10	104	104	80-120	0	20	

MATRIX SPIKE SAMPLE: 111640 Original: 1750135054

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	0.045	20	20	98.2	75-125	

SAMPLE DUPLICATE: 111639 Original: 1750135054

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	0.045	U	11.8	20	

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QUALITY CONTROL DATA

Workorder: 1750135
Project ID: Hillsboro GC

QC Batch: MXX/8268 Analysis Method: EPA 200.8 (Dissolved)
QC Batch Method: EPA 200.2 mod.
Associated Lab Samples: 1750121001 1750135009 1750135017 1750135025 1750135032 1750135039
1750135047 1750135055

METHOD BLANK: 111641

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 111642 111643

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	50	53	100	106	85-115	5.83	20	

MATRIX SPIKE SAMPLE: 111645 Original: 1750135055

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	2.2	50	59	113	70-130	

SAMPLE DUPLICATE: 111644 Original: 1750135055

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	2.2	1.9i	14.6	20	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750135009	B-1	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135017	B-2	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135025	B-3	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135032	B-4	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135039	B-5	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135047	B-6	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135055	B-7	EPA 3510C	XXX/9664	EPA 8081 (GC)	XGC/3113
1750135001	B-1-0.5	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135002	B-1-2	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135003	B-1-4	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135010	B-2-0.5	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135011	B-2-2	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135012	B-2-4	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135018	B-3-0.5	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135019	B-3-2	EPA 3545	XXX/9670	EPA 8081 (GC)	XGC/3119
1750135009	B-1	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135017	B-2	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135025	B-3	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135032	B-4	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135039	B-5	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135047	B-6	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135055	B-7	EPA 200.2 mod.	MXX/8261	EPA 200.8 (Total)	MMS/7495
1750135020	B-3-4	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135026	B-4-0.5	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135027	B-4-2	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135028	B-4-4	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135033	B-5-0.5	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120

FDOH# E86546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750135034	B-5-2	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135035	B-5-4	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135040	B-6-0.5	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135041	B-6-2	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135042	B-6-4	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135048	B-7-0.5	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135049	B-7-2	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135050	B-7-4	EPA 3545	XXX/9671	EPA 8081 (GC)	XGC/3120
1750135001	B-1-0.5	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135002	B-1-2	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135003	B-1-4	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135004	B-1-6	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135005	B-1-8	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135006	B-1-10	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135007	B-1-15	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135010	B-2-0.5	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135011	B-2-2	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135012	B-2-4	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135013	B-2-6	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135014	B-2-8	EPA 3050B	MXX/8265	EPA 6020	MMS/7499
1750135015	B-2-10	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135016	B-2-15	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135018	B-3-0.5	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135019	B-3-2	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135020	B-3-4	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135021	B-3-6	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135022	B-3-8	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135023	B-3-10	EPA 3050B	MXX/8266	EPA 6020	MMS/7500

FDOH# E86546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750135024	B-3-15	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135026	B-4-0.5	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135027	B-4-2	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135028	B-4-4	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135029	B-4-6	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135030	B-4-8	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135031	B-4-10	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135033	B-5-0.5	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135034	B-5-2	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135035	B-5-4	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135036	B-5-6	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135037	B-5-8	EPA 3050B	MXX/8266	EPA 6020	MMS/7500
1750135038	B-5-10	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135040	B-6-0.5	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135041	B-6-2	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135042	B-6-4	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135043	B-6-6	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135044	B-6-8	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135045	B-6-10	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135046	B-6-15	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135048	B-7-0.5	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135049	B-7-2	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135050	B-7-4	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135051	B-7-6	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135052	B-7-8	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135053	B-7-10	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135054	B-7-15	EPA 3050B	MXX/8267	EPA 6020	MMS/7501
1750135009	B-1	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502

FDOH# E86546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750135017	B-2	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502
1750135025	B-3	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502
1750135032	B-4	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502
1750135039	B-5	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502
1750135047	B-6	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502
1750135055	B-7	EPA 200.2 mod.	MXX/8268	EPA 200.8 (Dissolved)	MMS/7502
1750135001	B-1-0.5	SM 2540G	WGR/3063		
1750135002	B-1-2	SM 2540G	WGR/3063		
1750135003	B-1-4	SM 2540G	WGR/3063		
1750135004	B-1-6	SM 2540G	WGR/3063		
1750135005	B-1-8	SM 2540G	WGR/3063		
1750135006	B-1-10	SM 2540G	WGR/3063		
1750135007	B-1-15	SM 2540G	WGR/3063		
1750135010	B-2-0.5	SM 2540G	WGR/3063		
1750135011	B-2-2	SM 2540G	WGR/3063		
1750135012	B-2-4	SM 2540G	WGR/3063		
1750135013	B-2-6	SM 2540G	WGR/3063		
1750135014	B-2-8	SM 2540G	WGR/3063		
1750135015	B-2-10	SM 2540G	WGR/3063		
1750135016	B-2-15	SM 2540G	WGR/3063		
1750135018	B-3-0.5	SM 2540G	WGR/3063		
1750135019	B-3-2	SM 2540G	WGR/3063		
1750135020	B-3-4	SM 2540G	WGR/3063		
1750135021	B-3-6	SM 2540G	WGR/3063		
1750135022	B-3-8	SM 2540G	WGR/3063		
1750135023	B-3-10	SM 2540G	WGR/3063		
1750135024	B-3-15	SM 2540G	WGR/3063		
1750135026	B-4-0.5	SM 2540G	WGR/3064		

FDOH# E86546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750135

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750135027	B-4-2	SM 2540G	WGR/3064		
1750135028	B-4-4	SM 2540G	WGR/3064		
1750135029	B-4-6	SM 2540G	WGR/3064		
1750135030	B-4-8	SM 2540G	WGR/3065		
1750135031	B-4-10	SM 2540G	WGR/3065		
1750135033	B-5-0.5	SM 2540G	WGR/3065		
1750135034	B-5-2	SM 2540G	WGR/3065		
1750135035	B-5-4	SM 2540G	WGR/3065		
1750135036	B-5-6	SM 2540G	WGR/3065		
1750135037	B-5-8	SM 2540G	WGR/3065		
1750135038	B-5-10	SM 2540G	WGR/3065		
1750135040	B-6-0.5	SM 2540G	WGR/3065		
1750135041	B-6-2	SM 2540G	WGR/3065		
1750135042	B-6-4	SM 2540G	WGR/3065		
1750135043	B-6-6	SM 2540G	WGR/3065		
1750135044	B-6-8	SM 2540G	WGR/3065		
1750135045	B-6-10	SM 2540G	WGR/3066		
1750135046	B-6-15	SM 2540G	WGR/3066		
1750135048	B-7-0.5	SM 2540G	WGR/3066		
1750135049	B-7-2	SM 2540G	WGR/3066		
1750135050	B-7-4	SM 2540G	WGR/3066		
1750135051	B-7-6	SM 2540G	WGR/3066		
1750135052	B-7-8	SM 2540G	WGR/3066		
1750135053	B-7-10	SM 2540G	WGR/3066		
1750135054	B-7-15	SM 2540G	WGR/3066		

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JEL Log # 1750135

P.O. # _____

Quote # _____

Requested Turnaround Time

Note: Rush requests subject to availability by the laboratory

Standard

Expedited

Due 1/1

Comments

Fee

170LD8087

Green

LAB ANALYSIS

#	Sample Label (Label #)	Collected Date	Collected Time	Mat. Lx Code	# of Cont	Parameters			Field Filtered (Y/N)	Comments
						As	8081 (original)	As (Filtered)		
01	B-1-0.5	1/31/17	0939	50	1	✓	✓	✓		
02	B-1-2		0940	50	1	✓	✓	✓		
03	B-1-4		0941	50	1	✓	✓	✓		
04	B-1-6		0942	50	1	✓	✓	✓		
05	B-1-8		0943	30	1	✓	✓	✓		
06	B-1-10		0944	50	1	✓	✓	✓		
07	B-1-15		0945	50	1	✓	✓	✓		
08	B-1-0.5		0946	50	1	✓	✓	✓		
09	B-1		1010	60	3	✓	✓	✓		
10	B-2-0.5		1030	50	1	✓	✓	✓		

Matrix Codes*

S Soil/Sediment SW Surface Water
 GW Ground Water SL Sludge
 WW Waste Water O Other (Please Specify)
 DW Drinking Water

Pres. Codes*

A-None L-Isoc
 B-HNO₃ C-Other
 C-H₂SO₄ M-MeOH
 D-NaOH N-Na₂SO₄
 E-HCl Z-Zinc

QA/QC level with report

None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval Temp Control: _____
 SFWMD ADAPT DOT 2.6 °C

Signature: [Signature] Date: 1/31/17 Time: 1620 Received by: [Signature] Date: 1/31/17 Time: 1645

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J.E.L. Log # 1756135

P.O. #

Quote #

Requested Turnaround Time

Note: Rush requests subject to acceptance by the laboratory

Standard

Expedited

Due 1/1

Comments

LAB ANALYSIS

Parameters:

As
 8081 Pesticides
 As (Filtered)

Field Filtered (Y/N)

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	# of Cont.	Parameters		Field Filtered (Y/N)	Comments
						As	8081 Pesticides		
11	B-2-2	1/31/17	1031	SD	1	✓	✓	green	
12	B-2-4		1032	SD	1	✓	✓		
13	B-2-6		1033	SD	1	✓	✓	Holds 8081	
14	B-2-8		1034	SD	1	✓	✓	"	
15	B-2-10		1035	SD	1	✓	✓	"	
16	B-2-15		1036	SD	1	✓	✓	"	
17	B-2		1107	SD	3	✓	✓	green	
18	B-3-0.5		1137	SD	1	✓	✓		
19	B-3-2		1138	SD	1	✓	✓		
20	B-3-4		1139	SD	1	✓	✓		

Matrix Codes*

S Soft/Solid Sediment
 GW Ground Water
 WW Waste Water
 DW Drinking Water

SW Surface Water
 SL Sludge
 Other (Please Specify)

A: none
 B: HNO₃
 C: H₂SO₄, M: HNO₃
 D: NaOH, N: Na₂S₂O₈
 E: HCl
 Z: ZnAc

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

Temp Control:

FDEP Dry Cleaning FDEP LST Pre-Approval
 SFMND ADAPT DOT

2.6 °C

Requested by
 Ed Rahm

Date 1/31/17
 Time 1620

Received by
 Ed Rahm

Date 1/31/17
 Time 1645

Chris Donney

Jupiter

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J.E.L. Log # **750135**

P.O. #

Quote #

Company Name **Edward G Rahoy PLLC**

Address **632 SW Astor Rd**

City **PSL** State **FL** Zip **34953**

Sampling Site Address **2400 Century Blvd**

Analyst **Ed Rahoy** Email

Project Name **Hillsboro 661 Project # 62102.00**

Sampler Name/Signature **Ed Rahoy / Ed Rahoy**

LAB ANALYSIS

Parameters
As
8081 Pastrols
As (Filtered)

Field Filtered (Y/N)

Requested Turnaround Time
 Standard
 Expedited

Due **1/1**

Comments

Hold 8081

"

"

Farmacy

Hold 8081

"

S	Matrix Codes*	SW	Surface Water	A- none	1- Ice	Date	Time	Received by	Date	Time	Comments
WM	Waste Water	O	Other (Please Specify)	C- H ₂ O ₂	M- MeOH	1/31/17	1645	Chris Danney	1/31/17	1645	
DW	Drinking Water	D	MeOH	N- Na ₂ S ₂ O ₄	Z- ZnAc						
21	B-3-b					1/31/17	1140	SO	1	✓	
22	B-3-8						1141	SO	1	✓	
23	B-3-10						1142	SO	1	✓	
24	B-3-15						1143	SO	1	✓	
25	B-3						1215	GW	3	✓	
26	B-4-0.5						1235	SO	1	✓	
27	B-4-2						1236	SO	1	✓	
28	B-4-4						1237	SO	1	✓	
29	B-4-6						1238	SO	1	✓	
30	B-4-8						1239	SO	1	✓	

QA/QC level with report
 None 1 2 3 See price guide for applicable fees.

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFVMD ADAPT DOT

Temp Control:
2.6 °C

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JEL Log # 1750135

P.O. #

Quote #

Requested Turnaround Time

Note: Rush requests subject to acceptance by the laboratory

Standard

Expedited

Due 1/1

Comments

Hold 8081

Fairway

Hold 8081

" "

" "

Green

LAB ANALYSIS

Parameters

As
 8081 Pesticides
 As (filtered)

Field Filtered (Y/N)

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	# of Cont.	LAB ANALYSIS				Field Filtered (Y/N)	Comments					
						Date	Time	Received by	Date							
31	B-4-10	1/31/17	1240	SO	1											
32	B-4		1252	GW	3											
33	B-5-0.5		1310	SO	1											
34	B-5-2		1311	SO	1											
35	B-5-4		1312	SO	1											
36	B-5-6		1313	SO	1											
37	B-5-8		1314	SO	1											
38	B-5-10		1315	SO	1											
39	B-5		1325	GW	3											
40	B-6-0.5		1338													

Matrix Codes*

S	Soil/Solid Sediment	SW	Surface Water	A- none	I- Ice
GW	Ground Water	SL	Sludge	B- HNO ₃	O- Other
MW	Metal Waste Water	O	Other (Please Specify)	C- H ₂ SO ₄	M- MeqH
DW	Drinking Water			D- NaOH	N- Na ₂ S ₂ O ₈
				E- HCl	Z- ZnAc

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

Temp Control:

FDEP Dry Cleaning FDEP DST Pre-Approval
 SFMMD ADAPT DOT

2.6 °C

Jupiter

Environmental Laboratories, Inc.

150 S. Old Dixie Highway, Jupiter, FL 33458
 (561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1750135

P.O. # _____

Quote # _____

Requested Turnaround Time

Standard

Expedited

Due / /

Comments

LAB ANALYSIS

Parameters
As
8081 Perchlorate
As (Filtered)

Field Filtered (Y/N)

#	Sample Label (Collet ID)	Collected Date	Collected Time	Matrix Code	# of Cont.	Field Filtered (Y/N)	Comments
41	B-6-2	13/17	1339	SD	1	✓	
42	B-6-4		1340	SD	1	✓	
43	B-6-6		1341	SD	1	✓	Hold 8081
44	B-6-8		1342	SD	1	✓	"
45	B-6-10		1343	SD	1	✓	"
46	B-6-15		1344	SD	1	✓	"
47	B-6		1400	SD	3	✓	
48	B-7-0.5		1420	SD	1	✓	
49	B-7-2		1421	SD	1	✓	
50	B-7-4		1422	SD	1	✓	

Matrix Codes

S	Soils/Sediment	SW	Surface Water	A: none	1: Ice
GW	Ground Water	SL	Sludge	B: HNO ₃	0: Other
WW	Waste Water	O	Other (Please Specify)	C: H ₂ SO ₄	M: H ₂ O ₂
DW	Drinking Water			D: NaOH	N: Na ₂ S ₂ O ₈
				E: HCl	Z: ZINC

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval Temp Control: _____
 SFVWMD ADAPT DOT 2.6 °C

Received by: Ed Dabre Date: 13/17 Time: 1620
Chris Donvey Date: 13/17 Time: 1645

Jupiter

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J.E.L. Log # 1750135

P.O. # _____

Quote # _____

Requested Turnaround Time _____

Notes: Rush requests subject to acceptance by the laboratory

Standard

Expedited

Due 1/11

Comments

Hold 8081

11

11

11

LAB ANALYSIS

Parameters

As
 8081 Posticides
 As (Filtered)

Field Filtered (Y/N)

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	# of Can	Parameters		Field Filtered (Y/N)		Comments
						As	8081 Posticides	As (Filtered)		
51	B-7-6	1/31/17	1423	SD	1	✓	✓			
52	B-7-8		1424	SD	1	✓	✓			
53	B-7-10		1425	SD	1	✓	✓			
54	B-7-15		1426	SD	1	✓	✓			
55	B-7		1440	SD	3	✓	✓			
6										
7										
8										
9										
0										

Matrix Codes*

S Soil/Solid Sediment
 GW Ground Water
 WW Waste Water
 DW Drinking Water

SW Surface Water
 SL Sludge
 C Other (Please Specify)

A- none
 B- HNO₃
 C- H₂SO₄
 D- MeOH
 E- HCl

1 Ice
 O Other
 M- MeOH
 N- Na₂SO₄
 Z- ZnAc

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

Temp Control:

FDEP Dry Cleaning FDEP UST Pre-Approval
 SPWMD ADAPT DOT

Temp Control: 2.6 °C

Company Name Edward G Rahrig PLLC

Address 632 SW Aster Rd

City PSL State FL Zip 34953

Sampling Site Address 2400 Century Blvd

Attn: Ed Rahrig Email _____

Project Name HHSboro GC Project # 62102,00

Sampler Name/Signature Ed Rahrig

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont
01	B-1-0.5	1/31/17	0939	50	1
02	B-1-2		0940	50	1
03	B-1-4		0941	50	1
04	B-1-6		0942	50	1
05	B-1-8		0943	50	1
06	B-1-10		0944	50	1
07	B-1-15		0945	50	1
08	B-1-0.5		0946	50	1
09	B-1		1010	50	3
10	B-2-0.5		1030	50	1

Parameters
As
8081 (pre-filt)
As (filtered)

LAB ANALYSIS

Field Filtered (Y/N)

Requested Turnaround Time

Note: Rush requests subject to acceptance by the laboratory

Standard

Expedited

Due 1/1

Comments

Te

Green

Matrix Codes*	Pres Codes	Relinquished by	Date	Time	Received by	Date	Time
S Soil/Solid Sediment	A- none	<u>Ed Rahrig</u>	1/31/17	1620	<u>Ed Rahrig</u>	1/31/17	1620
GW Ground Water	B- HNO ₃						
WW Waste Water	C- H ₂ SO ₄						
DW Drinking Water	D- NaOH						
	E- HCl						
	F- Ice						
	G- Other						
	H- Na ₂ S ₂ O ₈						
	I- MeOH						
	J- Na ₂ S ₂ O ₃						
	K- ZnAc						

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

Temp Control: 2.6 °C

FDEP Dry Cleaning FDEP UST Pre-Approval DOT

SFWMD ADAPT

Company Name **Edward G Rahmy P6 LLC**

Address **632 SW Aster Rd**

City **PSL** State **FL** zip **34953**

Sampling Site Address **2400 Century Blvd**

Auth: **Ed Rahmy** Email _____

Project Name **Hillsboro Rd** Project # **62102-00**

Sampler Name/Signature **Ed Rahmy**

1 Sample Label **(Client ID)** Collected Date **1/31/17** Collected Time **1031** Matrix Code* **SO** # of Cont **1**

11 **B-2-2** **1/31/17** **1031** **SO** **1**

12 **B-2-4** **1032** **SO** **1**

13 **B-2-6** **1033** **SO** **1**

14 **B-2-8** **1034** **SO** **1**

15 **B-2-10** **1035** **SO** **1**

16 **B-2-15** **1036** **SO** **1**

17 **B-2** **1107** **SO** **3**

18 **B-3-0.5** **1137** **SO** **1**

19 **B-3-2** **1138** **SO** **1**

20 **B-3-4** **1139** **SO** **1**

Pres Codes

Parameters

LAB ANALYSIS

Field Filtered (Y/N)

Requested Turnaround Time

Note: Rush requests subject to acceptance by the laboratory

Standard

Expedited

Due / /

Comments

green

green

Matrix Codes*

Pres Codes

Relinquished by

Date

Time

Received by

Date

Time

S Soil/Solid Sediment
 GW Ground Water
 WW Waste Water
 DW Drinking Water

SW Surface Water
 SL Sludge
 O Other (Please Specify)

A- none
 B- HNO₃
 C- H₂SO₄
 D- NaOH
 E- HCl

I- Ice
 O- Other
 M- MeOH
 N- Na₂S₂O₈
 Z- ZnAc

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval Temp Control: _____

SFWMD ADAPT DOT 2.6 °C

Relinquished by **Ed Rahmy** Date **1/31/17** Time **1620**
 Received by **Chris Donney** Date **1/31/17** Time **1645**

Jupiter

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 (561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # **1750135**

P.O. # _____

Quote # _____

Requested Turnaround Time

Standard

Expedited

Due / /

Comments

LAB ANALYSIS

Pres Codes

Parameters

As
 8081 Pesticides
 As (filtered)

Field Filtered (Y/N)

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	LAB ANALYSIS				Requested Turnaround Time							
						Parameters	Pres Codes	Field Filtered (Y/N)	Comments								
21	B-3-6	1.31.17	1140	SO	1	As											
22	B-3-8		1141	SO	1	8081 Pesticides											
23	B-3-10		1142	SO	1	As (filtered)											
24	B-3-15		1143	SO	1												
25	B-3		1215	GW	3												
26	B-4-0.5		1235	SO	1												
27	B-4-2		1236	SO	1												
28	B-4-4		1237	SO	1												
29	B-4-6		1238	SO	1												
30	B-4-8		1239	SO	1												

Matrix Codes*

S Soil/Solid Sediment
 GW Ground Water
 WW Waste Water
 DW Drinking Water

SW Surface Water
 SL Sludge
 O Other (Please Specify)

A- none
 B- HNO₃
 C- H₂SO₄
 D- NaOH
 E- HCl

I- Ice
 O- Other
 M- MeOH
 N- Na₂S₂O₈
 Z- ZnAc

Pres Codes

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

Temp Control:

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFWMD ADAPT DOT

2.6 °C

Relinquished by


Date: 1/31/17 Time: 1620
 Received by: Chris Danvey
 Date: 1/31/17 Time: 1645

Jupiter

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(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

www.jupiterlabs.com

J.E.L. Log # 1750135

P.O. #

Quote #

Company Name Edward G Rahrig PA LLC

Address 632 SW Astor Rd

City PSL State FL Zip 34953

Sampling Site Address 2400 Century Blvd

Attn: Ed Rahrig Email

Project Name Hillsboro bc Project # 62102.00

Sample Name/Signature Ed Rahrig

Sample Label (Client ID) Collected Date Collected Time Matrix Code # of Cont

Parameters

Pres Codes

As
8081 Pesticides
As (filtered)

LAB ANALYSIS

Field Filtered (Y/N)

Requested Turnaround Time

Note: Rush requests subject to acceptance by the laboratory

Standard

Expedited

Due 1/1

Comments

Fairway

Green

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters	Pres Codes	Field Filtered (Y/N)	Requested Turnaround Time
31	B-4-10	1/31/17	1240	SO	1	<u>As</u>			
32	B-4		1252	GW	3	<u>As</u>			
33	B-5-0.5		1310	SO	1	<u>As</u>			
34	B-5-2		1311	SO	1	<u>As</u>			
35	B-5-4		1312	SO	1	<u>As</u>			
36	B-5-6		1313	SO	1	<u>As</u>			
37	B-5-8		1314	SO	1	<u>As</u>			
38	B-5-10		1315	SO	1	<u>As</u>			
39	B-5		1325	GW	3	<u>As</u>			
40	B-6-0.5		1338			<u>As</u>			

Matrix Codes*

Pres Codes

Relinquished by

Date

Time

Received by

Date

Time

S Soil/Solid Sediment
GW Ground Water
WW Waste Water
DW Drinking Water

SW Surface Water
SL Sludge
Other (Please Specify)

A: none
B: HNO₃
C: H₂SO₄
D: NaOH
E: HCl
I: Ice
O: Other
M: MeOH
N: Na₂S₂O₈
Z: ZnAc

QA/QC level with report

None 1 2 3 See price guide for applicable fees

Temp Control:

FDEP Dry Cleaning FDEP UST Pre-Approval
SFWMMD ADAPT DOT

2.6 °C

Ed Rahrig
Chris Danvers

1/31/17 1620
1/31/17 1645

Ed Rahrig
Chris Danvers

1/31/17 1620
1/31/17 1645

Company Name: Edward G Rahrig P&LLC

Address: 632 SW Aster Rd

City: PSC State: FL Zip: 32955

Sampling Site Address: 2400 Century Blvd

Attn: Ed Rahrig Email: _____

Project Name: Hillsboro Gd Project # 62102,00

Sample Name/Signature: Ed G / Ed Rahrig

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters		LAB ANALYSIS	Field Filtered (Y/N)	Requested Turnaround Time	Comments
						AS	8081 Pesticides				
41	B-6-2	1/31/17	1339	SO	1	✓	✓				
42	B-6-4		1340	SO	1	✓	✓				
43	B-6-6		1341	SO	1	✓	✓				
44	B-6-8		1342	SO	1	✓	✓				
45	B-6-10		1343	SO	1	✓	✓				
46	B-6-15		1344	SO	1	✓	✓				
47	B-6		1400	SO	3	✓	✓				
48	B-7-0.5		1420	SO	1	✓	✓				
49	B-7-2		1421	SO	1	✓	✓				
50	B-7-4		1422	SO	1	✓	✓				

QA/QC level with report: None 1 2 3 See price guide for applicable fees

Temp Control: _____ °C

FDEP Dry Cleaning FDEP UST Pre-Approval DOT

SFWMD ADAPT

Matrix Codes: S: Soil/Solid Sediment, WW: Wastewater, DW: Drinking Water, SW: Surface Water, SL: Sludge, Other: (Please Specify)

Pres Codes: A: none, B: HNO₃, C: H₂SO₄, D: NaOH, E: HCl, I: Ice, O: Other, M: MeOH, N: Na₂S₂O₈, Z: ZnAc

Relinquished by: [Signature] Date: 1/31/17 Time: 1620

Received by: Chris Donvey Date: 1/31/17 Time: 1645

Company Name **Edward G Rahrig PLLC**

Address **632 SW Aster Rd**

City **PSL** State **FL** Zip **34953**

Sampling Site Address **2400 Century Blvd**

Attn: **EA Rahrig** Email _____

Project Name **HillsboroGd** Project # **62102.00**

Sample Name/Signature **EA Rahrig EA Rahrig**

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont.	Parameters		Pres Codes	LAB ANALYSIS	Field Filtered (Y/N)	Requested Turnaround Time	Comments
						As	8081 Pesticides As (Filtered)					
51	B-7-6	1/31/17	1423	50	1	✓	✓					
52	B-7-8		1424	50	1	✓	✓					
53	B-7-10		1425	50	1	✓	✓					
54	B-7-15		1426	SD	1	✓	✓					
55	B-7		1440	GW	3	✓	✓					
6												
7												
8												
9												
0												

Matrix Codes*

Pres Codes

Relinquished by

Date

Time

Received by

Date

Time

QA/QC level with report
None 1 2 3 See price guide for applicable fees

Temp Control:

FDEP Dry Cleaning FDEP UST Pre-Approval DOT
SFWMD ADAPT 2.6 °C

A- none I- Ice
B- HNO₃ O- Other
C- H₂SO₄ M- MeOH
D- NaOH N- Na₂S₂O₅
E- HCl Z- ZnAc

[Signature]
[Signature]

1/31/17 1620
1/31/17 1645

[Signature]
[Signature]

1/31/17 1620
1/31/17 1645

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG: 1750135 Req: 2603
 Client: ① ~~SCS~~ Edward G. Rahrig PG LLC Project: ① M. Hernandez Hillsboro GC
 Level: 1 Date Rec'd: 1/31/2017 5:10:00 PM
 Rec'd via: courier

Cooler Check

Security Tape

ID	Temp	# of samples	Present	Intact	Method of Receipt	Comments
	2.6	55	<input type="checkbox"/>	<input type="checkbox"/>	Pick Up	

Checked By: CLD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/ Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)	Domestic	COC Comments written on COC?	Yes
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	RUSH
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
① CLD 2-1-2017			

February 14, 2017

Edward Rahrig
Edward Rahrig
632 SW Aster Rd
Port Saint Lucie, FL 34953

RE: LOG# 1750164
Project ID: Hillsboro GC
COC# 1750164

Dear Edward Rahrig:

Enclosed are the analytical results for sample(s) received by the laboratory between Thursday, February 02, 2017 and Friday, February 03, 2017. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

SAMPLE ANALYTE COUNT

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750164001	B-8-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164002	B-8-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164003	B-8-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164004	B-8-6	EPA 6020	1
		SM 2540G	1
1750164005	B-8-8	EPA 6020	1
		SM 2540G	1
1750164006	B-8-10	EPA 6020	1
		SM 2540G	1
1750164007	B-8	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750164008	B-9-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164009	B-9-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164010	B-9-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164011	B-9-6	EPA 6020	1
		SM 2540G	1
1750164012	B-9-8	EPA 6020	1
		SM 2540G	1
1750164013	B-9-10	EPA 6020	1
		SM 2540G	1
1750164014	B-9-15	EPA 6020	1

FDOH# E86546

CERTIFICATE OF ANALYSIS

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SAMPLE ANALYTE COUNT

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750164014	B-9-15	SM 2540G	1
1750164015	B-9	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750164016	B-10-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164017	B-10-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164018	B-10-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164019	B-10-6	EPA 6020	1
		SM 2540G	1
1750164020	B-10-8	EPA 6020	1
		SM 2540G	1
1750164021	B-10-10	EPA 6020	1
		SM 2540G	1
1750164022	B-10-15	EPA 6020	1
		SM 2540G	1
1750164023	B-10	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750164024	B-11-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164025	B-11-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164026	B-11-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164027	B-11-6	EPA 6020	1

FDOH# E86546

CERTIFICATE OF ANALYSIS

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SAMPLE ANALYTE COUNT

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	Method	Analytes Reported
1750164027	B-11-6	SM 2540G	1
1750164028	B-11-8	EPA 6020	1
		SM 2540G	1
1750164029	B-11-10	EPA 6020	1
		SM 2540G	1
1750164030	B-11	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24
1750164031	B-12-0.5	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164032	B-12-2	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164033	B-12-4	EPA 6020	1
		EPA 8081 (GC)	24
		SM 2540G	1
1750164034	B-12-6	EPA 6020	1
		SM 2540G	1
1750164035	B-12-8	EPA 6020	1
		SM 2540G	1
1750164036	B-12-10	EPA 6020	1
		SM 2540G	1
1750164037	B-12-15	EPA 6020	1
		SM 2540G	1
1750164038	B-12	EPA 200.8 (Dissolved)	1
		EPA 200.8 (Total)	1
		EPA 8081 (GC)	24

SAMPLE SUMMARY

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1750164001	B-8-0.5	Soil/Solid	2/2/2017 09:05	2/2/2017 13:43
1750164002	B-8-2	Soil/Solid	2/2/2017 09:06	2/2/2017 13:43
1750164003	B-8-4	Soil/Solid	2/2/2017 09:07	2/2/2017 13:43
1750164004	B-8-6	Soil/Solid	2/2/2017 09:08	2/2/2017 13:43
1750164005	B-8-8	Soil/Solid	2/2/2017 09:09	2/2/2017 13:43
1750164006	B-8-10	Soil/Solid	2/2/2017 09:10	2/2/2017 13:43
1750164007	B-8	Aqueous Liquid	2/2/2017 09:33	2/2/2017 13:43
1750164008	B-9-0.5	Soil/Solid	2/2/2017 09:45	2/2/2017 13:43
1750164009	B-9-2	Soil/Solid	2/2/2017 09:46	2/2/2017 13:43
1750164010	B-9-4	Soil/Solid	2/2/2017 09:47	2/2/2017 13:43
1750164011	B-9-6	Soil/Solid	2/2/2017 09:48	2/2/2017 13:43
1750164012	B-9-8	Soil/Solid	2/2/2017 09:49	2/2/2017 13:43
1750164013	B-9-10	Soil/Solid	2/2/2017 09:50	2/2/2017 13:43
1750164014	B-9-15	Soil/Solid	2/2/2017 09:51	2/2/2017 13:43
1750164015	B-9	Aqueous Liquid	2/2/2017 10:15	2/2/2017 13:43
1750164016	B-10-0.5	Soil/Solid	2/2/2017 10:30	2/2/2017 13:43
1750164017	B-10-2	Soil/Solid	2/2/2017 10:31	2/2/2017 13:43
1750164018	B-10-4	Soil/Solid	2/2/2017 10:32	2/2/2017 13:43
1750164019	B-10-6	Soil/Solid	2/2/2017 10:33	2/2/2017 13:43
1750164020	B-10-8	Soil/Solid	2/2/2017 10:34	2/2/2017 13:43
1750164021	B-10-10	Soil/Solid	2/2/2017 10:35	2/2/2017 13:43
1750164022	B-10-15	Soil/Solid	2/2/2017 10:36	2/2/2017 13:43
1750164023	B-10	Aqueous Liquid	2/2/2017 11:01	2/2/2017 13:43
1750164024	B-11-0.5	Soil/Solid	2/2/2017 11:15	2/2/2017 13:43
1750164025	B-11-2	Soil/Solid	2/2/2017 11:16	2/2/2017 13:43
1750164026	B-11-4	Soil/Solid	2/2/2017 11:17	2/2/2017 13:43
1750164027	B-11-6	Soil/Solid	2/2/2017 11:18	2/2/2017 13:43
1750164028	B-11-8	Soil/Solid	2/2/2017 11:19	2/3/2017 09:54
1750164029	B-11-10	Soil/Solid	2/2/2017 11:20	2/3/2017 09:54
1750164030	B-11	Aqueous Liquid	2/2/2017 11:37	2/2/2017 13:43
1750164031	B-12-0.5	Soil/Solid	2/2/2017 11:55	2/3/2017 09:54
1750164032	B-12-2	Soil/Solid	2/2/2017 11:56	2/3/2017 09:54
1750164033	B-12-4	Soil/Solid	2/2/2017 11:57	2/3/2017 09:54
1750164034	B-12-6	Soil/Solid	2/2/2017 11:58	2/3/2017 09:54
1750164035	B-12-8	Soil/Solid	2/2/2017 11:59	2/3/2017 09:54

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SAMPLE SUMMARY

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1750164036	B-12-10	Soil/Solid	2/2/2017 12:00	2/3/2017 09:54
1750164037	B-12-15	Soil/Solid	2/2/2017 12:01	2/3/2017 09:54
1750164038	B-12	Aqueous Liquid	2/2/2017 12:30	2/2/2017 13:43

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164001** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-8-0.5** Date Collected: 2/2/2017 09:05

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	97.7 %	0.1		1			2/3/2017 13:44		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	55 %	50-130		1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	186 %	50-130		1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM J2
4,4'-DDD	U ug/Kg	0.343	0.067	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
4,4'-DDE	U ug/Kg	0.363	0.073	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
4,4'-DDT	U ug/Kg	0.841	0.168	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Aldrin	U ug/Kg	0.374	0.074	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
a-BHC	U ug/Kg	0.332	0.066	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
a-Chlordane	U ug/Kg	0.467	0.092	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
b-BHC	U ug/Kg	0.457	0.090	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
d-BHC	U ug/Kg	0.332	0.065	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Dieldrin	0.633 ug/Kg	0.353	0.071	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Endosulfan I	U ug/Kg	0.363	0.073	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Endosulfan II	U ug/Kg	0.509	0.101	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Endosulfan sulfate	U ug/Kg	0.696	0.138	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Endrin	U ug/Kg	0.405	0.080	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Endrin Aldehyde	U ug/Kg	0.405	0.080	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Endrin Ketone	U ug/Kg	0.779	0.155	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
g-BHC (Lindane)	U ug/Kg	0.374	0.075	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
g-Chlordane	U ug/Kg	0.363	0.072	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Heptachlor	U ug/Kg	0.478	0.096	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Heptachlor epoxide	U ug/Kg	0.311	0.061	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Methoxychlor	U ug/Kg	0.529	0.106	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Total Chlordane	U ug/Kg	0.820	0.164	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Total Toxaphene	U ug/Kg	13.2	2.65	1	2/3/2017 13:30	CM	2/6/2017 21:02		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	1.5 mg/Kg	0.51	0.084	2	2/2/2017 16:52	ZS	2/3/2017 15:26		ZS

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164002** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-8-2** Date Collected: 2/2/2017 09:06

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	95.4	%	0.1		1			2/3/2017 13:44		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	74	%	50-130		1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	87	%	50-130		1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
4,4'-DDD		U ug/Kg	0.358	0.071	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
4,4'-DDE		U ug/Kg	0.380	0.076	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
4,4'-DDT		U ug/Kg	0.879	0.176	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Aldrin		U ug/Kg	0.391	0.077	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
a-BHC		U ug/Kg	0.347	0.069	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
a-Chlordane		U ug/Kg	0.489	0.097	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
b-BHC		U ug/Kg	0.478	0.094	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
d-BHC		U ug/Kg	0.347	0.068	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Dieldrin	0.103i	ug/Kg	0.369	0.074	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Endosulfan I		U ug/Kg	0.380	0.076	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Endosulfan II		U ug/Kg	0.532	0.105	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Endosulfan sulfate		U ug/Kg	0.727	0.144	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Endrin		U ug/Kg	0.423	0.084	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Endrin Aldehyde		U ug/Kg	0.423	0.084	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Endrin Ketone		U ug/Kg	0.814	0.162	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
g-BHC (Lindane)		U ug/Kg	0.391	0.078	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
g-Chlordane		U ug/Kg	0.380	0.075	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Heptachlor		U ug/Kg	0.499	0.100	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Heptachlor epoxide		U ug/Kg	0.326	0.064	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Methoxychlor		U ug/Kg	0.554	0.111	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Total Chlordane		U ug/Kg	0.858	0.172	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Total Toxaphene		U ug/Kg	13.8	2.77	1	2/3/2017 13:30	CM	2/6/2017 21:32		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	3.1	mg/Kg	0.52	0.086	2	2/2/2017 16:52	ZS	2/3/2017 15:31		ZS

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164003** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-8-4** Date Collected: 2/2/2017 09:07

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.3	%	0.1		1			2/3/2017 13:44		NE
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	61	%	50-130		1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	109	%	50-130		1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
4,4'-DDD		U ug/Kg	0.346	0.068	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
4,4'-DDE		U ug/Kg	0.367	0.073	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
4,4'-DDT		U ug/Kg	0.850	0.170	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Aldrin		U ug/Kg	0.378	0.075	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
a-BHC		U ug/Kg	0.336	0.067	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
a-Chlordane		U ug/Kg	0.472	0.093	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
b-BHC		U ug/Kg	0.462	0.091	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
d-BHC		U ug/Kg	0.336	0.066	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Dieldrin		U ug/Kg	0.357	0.071	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Endosulfan I		U ug/Kg	0.367	0.073	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Endosulfan II		U ug/Kg	0.514	0.102	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Endosulfan sulfate		U ug/Kg	0.703	0.140	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Endrin		U ug/Kg	0.409	0.081	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Endrin Aldehyde		U ug/Kg	0.409	0.081	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Endrin Ketone		U ug/Kg	0.787	0.156	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
g-BHC (Lindane)		U ug/Kg	0.378	0.076	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
g-Chlordane		U ug/Kg	0.367	0.072	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Heptachlor		U ug/Kg	0.483	0.097	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Heptachlor epoxide		U ug/Kg	0.315	0.062	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Methoxychlor		U ug/Kg	0.535	0.107	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Total Chlordane		U ug/Kg	0.829	0.166	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Total Toxaphene		U ug/Kg	13.4	2.68	1	2/3/2017 13:30	CM	2/6/2017 21:47		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	0.48i	mg/Kg	0.52	0.085	2	2/2/2017 16:52	ZS	2/3/2017 15:35		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164004** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-8-6** Date Collected: 2/2/2017 09:08

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.2	%	0.1		1			2/3/2017 13:44	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.51	0.084	2	2/2/2017 16:52	ZS	2/3/2017 15:39	ZS	

ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164005** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-8-8** Date Collected: 2/2/2017 09:09

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	98.4	%	0.1		1			2/3/2017 13:44	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.51	0.083	2	2/2/2017 16:52	ZS	2/3/2017 15:44	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164006** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-8-10** Date Collected: 2/2/2017 09:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	92.3	%	0.1		1			2/3/2017 13:44	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.54	0.089	2	2/2/2017 16:52	ZS	2/3/2017 15:48	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164007** Date Received: 2/2/2017 13:43 Matrix: Aqueous Liquid
Sample ID: **B-8** Date Collected: 2/2/2017 09:33

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	36 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	48 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	J2
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/3/2017 11:43	BFM	2/3/2017 20:34	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	0.80i ug/L		2.0	0.65	4	2/3/2017 09:23	ZS	2/3/2017 13:22	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	U ug/L		2.0	0.65	4	2/3/2017 09:16	ZS	2/3/2017 13:01	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164008** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-0.5** Date Collected: 2/2/2017 09:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	100	%	0.1		1			2/3/2017 13:44		NE
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	72	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	134	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM J2
4,4'-DDD		U ug/Kg	0.385	0.076	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
4,4'-DDE		U ug/Kg	0.408	0.082	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
4,4'-DDT		U ug/Kg	0.944	0.189	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Aldrin		U ug/Kg	0.420	0.083	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
a-BHC		U ug/Kg	0.373	0.075	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
a-Chlordane		U ug/Kg	0.524	0.104	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
b-BHC		U ug/Kg	0.513	0.101	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
d-BHC		U ug/Kg	0.373	0.073	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Dieldrin	3.18	ug/Kg	0.396	0.079	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Endosulfan I		U ug/Kg	0.408	0.082	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Endosulfan II		U ug/Kg	0.571	0.113	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Endosulfan sulfate		U ug/Kg	0.781	0.155	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Endrin		U ug/Kg	0.455	0.090	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Endrin Aldehyde		U ug/Kg	0.455	0.090	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Endrin Ketone		U ug/Kg	0.874	0.174	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
g-BHC (Lindane)		U ug/Kg	0.420	0.084	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
g-Chlordane		U ug/Kg	0.408	0.080	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Heptachlor		U ug/Kg	0.536	0.107	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Heptachlor epoxide		U ug/Kg	0.350	0.069	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Methoxychlor		U ug/Kg	0.594	0.119	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Total Chlordane		U ug/Kg	0.921	0.184	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Total Toxaphene		U ug/Kg	14.9	2.97	1	2/3/2017 13:29	CM	2/6/2017 22:03		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	13	mg/Kg	0.50	0.082	2	2/2/2017 16:52	ZS	2/3/2017 16:14		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164009** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-2** Date Collected: 2/2/2017 09:46

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.8	%	0.1		1			2/3/2017 13:44		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	85	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	95	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
4,4'-DDD		U ug/Kg	0.355	0.070	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
4,4'-DDE		U ug/Kg	0.376	0.075	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
4,4'-DDT		U ug/Kg	0.871	0.174	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Aldrin		U ug/Kg	0.387	0.076	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
a-BHC		U ug/Kg	0.344	0.069	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
a-Chlordane		U ug/Kg	0.484	0.096	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
b-BHC		U ug/Kg	0.473	0.094	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
d-BHC		U ug/Kg	0.344	0.068	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Dieldrin	2.36	ug/Kg	0.366	0.073	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Endosulfan I		U ug/Kg	0.376	0.075	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Endosulfan II		U ug/Kg	0.527	0.104	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Endosulfan sulfate		U ug/Kg	0.721	0.143	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Endrin		U ug/Kg	0.419	0.083	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Endrin Aldehyde		U ug/Kg	0.419	0.083	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Endrin Ketone		U ug/Kg	0.807	0.160	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
g-BHC (Lindane)		U ug/Kg	0.387	0.077	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
g-Chlordane		U ug/Kg	0.376	0.074	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Heptachlor		U ug/Kg	0.495	0.099	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Heptachlor epoxide		U ug/Kg	0.323	0.063	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Methoxychlor		U ug/Kg	0.549	0.110	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Total Chlordane		U ug/Kg	0.850	0.170	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Total Toxaphene		U ug/Kg	13.7	2.74	1	2/3/2017 13:29	CM	2/6/2017 22:18		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.2	mg/Kg	0.52	0.085	2	2/2/2017 16:52	ZS	2/3/2017 16:18		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164010** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-4** Date Collected: 2/2/2017 09:47

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.8	%	0.1		1			2/3/2017 13:44		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	77	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	72	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
4,4'-DDD		U ug/Kg	0.347	0.068	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
4,4'-DDE		U ug/Kg	0.368	0.074	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
4,4'-DDT		U ug/Kg	0.852	0.170	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Aldrin		U ug/Kg	0.379	0.075	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
a-BHC		U ug/Kg	0.336	0.067	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
a-Chlordane		U ug/Kg	0.473	0.094	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
b-BHC		U ug/Kg	0.463	0.091	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
d-BHC		U ug/Kg	0.336	0.066	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Dieldrin	0.673	ug/Kg	0.357	0.071	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Endosulfan I		U ug/Kg	0.368	0.074	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Endosulfan II		U ug/Kg	0.515	0.102	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Endosulfan sulfate		U ug/Kg	0.704	0.140	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Endrin		U ug/Kg	0.410	0.081	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Endrin Aldehyde		U ug/Kg	0.410	0.081	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Endrin Ketone		U ug/Kg	0.789	0.157	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
g-BHC (Lindane)		U ug/Kg	0.379	0.076	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
g-Chlordane		U ug/Kg	0.368	0.073	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Heptachlor		U ug/Kg	0.484	0.097	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Heptachlor epoxide		U ug/Kg	0.315	0.062	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Methoxychlor		U ug/Kg	0.536	0.107	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Total Chlordane		U ug/Kg	0.831	0.166	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Total Toxaphene		U ug/Kg	13.4	2.68	1	2/3/2017 13:29	CM	2/6/2017 22:33		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.8	mg/Kg	0.52	0.085	2	2/2/2017 16:52	ZS	2/3/2017 16:23		ZS

ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164011** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-6** Date Collected: 2/2/2017 09:48

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.1	%	0.1		1			2/3/2017 13:44	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.2	mg/Kg	0.52	0.085	2	2/2/2017 16:52	ZS	2/3/2017 16:27	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164012** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-8** Date Collected: 2/2/2017 09:49

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.0	%	0.1		1			2/3/2017 13:44	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.65	mg/Kg	0.52	0.085	2	2/2/2017 16:52	ZS	2/3/2017 16:32	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164013** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-10** Date Collected: 2/2/2017 09:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.4 %		0.1		1			2/3/2017 13:44	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	U mg/Kg		0.51	0.084	2	2/2/2017 16:52	ZS	2/3/2017 16:36	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164014** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-9-15** Date Collected: 2/2/2017 09:51

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.3	%	0.1		1			2/3/2017 11:01	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.51	0.084	2	2/2/2017 16:52	ZS	2/3/2017 16:40	ZS	

ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164015** Date Received: 2/2/2017 13:43 Matrix: Aqueous Liquid
Sample ID: **B-9** Date Collected: 2/2/2017 10:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	39 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	53 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/3/2017 11:43	BFM	2/3/2017 20:49	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	9.4 ug/L		2.0	0.65	4	2/3/2017 09:23	ZS	2/3/2017 13:27	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	6.5 ug/L		2.0	0.65	4	2/3/2017 09:16	ZS	2/3/2017 13:05	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164016** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-0.5** Date Collected: 2/2/2017 10:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.9	%	0.1		1			2/3/2017 11:01		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	78	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	1080	%	50-130		50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM J2d
4,4'-DDD		U ug/Kg	19.5	3.85	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
4,4'-DDE		U ug/Kg	0.414	0.083	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
4,4'-DDT		U ug/Kg	47.9	9.59	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Aldrin		U ug/Kg	0.426	0.084	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
a-BHC		U ug/Kg	0.379	0.076	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
a-Chlordane	169	ug/Kg	26.6	5.27	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
b-BHC		U ug/Kg	0.521	0.103	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
d-BHC		U ug/Kg	0.379	0.075	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
Dieldrin	78.8	ug/Kg	20.1	4.02	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Endosulfan I		U ug/Kg	0.414	0.083	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
Endosulfan II		U ug/Kg	29.0	5.74	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Endosulfan sulfate		U ug/Kg	39.6	7.87	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Endrin		U ug/Kg	0.462	0.091	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
Endrin Aldehyde		U ug/Kg	23.1	4.56	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Endrin Ketone		U ug/Kg	44.4	8.82	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
g-BHC (Lindane)		U ug/Kg	0.426	0.085	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
g-Chlordane	137	ug/Kg	20.7	4.08	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Heptachlor		U ug/Kg	0.544	0.109	1	2/3/2017 13:29	CM	2/6/2017 22:48		BFM
Heptachlor epoxide		U ug/Kg	17.8	3.49	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Methoxychlor		U ug/Kg	30.2	6.04	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Total Chlordane	1430	ug/Kg	46.7	9.35	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Total Toxaphene	5210	ug/Kg	754	151	50	2/3/2017 13:29	CM	2/7/2017 12:22		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	23	mg/Kg	0.51	0.084	2	2/2/2017 16:52	ZS	2/3/2017 16:45		ZS

ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164017** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-2** Date Collected: 2/2/2017 10:31

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.8	%	0.1		1			2/3/2017 11:01		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	67	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	82	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
4,4'-DDD		U ug/Kg	0.371	0.073	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
4,4'-DDE		U ug/Kg	0.394	0.079	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
4,4'-DDT		U ug/Kg	0.911	0.182	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Aldrin		U ug/Kg	0.405	0.080	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
a-BHC		U ug/Kg	0.360	0.072	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
a-Chlordane	3.14	ug/Kg	0.506	0.100	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
b-BHC		U ug/Kg	0.495	0.098	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
d-BHC		U ug/Kg	0.360	0.071	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Dieldrin	9.46	ug/Kg	0.382	0.076	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Endosulfan I		U ug/Kg	0.394	0.079	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Endosulfan II		U ug/Kg	0.551	0.109	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Endosulfan sulfate		U ug/Kg	0.753	0.150	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Endrin		U ug/Kg	0.439	0.087	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Endrin Aldehyde		U ug/Kg	0.439	0.087	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Endrin Ketone		U ug/Kg	0.843	0.168	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
g-BHC (Lindane)		U ug/Kg	0.405	0.081	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
g-Chlordane	1.89	ug/Kg	0.394	0.078	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Heptachlor		U ug/Kg	0.517	0.103	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Heptachlor epoxide	2.63	ug/Kg	0.337	0.066	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Methoxychlor		U ug/Kg	0.574	0.115	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Total Chlordane	79.6	ug/Kg	0.888	0.178	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Total Toxaphene	216	ug/Kg	14.3	2.87	1	2/3/2017 13:29	CM	2/6/2017 23:03		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.80	mg/Kg	0.53	0.087	2	2/2/2017 16:52	ZS	2/3/2017 16:49		ZS

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164018** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-4** Date Collected: 2/2/2017 10:32

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	94.9	%	0.1		1			2/3/2017 11:01		NE

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	80	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	84	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
4,4'-DDD		U ug/Kg	0.363	0.071	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
4,4'-DDE		U ug/Kg	0.385	0.077	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
4,4'-DDT		U ug/Kg	0.890	0.178	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Aldrin		U ug/Kg	0.396	0.078	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
a-BHC		U ug/Kg	0.352	0.070	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
a-Chlordane	0.416i	ug/Kg	0.494	0.098	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
b-BHC		U ug/Kg	0.483	0.096	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
d-BHC		U ug/Kg	0.352	0.069	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Dieldrin	0.183i	ug/Kg	0.374	0.075	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Endosulfan I		U ug/Kg	0.385	0.077	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Endosulfan II		U ug/Kg	0.538	0.107	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Endosulfan sulfate		U ug/Kg	0.736	0.146	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Endrin		U ug/Kg	0.429	0.085	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Endrin Aldehyde		U ug/Kg	0.429	0.085	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Endrin Ketone		U ug/Kg	0.824	0.164	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
g-BHC (Lindane)		U ug/Kg	0.396	0.079	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
g-Chlordane	0.326i	ug/Kg	0.385	0.076	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Heptachlor		U ug/Kg	0.505	0.101	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Heptachlor epoxide		U ug/Kg	0.330	0.065	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Methoxychlor		U ug/Kg	0.560	0.112	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Total Chlordane	47.1	ug/Kg	0.868	0.174	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM
Total Toxaphene		U ug/Kg	14.0	2.80	1	2/3/2017 13:29	CM	2/6/2017 23:18		BFM

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.1	mg/Kg	0.53	0.086	2	2/2/2017 16:52	ZS	2/3/2017 16:53		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164019** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-6** Date Collected: 2/2/2017 10:33

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	97.1	%	0.1		1			2/3/2017 11:01	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	0.25i	mg/Kg	0.52	0.084	2	2/2/2017 16:53	ZS	2/3/2017 17:46	ZS	

ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164020** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-8** Date Collected: 2/2/2017 10:34

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	96.8	%	0.1		1			2/3/2017 11:01	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.52	0.085	2	2/2/2017 16:53	ZS	2/3/2017 17:50	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164021** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-10** Date Collected: 2/2/2017 10:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.8	%	0.1		1			2/3/2017 11:01	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	0.11i	mg/Kg	0.51	0.084	2	2/2/2017 16:53	ZS	2/3/2017 17:55	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164022** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-10-15** Date Collected: 2/2/2017 10:36

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	85.4	%	0.1		1			2/3/2017 11:01	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic		U mg/Kg	0.59	0.096	2	2/2/2017 16:53	ZS	2/3/2017 17:59	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164023** Date Received: 2/2/2017 13:43 Matrix: Aqueous Liquid
Sample ID: **B-10** Date Collected: 2/2/2017 11:01

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	49 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	56 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/3/2017 11:43	BFM	2/3/2017 21:04	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	18 ug/L		2.0	0.65	4	2/3/2017 09:23	ZS	2/3/2017 13:31	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	13 ug/L		2.0	0.65	4	2/3/2017 09:16	ZS	2/3/2017 13:09	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164024** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-11-0.5** Date Collected: 2/2/2017 11:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.1	%	0.1		1			2/3/2017 11:01		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	63	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	76	%	50-130		1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
4,4'-DDD		U ug/Kg	0.387	0.076	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
4,4'-DDE		U ug/Kg	0.411	0.082	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
4,4'-DDT		U ug/Kg	0.951	0.190	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Aldrin		U ug/Kg	0.423	0.083	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
a-BHC		U ug/Kg	0.376	0.075	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
a-Chlordane		U ug/Kg	0.528	0.105	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
b-BHC		U ug/Kg	0.517	0.102	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
d-BHC		U ug/Kg	0.376	0.074	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Dieldrin		U ug/Kg	0.399	0.080	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Endosulfan I		U ug/Kg	0.411	0.082	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Endosulfan II		U ug/Kg	0.575	0.114	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Endosulfan sulfate		U ug/Kg	0.787	0.156	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Endrin		U ug/Kg	0.458	0.090	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Endrin Aldehyde		U ug/Kg	0.458	0.090	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Endrin Ketone		U ug/Kg	0.881	0.175	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
g-BHC (Lindane)		U ug/Kg	0.423	0.085	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
g-Chlordane		U ug/Kg	0.411	0.081	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Heptachlor		U ug/Kg	0.540	0.108	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Heptachlor epoxide		U ug/Kg	0.352	0.069	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Methoxychlor		U ug/Kg	0.599	0.120	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Total Chlordane		U ug/Kg	0.928	0.186	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Total Toxaphene		U ug/Kg	15.0	2.99	1	2/3/2017 13:29	CM	2/6/2017 23:34		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.9	mg/Kg	0.52	0.084	2	2/2/2017 16:53	ZS	2/3/2017 18:03		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164025** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-11-2** Date Collected: 2/2/2017 11:16

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	92.7	%	0.1		1			2/3/2017 11:01		NE

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	79	%	50-130		1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8081 (GC)					

Decachlorobiphenyl (S)	91	%	50-130		1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
4,4'-DDD		U ug/Kg	0.360	0.071	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
4,4'-DDE		U ug/Kg	0.382	0.076	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
4,4'-DDT		U ug/Kg	0.884	0.177	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Aldrin		U ug/Kg	0.393	0.078	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
a-BHC		U ug/Kg	0.349	0.070	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
a-Chlordane		U ug/Kg	0.491	0.097	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
b-BHC		U ug/Kg	0.480	0.095	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
d-BHC		U ug/Kg	0.349	0.069	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Dieldrin		U ug/Kg	0.371	0.074	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Endosulfan I		U ug/Kg	0.382	0.076	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Endosulfan II		U ug/Kg	0.535	0.106	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Endosulfan sulfate		U ug/Kg	0.732	0.145	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Endrin		U ug/Kg	0.426	0.084	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Endrin Aldehyde		U ug/Kg	0.426	0.084	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Endrin Ketone		U ug/Kg	0.819	0.163	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
g-BHC (Lindane)		U ug/Kg	0.393	0.079	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
g-Chlordane		U ug/Kg	0.382	0.075	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Heptachlor		U ug/Kg	0.502	0.100	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Heptachlor epoxide		U ug/Kg	0.328	0.064	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Methoxychlor		U ug/Kg	0.557	0.111	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Total Chlordane		U ug/Kg	0.863	0.173	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM
Total Toxaphene		U ug/Kg	13.9	2.78	1	2/3/2017 13:29	CM	2/7/2017 00:34		BFM

Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	8.5	mg/Kg	0.54	0.088	2	2/2/2017 16:53	ZS	2/3/2017 18:08		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164026** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-11-4** Date Collected: 2/2/2017 11:17

Parameters	Results Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry									
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.9 %	0.1		1			2/3/2017 11:01		NE
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	62 %	50-130		1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Semivolatiles by GC									
Analysis Desc: EPA 8081 by GC (S)					Preparation Method: EPA 3545				
					Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	80 %	50-130		1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
4,4'-DDD	U ug/Kg	0.344	0.068	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
4,4'-DDE	U ug/Kg	0.365	0.073	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
4,4'-DDT	U ug/Kg	0.844	0.169	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Aldrin	U ug/Kg	0.375	0.074	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
a-BHC	U ug/Kg	0.333	0.067	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
a-Chlordane	U ug/Kg	0.469	0.093	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
b-BHC	U ug/Kg	0.458	0.091	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
d-BHC	U ug/Kg	0.333	0.066	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Dieldrin	U ug/Kg	0.354	0.071	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Endosulfan I	U ug/Kg	0.365	0.073	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Endosulfan II	U ug/Kg	0.510	0.101	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Endosulfan sulfate	U ug/Kg	0.698	0.139	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Endrin	U ug/Kg	0.406	0.080	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Endrin Aldehyde	U ug/Kg	0.406	0.080	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Endrin Ketone	U ug/Kg	0.781	0.155	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
g-BHC (Lindane)	U ug/Kg	0.375	0.075	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
g-Chlordane	U ug/Kg	0.365	0.072	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Heptachlor	U ug/Kg	0.479	0.096	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Heptachlor epoxide	U ug/Kg	0.313	0.061	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Methoxychlor	U ug/Kg	0.531	0.106	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Total Chlordane	U ug/Kg	0.823	0.165	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Total Toxaphene	U ug/Kg	13.3	2.66	1	2/3/2017 13:29	CM	2/7/2017 00:49		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B				
					Analytical Method: EPA 6020				
Arsenic	0.33i mg/Kg	0.52	0.085	2	2/2/2017 16:53	ZS	2/3/2017 18:12		ZS

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164027** Date Received: 2/2/2017 13:43 Matrix: Soil/Solid
Sample ID: **B-11-6** Date Collected: 2/2/2017 11:18

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.4	%	0.1		1			2/3/2017 11:01	NE	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.7	mg/Kg	0.54	0.088	2	2/2/2017 16:53	ZS	2/3/2017 19:14	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164028** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-11-8** Date Collected: 2/2/2017 11:19

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	82.5	%	0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	3.1	mg/Kg	0.61	0.099	2	2/3/2017 10:40	ZS	2/3/2017 18:17	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164029** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-11-10** Date Collected: 2/2/2017 11:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	80.5	%	0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	1.8	mg/Kg	0.62	0.10	2	2/3/2017 10:40	ZS	2/3/2017 18:21	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164030** Date Received: 2/2/2017 13:43 Matrix: Aqueous Liquid
Sample ID: **B-11** Date Collected: 2/2/2017 11:37

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	39 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	34 %		50-130		1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	J2
4,4'-DDD	U ug/L		0.0019	0.00056	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
4,4'-DDE	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
4,4'-DDT	U ug/L		0.0019	0.00095	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Aldrin	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
a-BHC	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
a-Chlordane	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
b-BHC	U ug/L		0.0027	0.0013	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
d-BHC	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Dieldrin	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Endosulfan I	U ug/L		0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Endosulfan II	U ug/L		0.0019	0.00077	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Endosulfan sulfate	U ug/L		0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Endrin	U ug/L		0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Endrin Aldehyde	U ug/L		0.0019	0.00068	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Endrin Ketone	U ug/L		0.0019	0.00080	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
g-BHC (Lindane)	U ug/L		0.0019	0.00052	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
g-Chlordane	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Heptachlor	U ug/L		0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Heptachlor epoxide	U ug/L		0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Methoxychlor	U ug/L		0.0023	0.0012	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Total Chlordane	U ug/L		0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	
Total Toxaphene	U ug/L		0.092	0.046	1	2/3/2017 11:43	BFM	2/3/2017 21:20	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	340 ug/L		2.0	0.65	4	2/3/2017 09:23	ZS	2/3/2017 13:35	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	300 ug/L		2.0	0.65	4	2/3/2017 09:16	ZS	2/3/2017 13:14	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164031** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-0.5** Date Collected: 2/2/2017 11:55

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	97.5	%	0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	60	%	50-130		1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	186	%	50-130		1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	J2
4,4'-DDD		U ug/Kg	0.349	0.069	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
4,4'-DDE		U ug/Kg	0.370	0.074	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
4,4'-DDT		U ug/Kg	0.856	0.171	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Aldrin		U ug/Kg	0.380	0.075	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
a-BHC		U ug/Kg	0.338	0.068	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
a-Chlordane	0.884	ug/Kg	0.475	0.094	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
b-BHC		U ug/Kg	0.465	0.092	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
d-BHC		U ug/Kg	0.338	0.067	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Dieldrin		U ug/Kg	0.359	0.072	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Endosulfan I		U ug/Kg	0.370	0.074	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Endosulfan II		U ug/Kg	0.518	0.102	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Endosulfan sulfate		U ug/Kg	0.708	0.140	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Endrin		U ug/Kg	0.412	0.081	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Endrin Aldehyde		U ug/Kg	0.412	0.081	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Endrin Ketone		U ug/Kg	0.792	0.157	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
g-BHC (Lindane)		U ug/Kg	0.380	0.076	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
g-Chlordane	0.629	ug/Kg	0.370	0.073	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Heptachlor		U ug/Kg	0.486	0.097	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Heptachlor epoxide		U ug/Kg	0.317	0.062	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Methoxychlor		U ug/Kg	0.539	0.108	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Total Chlordane	11.4	ug/Kg	0.834	0.167	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Total Toxaphene		U ug/Kg	13.5	2.69	1	2/3/2017 13:29	CM	2/7/2017 01:05	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	2.6	mg/Kg	0.51	0.084	2	2/3/2017 10:40	ZS	2/3/2017 18:25	ZS	

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164032** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-2** Date Collected: 2/2/2017 11:56

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	83.9	%	0.1		1			2/6/2017 17:06		CM
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	64	%	50-130		1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	53	%	50-130		1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
4,4'-DDD		U ug/Kg	0.484	0.095	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
4,4'-DDE		U ug/Kg	0.513	0.103	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
4,4'-DDT		U ug/Kg	1.19	0.237	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Aldrin		U ug/Kg	0.528	0.104	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
a-BHC		U ug/Kg	0.469	0.094	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
a-Chlordane		U ug/Kg	0.660	0.130	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
b-BHC		U ug/Kg	0.645	0.128	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
d-BHC		U ug/Kg	0.469	0.092	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Dieldrin		U ug/Kg	0.498	0.100	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Endosulfan I		U ug/Kg	0.513	0.103	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Endosulfan II		U ug/Kg	0.718	0.142	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Endosulfan sulfate		U ug/Kg	0.982	0.195	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Endrin		U ug/Kg	0.572	0.113	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Endrin Aldehyde		U ug/Kg	0.572	0.113	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Endrin Ketone		U ug/Kg	1.10	0.218	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
g-BHC (Lindane)		U ug/Kg	0.528	0.106	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
g-Chlordane		U ug/Kg	0.513	0.101	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Heptachlor		U ug/Kg	0.674	0.135	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Heptachlor epoxide		U ug/Kg	0.440	0.086	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Methoxychlor		U ug/Kg	0.748	0.150	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Total Chlordane		U ug/Kg	1.16	0.232	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Total Toxaphene		U ug/Kg	18.7	3.74	1	2/3/2017 13:30	CM	2/7/2017 01:20		BFM
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	2.9	mg/Kg	0.60	0.098	2	2/3/2017 10:40	ZS	2/3/2017 18:47		ZS

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164033** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-4** Date Collected: 2/2/2017 11:57

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	81.5	%	0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Tetrachloro-m-xylene (S)	70	%	50-130		1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Semivolatiles by GC										
Analysis Desc: EPA 8081 by GC (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8081 (GC)				
Decachlorobiphenyl (S)	52	%	50-130		1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
4,4'-DDD		U ug/Kg	0.549	0.108	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
4,4'-DDE		U ug/Kg	0.582	0.116	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
4,4'-DDT		U ug/Kg	1.35	0.269	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Aldrin		U ug/Kg	0.599	0.118	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
a-BHC		U ug/Kg	0.532	0.106	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
a-Chlordane		U ug/Kg	0.748	0.148	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
b-BHC		U ug/Kg	0.732	0.145	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
d-BHC		U ug/Kg	0.532	0.105	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Dieldrin		U ug/Kg	0.565	0.113	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Endosulfan I		U ug/Kg	0.582	0.116	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Endosulfan II		U ug/Kg	0.815	0.161	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Endosulfan sulfate		U ug/Kg	1.11	0.221	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Endrin		U ug/Kg	0.648	0.128	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Endrin Aldehyde		U ug/Kg	0.648	0.128	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Endrin Ketone		U ug/Kg	1.25	0.248	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
g-BHC (Lindane)		U ug/Kg	0.599	0.120	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
g-Chlordane		U ug/Kg	0.582	0.115	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Heptachlor		U ug/Kg	0.765	0.153	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Heptachlor epoxide		U ug/Kg	0.499	0.098	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Methoxychlor		U ug/Kg	0.848	0.170	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Total Chlordane		U ug/Kg	1.31	0.263	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Total Toxaphene		U ug/Kg	21.2	4.24	1	2/3/2017 13:30	CM	2/7/2017 01:35	BFM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)						Preparation Method: EPA 3050B				
						Analytical Method: EPA 6020				
Arsenic	1.9	mg/Kg	0.61	0.10	2	2/3/2017 10:40	ZS	2/3/2017 18:52	ZS	

ANALYTICAL RESULTS

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID: **1750164034** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-6** Date Collected: 2/2/2017 11:58

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	95.0 %		0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic	1.3 mg/Kg		0.53	0.086	2	2/3/2017 10:40	ZS	2/3/2017 18:56	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164035** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-8** Date Collected: 2/2/2017 11:59

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	98.5	%	0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.4	mg/Kg	0.51	0.083	2	2/3/2017 10:40	ZS	2/3/2017 19:00	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164036** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-10** Date Collected: 2/2/2017 12:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
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Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G							
Percent Solids (Dryweight)	94.7 %		0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)			Preparation Method: EPA 3050B							
			Analytical Method: EPA 6020							
Arsenic		U mg/Kg	0.53	0.087	2	2/3/2017 10:40	ZS	2/3/2017 19:05	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164037** Date Received: 2/3/2017 09:54 Matrix: Soil/Solid
Sample ID: **B-12-15** Date Collected: 2/2/2017 12:01

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	89.8	%	0.1		1			2/6/2017 17:06	CM	
Analysis Desc: EPA 6020 Metals SCAN by ICP/MS (S)					Preparation Method: EPA 3050B					
					Analytical Method: EPA 6020					
Arsenic	2.2	mg/Kg	0.56	0.091	2	2/3/2017 10:40	ZS	2/3/2017 19:09	ZS	

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ANALYTICAL RESULTS

Workorder: 1750164
Project ID: Hillsboro GC

Lab ID: **1750164038** Date Received: 2/2/2017 13:43 Matrix: Aqueous Liquid
Sample ID: **B-12** Date Collected: 2/2/2017 12:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Tetrachloro-m-xylene (S)	43	%	50-130		1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	J2

Semivolatiles by GC

Analysis Desc: EPA 8081 by GC (W)					Preparation Method: EPA 3510C					
					Analytical Method: EPA 8081 (GC)					
Decachlorobiphenyl (S)	50	%	50-130		1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
4,4'-DDD	U	ug/L	0.0019	0.00056	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
4,4'-DDE	U	ug/L	0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
4,4'-DDT	U	ug/L	0.0019	0.00095	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Aldrin	U	ug/L	0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
a-BHC	U	ug/L	0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
a-Chlordane	U	ug/L	0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
b-BHC	U	ug/L	0.0027	0.0013	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
d-BHC	U	ug/L	0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Dieldrin	U	ug/L	0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Endosulfan I	U	ug/L	0.0022	0.0011	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Endosulfan II	U	ug/L	0.0019	0.00077	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Endosulfan sulfate	U	ug/L	0.0019	0.00055	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Endrin	U	ug/L	0.0019	0.00064	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Endrin Aldehyde	U	ug/L	0.0019	0.00068	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Endrin Ketone	U	ug/L	0.0019	0.00080	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
g-BHC (Lindane)	U	ug/L	0.0019	0.00052	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
g-Chlordane	U	ug/L	0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Heptachlor	U	ug/L	0.0019	0.00046	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Heptachlor epoxide	U	ug/L	0.0029	0.0014	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Methoxychlor	U	ug/L	0.0023	0.0012	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Total Chlordane	U	ug/L	0.0020	0.0010	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	
Total Toxaphene	U	ug/L	0.092	0.046	1	2/3/2017 11:43	BFM	2/3/2017 21:35	BFM	

Analysis Desc: EPA 200.8 Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Total)					
Arsenic	380	ug/L	2.0	0.65	4	2/3/2017 09:23	ZS	2/3/2017 13:40	ZS	

Analysis Desc: EPA 200.8 Dissolved Metals (W)					Preparation Method: EPA 200.2 mod.					
					Analytical Method: EPA 200.8 (Dissolved)					
Arsenic	350	ug/L	2.0	0.65	4	2/3/2017 09:16	ZS	2/3/2017 13:18	ZS	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1750164

Project ID: Hillsboro GC

PARAMETER QUALIFIERS

- J2 Surrogate recovery was outside defined limits due to matrix interference.
- J2d Surrogate recovery was outside defined limits due to matrix required sample dilution.

PROJECT COMMENTS

- 1750164 A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

QUALITY CONTROL DATA

Workorder: 1750164
Project ID: Hillsboro GC

QC Batch:	MXX/8274	Analysis Method:		EPA 6020		
QC Batch Method:	EPA 3050B					
Associated Lab Samples:	1750161001	1750164001	1750164002	1750164003	1750164004	1750164005
	1750164006	1750164008	1750164009	1750164010	1750164011	1750164012
	1750164013	1750164014	1750164016	1750164017	1750164018	1750178001
	1750178002	1750178003				

METHOD BLANK: 111745

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 111746 111747

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	9.6	9.8	96.3	97.9	80-120	2.06	20	

MATRIX SPIKE SAMPLE: 111749 Original: 1750164018

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	1	20	21	97.4	75-125	

SAMPLE DUPLICATE: 111748 Original: 1750164018

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	1	1.1	0	20	

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QUALITY CONTROL DATA

Workorder: 1750164
Project ID: Hillsboro GC

QC Batch:	MXX/8275	Analysis Method:	EPA 6020			
QC Batch Method:	EPA 3050B					
Associated Lab Samples:	1750164019	1750164020	1750164021	1750164022	1750164024	1750164025
	1750164026	1750164027	1750164028	1750164029	1750164031	1750164032
	1750164033	1750164034	1750164035	1750164036	1750164037	

METHOD BLANK: 111761

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/Kg	U	0.041	

LABORATORY CONTROL SAMPLE & LCSD: 111762 111763

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	10	9.6	10	96.1	104	80-120	4.08	20	

MATRIX SPIKE SAMPLE: 111765 Original: 1750164027

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/Kg	1.6	20	20	93.5	75-125	

SAMPLE DUPLICATE: 111764 Original: 1750164027

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	mg/Kg	1.6	1.8	6.06	20	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

QC Batch: MXX/8276 Analysis Method: EPA 200.8 (Dissolved)
 QC Batch Method: EPA 200.2 mod.
 Associated Lab Samples: 1750164007 1750164015 1750164023 1750164030 1750164038

METHOD BLANK: 111771

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 111772 111773

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	51	50	103	100	85-115	1.98	20	

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QUALITY CONTROL DATA

Workorder: 1750164
Project ID: Hillsboro GC

QC Batch:	MXX/8277	Analysis Method:		EPA 200.8 (Total)		
QC Batch Method:	EPA 200.2 mod.					
Associated Lab Samples:	1750164007	1750164015	1750164023	1750164030	1750164038	1750182001
	1750182002	1750182003	1750182004	1750183001	1750183002	1750183003
	1750183004					

METHOD BLANK: 111774

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	U	0.16	

LABORATORY CONTROL SAMPLE & LCSD: 111775 111776

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Arsenic	ug/L	50	51	50	103	100	85-115	1.98	20	

MATRIX SPIKE SAMPLE: 111778 Original: 1750164038

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	380	50	410	73.9	70-130	

SAMPLE DUPLICATE: 111777 Original: 1750164038

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	380	380	0	20	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

QC Batch:	XXX/9678	Analysis Method:		EPA 8081 (GC)		
QC Batch Method:	EPA 3545					
Associated Lab Samples:	1750134025	1750134026	1750134027	1750134028	1750134037	1750134038
	1750134039	1750134040	1750134049	1750134050	1750164008	1750164009
	1750164010	1750164016	1750164017	1750164018	1750164024	1750164025
	1750164026	1750164031				

METHOD BLANK: 111779

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	74	50-130	
Decachlorobiphenyl (S)	%	100	50-130	
a-BHC	ug/Kg	U	0.064	
g-BHC (Lindane)	ug/Kg	U	0.072	
Heptachlor	ug/Kg	U	0.092	
Aldrin	ug/Kg	U	0.071	
b-BHC	ug/Kg	U	0.087	
d-BHC	ug/Kg	U	0.063	
Heptachlor epoxide	ug/Kg	U	0.059	
Endosulfan I	ug/Kg	U	0.070	
g-Chlordane	ug/Kg	U	0.069	
a-Chlordane	ug/Kg	U	0.089	
4,4'-DDE	ug/Kg	U	0.070	
Dieldrin	ug/Kg	U	0.068	
Endrin	ug/Kg	U	0.077	
Endosulfan II	ug/Kg	U	0.097	
4,4'-DDD	ug/Kg	U	0.065	
4,4'-DDT	ug/Kg	U	0.162	
Endrin Aldehyde	ug/Kg	U	0.077	
Endosulfan sulfate	ug/Kg	U	0.133	
Methoxychlor	ug/Kg	U	0.102	
Endrin Ketone	ug/Kg	U	0.149	
Total Chlordane	ug/Kg	U	0.158	
Total Toxaphene	ug/Kg	U	2.55	

LABORATORY CONTROL SAMPLE & LCSD: 111780 111781

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				66	69	50-130	3	30	
Decachlorobiphenyl (S)	%				75	98	50-130	28	30	
a-BHC	ug/Kg	1.25	0.643	0.687	51	55	50-130	7	30	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

LABORATORY CONTROL SAMPLE & LCSD: 111780 111781

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
g-BHC (Lindane)	ug/Kg	1.25	0.699	0.737	56	59	50-130	5	30	
Heptachlor	ug/Kg	1.25	0.772	0.825	62	66	50-130	7	30	
Aldrin	ug/Kg	1.25	0.678	0.715	54	57	50-130	5	30	
b-BHC	ug/Kg	1.25	0.762	0.823	61	66	50-130	8	30	
d-BHC	ug/Kg	1.25	0.649	0.703	52	56	50-130	8	30	
Heptachlor epoxide	ug/Kg	1.25	0.736	0.785	59	63	50-130	6	30	
Endosulfan I	ug/Kg	1.25	0.721	0.783	58	63	50-130	8	30	
g-Chlordane	ug/Kg	1.25	0.717	0.782	57	63	50-130	9	30	
a-Chlordane	ug/Kg	1.25	0.703	0.777	56	62	50-130	10	30	
4,4'-DDE	ug/Kg	1.25	0.735	0.824	59	66	50-130	11	30	
Dieldrin	ug/Kg	1.25	0.882	0.974	71	78	50-130	10	30	
Endrin	ug/Kg	1.25	1.15	1.28	92	102	50-130	11	30	
Endosulfan II	ug/Kg	1.25	0.768	0.841	61	67	50-130	9	30	
4,4'-DDD	ug/Kg	1.25	0.661	0.784	53	63	50-130	17	30	
4,4'-DDT	ug/Kg	1.25	1.06	1.36	85	109	50-130	25	30	
Endrin Aldehyde	ug/Kg	1.25	0.667	0.802	53	64	50-130	18	30	
Endosulfan sulfate	ug/Kg	1.25	0.766	0.923	61	74	50-130	19	30	
Methoxychlor	ug/Kg	1.25	1.15	1.48	92	119	50-130	25	30	
Endrin Ketone	ug/Kg	1.25	0.671i	0.709i	54	57	50-130	6	30	
Total Chlordane	ug/Kg		U	U				0	30	
Total Toxaphene	ug/Kg		U	U				0	30	

QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

QC Batch: XXX/9679 Analysis Method: EPA 8081 (GC)
QC Batch Method: EPA 3510C
Associated Lab Samples: 1750164007 1750164015 1750164023 1750164030 1750164038

METHOD BLANK: 111784

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	51	50-130	
Decachlorobiphenyl (S)	%	60	50-130	
a-BHC	ug/L	U	0.0011	
g-BHC (Lindane)	ug/L	U	0.00056	
Heptachlor	ug/L	U	0.00049	
Aldrin	ug/L	U	0.00049	
b-BHC	ug/L	U	0.0014	
d-BHC	ug/L	U	0.0012	
Heptachlor epoxide	ug/L	U	0.0015	
Endosulfan I	ug/L	U	0.0012	
g-Chlordane	ug/L	U	0.00049	
a-Chlordane	ug/L	U	0.00068	
4,4'-DDE	ug/L	U	0.0016	
Dieldrin	ug/L	U	0.00059	
Endrin	ug/L	U	0.00069	
Endosulfan II	ug/L	U	0.00083	
4,4'-DDD	ug/L	U	0.00060	
4,4'-DDT	ug/L	U	0.0010	
Endrin Aldehyde	ug/L	U	0.00073	
Endosulfan sulfate	ug/L	U	0.00059	
Methoxychlor	ug/L	U	0.0012	
Endrin Ketone	ug/L	U	0.00086	
Total Chlordane	ug/L	U	0.0011	
Total Toxaphene	ug/L	U	0.049	

LABORATORY CONTROL SAMPLE & LCSD: 111785 111786

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				55	51	50-130	7	30	
Decachlorobiphenyl (S)	%				66	62	50-130	6	30	
a-BHC	ug/L	0.025	0.013	0.013	50	51	50-130	0	30	
g-BHC (Lindane)	ug/L	0.025	0.013	0.014	54	54	50-130	7	30	
Heptachlor	ug/L	0.025	0.014	0.014	55	56	50-130	0	30	
Aldrin	ug/L	0.025	0.013	0.013	53	51	50-130	0	30	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

LABORATORY CONTROL SAMPLE & LCSD:		111785	111786							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
b-BHC	ug/L	0.025	0.013	0.014	52	58	50-130	7	30	
d-BHC	ug/L	0.025	0.015	0.013	58	53	50-130	14	30	
Heptachlor epoxide	ug/L	0.025	0.016	0.014	63	57	50-130	13	30	
Endosulfan I	ug/L	0.025	0.013	0.013	51	50	50-130	0	30	
g-Chlordane	ug/L	0.025	0.014	0.013	55	51	50-130	7	30	
a-Chlordane	ug/L	0.025	0.013	0.013	52	53	50-130	0	30	
4,4'-DDE	ug/L	0.025	0.013	0.014	50	55	50-130	7	30	
Dieldrin	ug/L	0.025	0.013	0.013	51	51	50-130	0	30	
Endrin	ug/L	0.025	0.019	0.018	77	73	50-130	5	30	
Endosulfan II	ug/L	0.025	0.013	0.014	54	56	50-130	7	30	
4,4'-DDD	ug/L	0.025	0.013	0.014	54	56	50-130	7	30	
4,4'-DDT	ug/L	0.025	0.016	0.016	65	66	50-130	0	30	
Endrin Aldehyde	ug/L	0.025	0.013	0.013	53	54	50-130	0	30	
Endosulfan sulfate	ug/L	0.025	0.014	0.013	54	52	50-130	7	30	
Methoxychlor	ug/L	0.025	0.018	0.018	73	73	50-130	0	30	
Endrin Ketone	ug/L	0.025	0.013	0.015	52	62	50-130	14	30	
Total Chlordane	ug/L		U	U				0	30	
Total Toxaphene	ug/L		U	U				0	30	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

QC Batch: XXX/9680 Analysis Method: EPA 8081 (GC)
QC Batch Method: EPA 3545
Associated Lab Samples: 1750164001 1750164002 1750164003 1750164032 1750164033

METHOD BLANK: 111789

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
Tetrachloro-m-xylene (S)	%	63	50-130	
Decachlorobiphenyl (S)	%	81	50-130	
a-BHC	ug/Kg	U	0.064	
g-BHC (Lindane)	ug/Kg	U	0.072	
Heptachlor	ug/Kg	U	0.092	
Aldrin	ug/Kg	U	0.071	
b-BHC	ug/Kg	U	0.087	
d-BHC	ug/Kg	U	0.063	
Heptachlor epoxide	ug/Kg	U	0.059	
Endosulfan I	ug/Kg	U	0.070	
g-Chlordane	ug/Kg	U	0.069	
a-Chlordane	ug/Kg	U	0.089	
4,4'-DDE	ug/Kg	U	0.070	
Dieldrin	ug/Kg	U	0.068	
Endrin	ug/Kg	U	0.077	
Endosulfan II	ug/Kg	U	0.097	
4,4'-DDD	ug/Kg	U	0.065	
4,4'-DDT	ug/Kg	U	0.162	
Endrin Aldehyde	ug/Kg	U	0.077	
Endosulfan sulfate	ug/Kg	U	0.133	
Methoxychlor	ug/Kg	U	0.102	
Endrin Ketone	ug/Kg	U	0.149	
Total Chlordane	ug/Kg	U	0.158	
Total Toxaphene	ug/Kg	U	2.55	

LABORATORY CONTROL SAMPLE & LCSD: 111790 111791

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
Tetrachloro-m-xylene (S)	%				60	63	50-130	4	30	
Decachlorobiphenyl (S)	%				74	80	50-130	7	30	
a-BHC	ug/Kg	1.25	0.726	0.887	58	71	50-130	20	30	
g-BHC (Lindane)	ug/Kg	1.25	0.712	0.673	57	54	50-130	6	30	
Heptachlor	ug/Kg	1.25	0.858	0.886	69	71	50-130	3	30	
Aldrin	ug/Kg	1.25	0.792	0.689	63	55	50-130	14	30	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

LABORATORY CONTROL SAMPLE & LCSD:		111790	111791							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
b-BHC	ug/Kg	1.25	0.952	0.919	76	74	50-130	4	30	
d-BHC	ug/Kg	1.25	0.717	0.638	57	51	50-130	12	30	
Heptachlor epoxide	ug/Kg	1.25	0.702	0.807	56	65	50-130	14	30	
Endosulfan I	ug/Kg	1.25	0.683	0.699	55	56	50-130	2	30	
g-Chlordane	ug/Kg	1.25	0.647	0.715	52	57	50-130	10	30	
a-Chlordane	ug/Kg	1.25	0.698	0.691	56	55	50-130	1	30	
4,4'-DDE	ug/Kg	1.25	0.667	0.713	53	57	50-130	7	30	
Dieldrin	ug/Kg	1.25	0.821	0.863	66	69	50-130	5	30	
Endrin	ug/Kg	1.25	1.06	1.11	85	89	50-130	5	30	
Endosulfan II	ug/Kg	1.25	0.767	0.769	61	61	50-130	0.3	30	
4,4'-DDD	ug/Kg	1.25	0.682	0.685	55	55	50-130	0.4	30	
4,4'-DDT	ug/Kg	1.25	1.32	1.32	105	106	50-130	0	30	
Endrin Aldehyde	ug/Kg	1.25	0.638	0.659	51	53	50-130	3	30	
Endosulfan sulfate	ug/Kg	1.25	0.908	0.818	73	65	50-130	10	30	
Methoxychlor	ug/Kg	1.25	1.35	0.887	108	71	50-130	41	30	J3p
Endrin Ketone	ug/Kg	1.25	0.883	0.853	71	68	50-130	3	30	
Total Chlordane	ug/Kg		U	U				0	30	
Total Toxaphene	ug/Kg		U	U				0	30	

MATRIX SPIKE SAMPLE: 111792

Original: 1750164001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by GC							
Tetrachloro-m-xylene (S)	%				63	50-130	
Decachlorobiphenyl (S)	%				206	50-130	J2
a-BHC	ug/Kg	0	1.26	0.714	57	50-130	
g-BHC (Lindane)	ug/Kg	0	1.26	0.636	51	50-130	
Heptachlor	ug/Kg	0	1.26	0.702	56	50-130	
Aldrin	ug/Kg	0	1.26	0.634	50	50-130	
b-BHC	ug/Kg	0	1.26	0.728	58	50-130	
d-BHC	ug/Kg	0	1.26	0.636	51	50-130	
Heptachlor epoxide	ug/Kg	0	1.26	0.705	56	50-130	
Endosulfan I	ug/Kg	0	1.26	0.812	65	50-130	
g-Chlordane	ug/Kg	0	1.26	0.857	68	50-130	
a-Chlordane	ug/Kg	0	1.26	1.12	89	50-130	
4,4'-DDE	ug/Kg	0	1.26	0.684	54	50-130	
Dieldrin	ug/Kg	0.619	1.26	1.54	73	50-130	
Endrin	ug/Kg	0	1.26	1.11	89	50-130	
Endosulfan II	ug/Kg	0	1.26	0.989	79	50-130	
4,4'-DDD	ug/Kg	0	1.26	0.672	53	50-130	

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QUALITY CONTROL DATA

Workorder: 1750164

Project ID: Hillsboro GC

MATRIX SPIKE SAMPLE: 111792

Original: 1750164001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDT	ug/Kg	0	1.26	1.21	96	50-130	
Endrin Aldehyde	ug/Kg	0	1.26	1.2	96	50-130	
Endosulfan sulfate	ug/Kg	0	1.26	0.75	60	50-130	
Methoxychlor	ug/Kg	0	1.26	1.63	130	50-130	
Endrin Ketone	ug/Kg	0	1.26	0.723	57	50-130	
Total Chlordane	ug/Kg						
Total Toxaphene	ug/Kg						

SAMPLE DUPLICATE: 111793

Original: 1750164001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by GC						
Tetrachloro-m-xylene (S)	%	0.696		68	30	J2
Decachlorobiphenyl (S)	%	2.34		22	30	J2
a-BHC	ug/Kg	0	U	0	30	
g-BHC (Lindane)	ug/Kg	0	U	0	30	
Heptachlor	ug/Kg	0	U	0	30	
Aldrin	ug/Kg	0	U	0	30	
b-BHC	ug/Kg	0	U	0	30	
d-BHC	ug/Kg	0	U	0	30	
Heptachlor epoxide	ug/Kg	0	U	0	30	
Endosulfan I	ug/Kg	0	U	0	30	
g-Chlordane	ug/Kg	0	U	0	30	
a-Chlordane	ug/Kg	0	U	0	30	
4,4'-DDE	ug/Kg	0	U	0	30	
Dieldrin	ug/Kg	0.619	0.712	12	30	
Endrin	ug/Kg	0	U	0	30	
Endosulfan II	ug/Kg	0	U	0	30	
4,4'-DDD	ug/Kg	0	U	0	30	
4,4'-DDT	ug/Kg	0	U	0	30	
Endrin Aldehyde	ug/Kg	0	U	0	30	
Endosulfan sulfate	ug/Kg	0	U	0	30	
Methoxychlor	ug/Kg	0	U	0	30	
Endrin Ketone	ug/Kg	0	U	0	30	
Total Chlordane	ug/Kg	0	U	0	30	
Total Toxaphene	ug/Kg	0	U	0	30	

QUALITY CONTROL DATA QUALIFIERS

Workorder: 1750164

Project ID: Hillsboro GC

QUALITY CONTROL PARAMETER QUALIFIERS

- J2 Surrogate recovery was outside defined limits due to matrix interference.
- J3p The reported value failed to meet the established quality control criteria for precision. Target analyte was not detected in associated samples.

FDOH# E86546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750164001	B-8-0.5	SM 2540G	WGR/3065		
1750164002	B-8-2	SM 2540G	WGR/3065		
1750164003	B-8-4	SM 2540G	WGR/3065		
1750164004	B-8-6	SM 2540G	WGR/3065		
1750164005	B-8-8	SM 2540G	WGR/3065		
1750164006	B-8-10	SM 2540G	WGR/3065		
1750164008	B-9-0.5	SM 2540G	WGR/3065		
1750164009	B-9-2	SM 2540G	WGR/3065		
1750164010	B-9-4	SM 2540G	WGR/3065		
1750164011	B-9-6	SM 2540G	WGR/3065		
1750164012	B-9-8	SM 2540G	WGR/3065		
1750164013	B-9-10	SM 2540G	WGR/3065		
1750164014	B-9-15	SM 2540G	WGR/3066		
1750164016	B-10-0.5	SM 2540G	WGR/3066		
1750164017	B-10-2	SM 2540G	WGR/3066		
1750164018	B-10-4	SM 2540G	WGR/3066		
1750164019	B-10-6	SM 2540G	WGR/3066		
1750164020	B-10-8	SM 2540G	WGR/3066		
1750164021	B-10-10	SM 2540G	WGR/3066		
1750164022	B-10-15	SM 2540G	WGR/3066		
1750164024	B-11-0.5	SM 2540G	WGR/3066		
1750164025	B-11-2	SM 2540G	WGR/3066		
1750164026	B-11-4	SM 2540G	WGR/3066		
1750164027	B-11-6	SM 2540G	WGR/3066		
1750164001	B-8-0.5	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164002	B-8-2	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164003	B-8-4	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164004	B-8-6	EPA 3050B	MXX/8274	EPA 6020	MMS/7508

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750164005	B-8-8	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164006	B-8-10	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164008	B-9-0.5	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164009	B-9-2	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164010	B-9-4	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164011	B-9-6	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164012	B-9-8	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164013	B-9-10	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164014	B-9-15	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164016	B-10-0.5	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164017	B-10-2	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164018	B-10-4	EPA 3050B	MXX/8274	EPA 6020	MMS/7508
1750164019	B-10-6	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164020	B-10-8	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164021	B-10-10	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164022	B-10-15	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164024	B-11-0.5	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164025	B-11-2	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164026	B-11-4	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164027	B-11-6	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164028	B-11-8	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164029	B-11-10	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164031	B-12-0.5	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164032	B-12-2	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164033	B-12-4	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164034	B-12-6	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164035	B-12-8	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164036	B-12-10	EPA 3050B	MXX/8275	EPA 6020	MMS/7509
1750164037	B-12-15	EPA 3050B	MXX/8275	EPA 6020	MMS/7509

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750164007	B-8	EPA 200.2 mod.	MXX/8276	EPA 200.8 (Dissolved)	MMS/7510
1750164015	B-9	EPA 200.2 mod.	MXX/8276	EPA 200.8 (Dissolved)	MMS/7510
1750164023	B-10	EPA 200.2 mod.	MXX/8276	EPA 200.8 (Dissolved)	MMS/7510
1750164030	B-11	EPA 200.2 mod.	MXX/8276	EPA 200.8 (Dissolved)	MMS/7510
1750164038	B-12	EPA 200.2 mod.	MXX/8276	EPA 200.8 (Dissolved)	MMS/7510
1750164007	B-8	EPA 200.2 mod.	MXX/8277	EPA 200.8 (Total)	MMS/7510
1750164015	B-9	EPA 200.2 mod.	MXX/8277	EPA 200.8 (Total)	MMS/7510
1750164023	B-10	EPA 200.2 mod.	MXX/8277	EPA 200.8 (Total)	MMS/7510
1750164030	B-11	EPA 200.2 mod.	MXX/8277	EPA 200.8 (Total)	MMS/7510
1750164038	B-12	EPA 200.2 mod.	MXX/8277	EPA 200.8 (Total)	MMS/7510
1750164008	B-9-0.5	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164009	B-9-2	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164010	B-9-4	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164016	B-10-0.5	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164017	B-10-2	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164018	B-10-4	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164024	B-11-0.5	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164025	B-11-2	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164026	B-11-4	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164031	B-12-0.5	EPA 3545	XXX/9678	EPA 8081 (GC)	XGC/3123
1750164007	B-8	EPA 3510C	XXX/9679	EPA 8081 (GC)	XGC/3124
1750164015	B-9	EPA 3510C	XXX/9679	EPA 8081 (GC)	XGC/3124
1750164023	B-10	EPA 3510C	XXX/9679	EPA 8081 (GC)	XGC/3124
1750164030	B-11	EPA 3510C	XXX/9679	EPA 8081 (GC)	XGC/3124
1750164038	B-12	EPA 3510C	XXX/9679	EPA 8081 (GC)	XGC/3124
1750164001	B-8-0.5	EPA 3545	XXX/9680	EPA 8081 (GC)	XGC/3125

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1750164

Project ID: Hillsboro GC

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1750164002	B-8-2	EPA 3545	XXX/9680	EPA 8081 (GC)	XGC/3125
1750164003	B-8-4	EPA 3545	XXX/9680	EPA 8081 (GC)	XGC/3125
1750164032	B-12-2	EPA 3545	XXX/9680	EPA 8081 (GC)	XGC/3125
1750164033	B-12-4	EPA 3545	XXX/9680	EPA 8081 (GC)	XGC/3125
1750164028	B-11-8	SM 2540G	WGR/3067		
1750164029	B-11-10	SM 2540G	WGR/3067		
1750164031	B-12-0.5	SM 2540G	WGR/3067		
1750164032	B-12-2	SM 2540G	WGR/3067		
1750164033	B-12-4	SM 2540G	WGR/3067		
1750164034	B-12-6	SM 2540G	WGR/3067		
1750164035	B-12-8	SM 2540G	WGR/3067		
1750164036	B-12-10	SM 2540G	WGR/3067		
1750164037	B-12-15	SM 2540G	WGR/3067		

Company Name Edward G Rahrig P&LLC

Address 632 SW Asfor Rd

City PSL State FL Zip 34953

Sampling Site Address 2400 Century Blvd

Attn: Ed Rahrig Email _____

Project Name Hillsboro G/L Project # 62102.00

Sampler Name/Signature Ed Rahrig

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters		Pres Codes	LAB ANALYSIS				Field Filtered (Y/N)	Requested Turnaround Time	Comments	
						As	8081 Pesticides		As (Filtered)							
01	B-8-0.5	2/2/17	0905	SO	1	✓	✓									
02	B-8-2		0906	SO	1	✓	✓									
03	B-8-4		0907	SO	1	✓	✓									
04	B-8-6		0908	SO	1	✓	H									A = HOLD
05	B-8-8		0909	SO	1	✓	H									
06	B-8-10		0910	SO	1	✓	H									
07	B-8		0933	GW	3	✓	✓									
08	B-9-0.5		0945	SO	1	✓	✓									
09	B-9-2		0946	SO	1	✓	✓									
10	B-9-4		0947	SO	1	✓	✓									

QA/QC level with report None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval DOT
 SFWMD ADAPT Temp Control: 3.5 °C

Company Name Edward Galbring P6 LLC

Address 632 SW Aster Rd

City PSL State FL Zip 34953

Sampling Site Address 2400 Century Blvd

Attn: Ed Galbring Email _____

Project Name Hilshore Blvd Project # 62102.02

Sampler Name/Signature Ed Galbring

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters		Field Filtered (Y/N)	Comments	Requested Turnaround Time
						Pres Codes				
11	B-9-6	2.2.17	0948	50	1	AS	8088 Pesticides		Fee	Due 02/07/17
12	B-9-8		0949	50	1	✓H	AS (Filtered)			
13	B-9-10		0950	50	1	✓H			H = HOLD	
14	B-9-15		0951	50	1	✓H				
15	B-9		1015	60	3	✓✓				
16	B-10-0.5		1030	50	1	✓✓			Green	
17	B-10-2		1031	50	1	✓✓				
18	B-10-4		1032	50	1	✓✓				
19	B-10-6		1033	50	1	✓H				
20	B-10-8		1034	50	1	✓H				

Matrix Codes*
 S Soil/Solid Sediment
 GW Ground Water
 WW Waste Water
 DW Drinking Water
 SW Surface Water
 SL Sludge
 O Other (Please Specify)

Pres Codes
 A- none
 B- HNO₃
 C- H₂SO₄
 D- NaOH
 E- HCl
 F- Ice
 G- Other

Retinquished by Ed Galbring

Date 2/2/17 Time 1335

Received by Chris Danley

Date 2/2/17 Time 1343

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFWMD ADAPT DOT

Temp Control: 3.5 °C

Company Name		Edward G Rahrig P6 LLC		LAB ANALYSIS		Requested Turnaround Time	
Address		632 SW Asker Rd		Parameters		Note: Rush requests subject to acceptance by the laboratory	
City		PSC State FL Zip 34953		As		Standard	
Sampling Site Address		2400 Century Blvd		8081 Postkiddy		Expedited	
Attn:		Ed Rahrig		As (Filtered)		Due 02/07/17	
Project Name		Hillsboro Gd		Field Filtered (Y/N)		Comments	
Project #		62102.00				H = Hold	
Sample Name/Signature		Ed Rahrig				Fairway	
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont		
21	B-10-10	2.2.17	1035	SD	1		
22	B-10-15		1036	SO	1		
23	B-10		1101	GW	3		
24	B-11-05		1115	SO	1		
25	B-11-2		1116	SO	1		
26	B-11-4		1117	SO	1		
27	B-11-6		1118	SO	1		
28	B-11-8		1119	SO	1		Received 02/03/2017
29	B-11-10		1120	SO	1		Received 02/03/2017
30	B-11		1137	GW	3		

Matrix Codes*
S Soil/Solid Sediment
GW Ground Water
WW Waste Water
DW Drinking Water

Pres Codes
A- none
B- HNO₃
C- H₂SO₄
D- NaOH
E- HCl

SW Surface Water
SL Sludge
O Other (Please Specify)L Ice
Other

Relinquished by
Ed Rahrig

Date
2.2.17

Time
1335

Received by
Chris Danvers

Date
2/2/17

Time
1343

QA/QC level with report
None 1 2 3 See price guide for applicable fees

Temp Control:
3.5 °C

FDEP Dry/Cleaning FDEP UST Pre-Approval
SFWM ADAPT DOT

Company Name **Edward G. Rahrig PLLC**

Address **632 SW Aster Rd**

City **PSL** State **FL** zip **34953**

Sampling Site Address **2400 Century Blvd**

Attn: **Ed Rahrig** Email _____

Project Name **Hilshire GC** Project # **62102.00**

Sampler Name/Signature **Ed Rahrig**

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix C-Code*	# of Cont	Parameters		Pres Codes	LAB ANALYSIS	Field Filtered (Y/N)	Requested Turnaround Time	Comments
						As	8081 Pesticides					
31	B-12-0.5	2.2.17	1155	SO	1	✓	✓					Joe Received 02/03/2017
32	B-12-2		1156	SO	1	✓	✓					Received 02/03/2017
33	B-12-4		1157	SO	1	✓	✓					H = HOLD Received 02/03/17
34	B-12-6		1158	SO	1	✓	✓					Received 02/03/2017
35	B-12-8		1159	SO	1	✓	✓					Received 02/03/2017
36	B-12-10		1200	SO	1	✓	✓					Received 02/03/2017
37	B-12-15		1201	SO	1	✓	✓					Received 02/07/2017
38	B-12		1230	GW	3	✓	✓					→ Needs Nitric Acid
9												
0												

Matrix Codes*

Pres Codes

Relinquished by

Date

Time

Received by

Date

Time

S Soil/Solid Sediment
 GW Ground Water
 WW Waste Water
 DW Drinking Water

SW Surface Water
 SL Sludge
 O Other (Please Specify)

A- none
 B- HNO₃
 C- H₂SO₄
 D- NaOH
 E- HCl
 F- H₂O₂
 G- MeOH
 H- Na₂S₂O₈
 I- Ice
 J- Other

Retrieved by **Chris Danney**

Date **2/2/17** Time **1335**

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning FDEP UST Pre-Approval
 SFWMD ADAPT DOT

Temp Control: **3.5** °C

Note: Rush requests subject to acceptance by the laboratory
 Standard
 Expedited

Due 02/07/17

Sample Receiving

From: Edward Rahrig
Sent: Thursday, February 02, 2017 4:11 PM
To: 'Sample Receiving'
Subject: RE: Project: "Hillsboro GC"

Received Samples from courier
2/3/2017 @ 09:54
-CLD

Abe - Courier,

I have the missing samples. My technician forgot to put them in the cooler. Do you have a courier in the Port St. Lucie area? How do I get them to you?

Ed

Edward G. Rahrig, P.G.
Edward G. Rahrig, P.G. LLC
632 SW Aster Road
Port St. Lucie, Florida 34953
561-246-9732

From: Sample Receiving [mailto:samplereceiving@jupiterlabs.com]
Sent: Thursday, February 2, 2017 4:03 PM
To: edrahrig@comcast.net
Subject: Project: "Hillsboro GC"

Good Afternoon Ed,

For project "Hillsboro GC" which we received today (See attached document for a copy of the COC), we are missing soil samples for the following COC sample ID's:

#28
#29
#31
#32
#33
#34
#35
#36
#37

I asked Abe (the courier) and he mentioned he only received one cooler. That cooler did not have these samples, how would you like us to proceed?

Best Regards,

Sample Custodian | Sample Receiving | www.jupiterlabs.com | 561-575-0030 (ext. 112)

NELAP . DoD ELAP . ISO 17025 . WMBE

Client Information

SDG#: 1750164

Level:

Client: Edward Rahri

Date Rec'd: 2/2/2017 1:43:00 PM

REQNBR: 1464

Due Date:

Project: EDWARD RAHRIG

Profile Name: EDWARD RAHRI

Select LabID

1750164037

Add

Sample Discrepancy

LabID: 1750164028

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164029

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164031

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164032

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164033

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164034

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164035

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164036

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

LabID: 1750164037

Discrepancy: Sample not received, contacted client. For details, see attachment.

Resolution: Courier met client in Port St. Lucie 02/02/2017 at 17:10. Sample received at lab 02/03/2017 at 09:54.

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG: 1750164	Req: 1464
Client: Edward Rahri	Project: EDWARD RAHRI
Level: 1	Date Rec'd: 2/2/2017 1:43:00 PM
Rec'd via: courier	

Cooler Check

Security Tape

ID	Temp	# of samples	Present	Intact	Method of Receipt	Comments
	3.5	37	<input type="checkbox"/>	<input type="checkbox"/>		

Checked By: CLD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	No
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	Yes	Written on Internal COC?	No
pH Strip Lot #	HC693124	Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #	HNO3: 13179	Samples Rec'd W/I Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign)	Domestic	COC Comments written on COC?	Yes
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	RUSH
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments
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Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015475

July 05, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-13-0.5	Lab ID: 0015475-01	Sampled: 05/08/17 09:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.112	I	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17		SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.00300	JEE, I	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-13-2	Lab ID: 0015475-02	Sampled: 05/08/17 09:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.00040	JEE, U	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-13-4	Lab ID: 0015475-03	Sampled: 05/08/17 09:11
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.00040	JEE, U	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-13-6 **Lab ID:** 0015475-04 **Sampled:** 05/08/17 09:12
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-13-8	Lab ID: 0015475-05	Sampled: 05/08/17 09:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.629		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-14-0.5 **Lab ID:** 0015475-06 **Sampled:** 05/08/17 09:21
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.538		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.01	JEE	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-14-2 **Lab ID:** 0015475-07 **Sampled:** 05/08/17 09:22
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Metals SPLP EPA 1312

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.00040	JEE, U	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-14-4	Lab ID: 0015475-08	Sampled: 05/08/17 09:23
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.795		mg/kg dry	EPA 6020B	1	0.003	0.217	05/10/17	05/10/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.00040	JEE, U	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-14-6	Lab ID: 0015475-09	Sampled: 05/08/17 09:24
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-14-8	Lab ID: 0015475-10	Sampled: 05/08/17 09:25
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.506		mg/kg dry	EPA 6020B	1	0.003	0.222	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-15-0.5	Lab ID: 0015475-11	Sampled: 05/08/17 09:31
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.30		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17		SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.00800	JEE, I	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-15-2	Lab ID: 0015475-12	Sampled: 05/08/17 09:32
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.47		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17		SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.05	JEE	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-15-4	Lab ID: 0015475-13	Sampled: 05/08/17 09:37
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.719		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.02	JEE	mg/L	EPA 1312/6010	1	0.00040	0.00900	06/24/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-15-6	Lab ID: 0015475-14	Sampled: 05/08/17 09:34
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-15-8	Lab ID: 0015475-15	Sampled: 05/08/17 09:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.30		mg/kg dry	EPA 6020B	1	0.003	0.225	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475

COC#: 24576, 24577, 24578,24579,24582,24581,2

REPORTED: 7/5/2017 2:07:03PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-16-0.5

Lab ID: 0015475-16

Sampled: 05/08/17 09:39

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	14.0		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-16-2	Lab ID: 0015475-17	Sampled: 05/08/17 09:40
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.889		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-16-4	Lab ID: 0015475-18	Sampled: 05/08/17 09:41
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.325		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-16-6	Lab ID: 0015475-19	Sampled: 05/08/17 09:42
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.395		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-16-8	Lab ID: 0015475-20	Sampled: 05/08/17 09:43
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.80		mg/kg dry	EPA 6020B	1	0.003	0.217	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-17-0.5 **Lab ID:** 0015475-21 **Sampled:** 05/08/17 09:50
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.10		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-17-2	Lab ID: 0015475-22	Sampled: 05/08/17 09:51
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.39		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-17-4	Lab ID: 0015475-23	Sampled: 05/08/17 09:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.31		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-17-6	Lab ID: 0015475-24	Sampled: 05/08/17 09:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.229		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-17-8	Lab ID: 0015475-25	Sampled: 05/08/17 09:54
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.76		mg/kg dry	EPA 6020B	1	0.003	0.227	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-18-0.5	Lab ID: 0015475-26	Sampled: 05/08/17 10:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.555		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475

COC#: 24576, 24577, 24578,24579,24582,24581,2

REPORTED: 7/5/2017 2:07:03PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-18-2

Lab ID: 0015475-27

Sampled: 05/08/17 10:06

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.593		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Port St Lucie, FL 34953
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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-18-4	Lab ID: 0015475-28	Sampled: 05/08/17 10:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.458		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475

COC#: 24576, 24577, 24578,24579,24582,24581,2

REPORTED: 7/5/2017 2:07:03PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-18-6

Lab ID: 0015475-29

Sampled: 05/08/17 10:08

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-18-8	Lab ID: 0015475-30	Sampled: 05/08/17 10:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.23		mg/kg dry	EPA 6020B	1	0.003	0.227	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-18-10	Lab ID: 0015475-31	Sampled: 05/08/17 10:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.944		mg/kg dry	EPA 6020B	1	0.003	0.227	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-19-0.5 **Lab ID:** 0015475-32 **Sampled:** 05/08/17 10:16
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.10		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015475
COC#: 24576, 24577, 24578, 24579, 24582, 24581, 2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-19-2	Lab ID: 0015475-33	Sampled: 05/08/17 10:17
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.73		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-19-4	Lab ID: 0015475-34	Sampled: 05/08/17 10:18
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.28		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-19-6	Lab ID: 0015475-35	Sampled: 05/08/17 10:19
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	11.0		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-19-8 **Lab ID:** 0015475-36 **Sampled:** 05/08/17 10:20
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-19-10 **Lab ID:** 0015475-37 **Sampled:** 05/08/17 10:21
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.222	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-20-0.5	Lab ID: 0015475-38	Sampled: 05/08/17 10:30
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.75		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-20-2	Lab ID: 0015475-39	Sampled: 05/08/17 10:31
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.07		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-20-4	Lab ID: 0015475-40	Sampled: 05/08/17 10:32
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.65		mg/kg dry	EPA 6020B	1	0.003	0.241	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-20-6	Lab ID: 0015475-41	Sampled: 05/08/17 10:33
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-20-8 **Lab ID:** 0015475-42 **Sampled:** 05/08/17 10:34
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-21-0.5	Lab ID: 0015475-43	Sampled: 05/08/17 10:42
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.27		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-21-2	Lab ID: 0015475-44	Sampled: 05/08/17 10:43
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	12.7		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-21-4	Lab ID: 0015475-45	Sampled: 05/08/17 10:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Edward G. Rahrig, PG LLC
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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-21-6 **Lab ID:** 0015475-46 **Sampled:** 05/08/17 10:45
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-21-8 **Lab ID:** 0015475-47 **Sampled:** 05/08/17 10:46
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-21-10	Lab ID: 0015475-48	Sampled: 05/08/17 10:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.574		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-22-0.5 **Lab ID:** 0015475-49 **Sampled:** 05/08/17 10:56
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.967		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/10/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-22-2	Lab ID: 0015475-50	Sampled: 05/08/17 10:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.833		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-22-4 **Lab ID:** 0015475-51 **Sampled:** 05/08/17 10:58
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-22-6	Lab ID: 0015475-52	Sampled: 05/08/17 10:59
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.115	I	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-22-8	Lab ID: 0015475-53	Sampled: 05/08/17 11:00
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.348		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-23-0.5	Lab ID: 0015475-54	Sampled: 05/08/17 11:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	5.33		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-23-2	Lab ID: 0015475-55	Sampled: 05/08/17 11:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.29		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-23-4	Lab ID: 0015475-56	Sampled: 05/08/17 11:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.754		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-23-6	Lab ID: 0015475-57	Sampled: 05/08/17 11:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Edward G. Rahrig, PG LLC
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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-23-8	Lab ID: 0015475-58	Sampled: 05/08/17 11:11
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-24-0.5	Lab ID: 0015475-59	Sampled: 05/08/17 11:21
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.772		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-24-2	Lab ID: 0015475-60	Sampled: 05/08/17 11:22
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Edward G. Rahrig, PG LLC
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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-24-4	Lab ID: 0015475-61	Sampled: 05/08/17 11:23
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-24-6	Lab ID: 0015475-62	Sampled: 05/08/17 11:24
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.269		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-24-8	Lab ID: 0015475-63	Sampled: 05/08/17 11:25
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-25-0.5	Lab ID: 0015475-64	Sampled: 05/08/17 11:36
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.24		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-25-2	Lab ID: 0015475-65	Sampled: 05/08/17 11:37
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.439		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-25-4 **Lab ID:** 0015475-66 **Sampled:** 05/08/17 11:38
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.158	I	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-25-6	Lab ID: 0015475-67	Sampled: 05/08/17 11:39
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-25-8	Lab ID: 0015475-68	Sampled: 05/08/17 11:40
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.754		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-0.5 **Lab ID:** 0015475-69 **Sampled:** 05/08/17 12:44
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.541		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015475
COC#: 24576, 24577, 24578,24579,24582,24581,2
REPORTED: 7/5/2017 2:07:03PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-2	Lab ID: 0015475-70	Sampled: 05/08/17 12:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.30		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/10/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
- JEE Analysis performed by Florida Environmental Cert#E86006
1460 W McNabb Road Ft. Lauderdale FL 33309



CHAIN OF CUSTODY RECORD

Log #: 15475

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig Pk LLC</u>		LAB ANALYSIS										Matrix Codes									
Address: <u>632 SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil						
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE <u>I</u>										GW	Ground Water	SL	Sludge						
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters <u>As</u>										EFF	Effluent	SO	Soil Sediment						
email: _____ Fax#: _____												AFW	Analyte Free H2O	AQ	Aqueous						
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>												WW	Waste Water	NA	Nonaqueous						
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>												DW	Drinking Water								
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes			
																		A. None	E. HCL	O. Other	
																		B. HNO3	F. MeOH		
																		C. H2SO4	G. Na2S2O3		
																		D. NaOH	I. Ice		
<u>1</u>	<u>B-13-0.5</u>	<u>5/8/17</u>	<u>909</u>	<u>SO</u>			<u>1</u>											<u>Archive samples 6 months</u>			
<u>2</u>	<u>B-13-2</u>		<u>910</u>																		
<u>3</u>	<u>B-13-4</u>		<u>911</u>																		
<u>4</u>	<u>B-13-6</u>		<u>912</u>																		
<u>5</u>	<u>B-13-8</u>		<u>913</u>																		
<u>6</u>	<u>B-14-0.5</u>		<u>921</u>																		
<u>7</u>	<u>B-14-2</u>		<u>922</u>																		
<u>8</u>	<u>B-14-4</u>		<u>923</u>																		
<u>9</u>	<u>B-14-6</u>		<u>924</u>																		
<u>10</u>	<u>B-14-8</u>		<u>925</u>																		
T.A.T. Request		QA/QC Report Level										COC OK		Initials							
Standard	RUSH											Y <u>(N)</u>		<u>DM</u>		<u>IR Gun S02273</u>					
Y/N	24 Hour 48 Hour Date Due:	None <u>1</u> <u>2</u> <u>3</u> Other																			
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only												
	<u>[Signature]</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Alinda</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>													
									Sample INTACT upon arrival?	Yes	No	N/A									
									Received on Wet Ice? Temp. °C	<u>29</u>											
									Proper Preservatives Indicated?	<u>✓</u>											
									Received within holding time?	<u>✓</u>											
									Custody seals intact?	<u>✓</u>											
									Volatile rec'd without headspace?	<u>✓</u>											
									Proper Containers Used?	<u>✓</u>											



CHAIN OF CUSTODY RECORD

Log #: 15475
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Seward & Rahrig PCLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				DW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>										AS										SW Surface Water O Other (Please Specify)			
																				Press Codes			
																				A. None E. HCL O. Other			
																				B. HNO3 F. MeOH			
																				C. H2SO4 G. Na2S2O3			
																				D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																
11	B-15-0.5	5/8/17	931	SO			1	✓															
12	B-15-2		932					✓															
13	B-15-4		933					✓															
14	B-15-6		934					✓															
15	B-15-8		935					✓															
16	B-16-0.5		939					✓															
17	B-16-2		940					✓															
18	B-16-4		941					✓															
19	B-16-6		942					✓															
20	B-16-8		0943					✓															
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard <u>RUSH</u>										None 1 2 3 Other										(Y) N		DM	
Y/N 24 Hour 48 Hour Date Due:																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Ed Rahrig</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	Sample INTACT upon arrival? Yes/No/N/A Received on Wet Ice? <u>2.9</u> °C Yes/No/N/A Proper Preservatives Indicated? Yes/No/N/A Received within holding time? Yes/No/N/A Custody seals intact? Yes/No/N/A Volatile rec'd without headspace? Yes/No/N/A Proper Containers Used? Yes/No/N/A														



CHAIN OF CUSTODY RECORD

Log #: 15475

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward B Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes				
Address: <u>632 SW Aster Rd</u>										pH										SD	Solid Waste	OL	Oil	
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW	Ground Water	SL	Sludge	
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF	Effluent	SO	Soil Sediment	
email: _____ Fax#: _____																				AFW	Analyte Free H2O	AQ	Aqueous	
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW	Waste Water	NA	Nonaqueous	
Sampler Signature Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW	Drinking Water	Other _____ (Please Specify)		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes						
<u>21</u>	<u>B-17-0.5</u>	<u>5/8/17</u>	<u>0950</u>	<u>SO</u>			<u>1</u>											A. None	E. HCL	O. Other				
<u>22</u>	<u>B-17-2</u>		<u>0951</u>															B. HNO3	F. MeOH					
<u>23</u>	<u>B-17-4</u>		<u>0952</u>															C. H2SO4	G. Na2S2O3					
<u>24</u>	<u>B-17-6</u>		<u>0953</u>															D. NaOH	I. Ice					
<u>25</u>	<u>B-17-8</u>		<u>0954</u>																					
<u>26</u>	<u>B-18-0.5</u>		<u>1005</u>																					
<u>27</u>	<u>B-18-2</u>		<u>1006</u>																					
<u>28</u>	<u>B-18-4</u>		<u>1007</u>																					
<u>29</u>	<u>B-18-6</u>		<u>1008</u>																					
<u>30</u>	<u>B-18-8</u>		<u>1009</u>																					
T.A.T. Request										QA/QC Report Level										COC OK		Initials		
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> <u>N</u>		<u>DM</u>		<u>IR Gun 502273</u>
Y/N <u>24 Hour</u> <u>48 Hour</u> Date Due: _____																								
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only															
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Adm Don</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	Sample INTACT upon arrival?	Yes	No	N/A												
									Received on Wet Ice? Temp <u>2-9C</u>	<u>/</u>	<u>—</u>	<u>—</u>												
									Proper Preservatives Indicated?	<u>/</u>	<u>—</u>	<u>—</u>												
									Received within holding time?	<u>/</u>	<u>—</u>	<u>—</u>												
									Custody seals intact?	<u>/</u>	<u>—</u>	<u>—</u>												
									Volatile rec'd without headspace?	<u>/</u>	<u>—</u>	<u>—</u>												
									Proper Containers Used?	<u>/</u>	<u>—</u>	<u>—</u>												



CHAIN OF CUSTODY RECORD

Log #: 15475

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G. Ruhrig PLLC</u>										LAB ANALYSIS										Matrix Codes																										
Address: <u>632 SW Aster Rd</u>										pH										SD	Solid Waste	OL	Oil																							
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW	Ground Water	SL	Sludge																							
Attn: <u>Ed Ruhrig</u> Phone#: _____										Parameters <u>⊗</u>										EFF	Effluent	SO	Soil Sediment																							
email: _____ Fax#: _____																				AFW	Analyte Free H2O	AQ	Aqueous																							
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										Press Codes										WW	Waste Water	NA	Nonaqueous																							
Sampler Signature / Name: <u>Ed Ruhrig / Ed Ruhrig</u>																				SW	Surface Water	O	Other (Please Specify)																							
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total of containers											A. None	E. HCL	O. Other																										
31	B-18-10	5/8/17	1010	SO			1											B. HNO3	F. MeOH																											
32	B-19-0.5		1016															C. H2SO4	G. Na2S2O3																											
33	B-19-2		1017															D. NaOH	I. Ice																											
34	B-19-4		1018																																											
35	B-19-6		1019																																											
36	B-19-8		1020																																											
37	B-19-10		1021																																											
38	B-20-0.5		1030																																											
39	B-20-2		1031																																											
40	B-20-4		1032																																											
T.A.T. Request										QA/QC Report Level										COC OK		Initials																								
Standard <u>RUSH</u>										None 1 2 3 Other										(Y) N		DM																								
Y/N 24 Hour 48 Hour Date Due:																						ER GUN SJ2273																								
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																					
	<u>Ed Ruhrig</u>	<u>Ed Ruhrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Adam Dan</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	<table border="1"> <tr> <td>Sample INTACT upon arrival?</td> <td>Yes <input checked="" type="checkbox"/></td> <td>No <input type="checkbox"/></td> <td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Received on Wet Ice? Temp. °C</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Proper Preservatives Indicated?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Received within holding time?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Custody seals intact?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Proper Containers Used?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>										Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Received on Wet Ice? Temp. °C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>																																											
Received on Wet Ice? Temp. °C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											
Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											
Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											
Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											
Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											
Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15475
PO #: _____
Quote #: _____
FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes																											
Address: <u>632 SW Aster Rd</u>					City: <u>PSC</u> State: <u>FL</u> Zip: <u>34953</u>					Attn: <u>Ed Rahrig</u> Phone#: _____ Fax#: _____					Project Name: <u>Hills Looping</u> Proj#: <u>62/02/02</u>					Press Codes																											
Sampler Signature / Name: <u>[Signature]</u>					pH					PRES CODE <u>5</u>					SD Solid Waste OL Oil					A. None E. HCL O. Other																											
Matrix					Field Filtered					Integrity OK					Total # of containers					B. HNO3 F. MeOH																											
Collect Date					Collect Time															C. H2SO4 G. Na2S2O3																											
41 B-20-6					5/8/17 1033					SO					1					D. NaOH I. Ice																											
42 B-20-8					1034																																										
43 B-21-0.5					1042																																										
44 B-21-2					1043																																										
45 B-21-4					1044																																										
46 B-21-6					1045																																										
47 B-21-8					1046																																										
48 B-21-10					1047																																										
49 B-22-0.5					1056																																										
50 B-22-2					1057																																										
T.A.T. Request					QA/QC Report Level					COC OK					Initials																																
Standard					RUSH					None					1 2 3 Other					Y/N					2R Gun 502273																						
Item					Relinquished by					Affiliation					Date					Time					Received By					Affiliation					Date					Time					Lab Use Only		
					<u>[Signature]</u>					<u>Ed Rahrig</u>					<u>5/8/17</u>					<u>1700</u>					<u>John Dan</u>					<u>PBEL</u>					<u>05/09/17</u>					<u>1700</u>					Sample INTACT upon arrival? <u>/</u> Yes No N/A		
																																								Received on Wet Ice? Temp. °C <u>24</u> <u>/</u> Yes No N/A							
																																								Proper Preservatives Indicated? <u>/</u> Yes No N/A							
																																								Received within holding time? <u>/</u> Yes No N/A							
																																								Custody seals intact? <u>/</u> Yes No N/A							
																																								Volatile rec'd without headspace? <u>/</u> Yes No N/A							
																																								Proper Containers Used? <u>/</u> Yes No N/A							



CHAIN OF CUSTODY RECORD

Log #: 15475

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward Rahrig Plc LLC</u>										LAB ANALYSIS										Matrix Codes																														
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																														
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>5</u>										GW Ground Water SL Sludge																														
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																														
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																														
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous																														
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>										<table border="1"> <thead> <tr> <th colspan="3">Press Codes</th> </tr> </thead> <tbody> <tr> <td>A. None</td> <td>E. HCL</td> <td>O. Other</td> </tr> <tr> <td>B. HNO3</td> <td>F. MeOH</td> <td></td> </tr> <tr> <td>C. H2SO4</td> <td>G. Na2S2O3</td> <td></td> </tr> <tr> <td>D. NaOH</td> <td>I. Ice</td> <td></td> </tr> </tbody> </table>										Press Codes			A. None	E. HCL	O. Other	B. HNO3	F. MeOH		C. H2SO4	G. Na2S2O3		D. NaOH	I. Ice																	
Press Codes																																																		
A. None	E. HCL	O. Other																																																
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C. H2SO4	G. Na2S2O3																																																	
D. NaOH	I. Ice																																																	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																																											
51	B-22-4	5/8/17	1058	50			1	✓																																										
52	B-22-6		1059					✓																																										
53	B-22-8		1100					✓																																										
54	B-23-0.5		1107					✓																																										
55	B-23-2		1108					✓																																										
56	B-23-4		1109					✓																																										
57	B-23-6		1110					✓																																										
58	B-23-8		1111					✓																																										
59	B-24-0.5		1121					✓																																										
60	B-24-2		1122					✓																																										
T.A.T. Request										QA/QC Report Level										COC OK		Initials																												
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> N		<u>EM</u>																												
Y/N <u>48 Hour</u> Date Due: _____																						<u>IR Gun 502273</u>																												
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																									
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>John Don</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	<table border="1"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th>N/A</th> </tr> </thead> <tbody> <tr> <td>Sample INTACT upon arrival?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Received on Wet Ice? Temp <u>5°C</u></td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Proper Preservatives Indicated?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Received within holding time?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Custody seals intact?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td>—</td> <td>—</td> <td>✓</td> </tr> <tr> <td>Proper Containers Used?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> </tbody> </table>											Yes	No	N/A	Sample INTACT upon arrival?	✓	—	—	Received on Wet Ice? Temp <u>5°C</u>	✓	—	—	Proper Preservatives Indicated?	✓	—	—	Received within holding time?	✓	—	—	Custody seals intact?	✓	—	—	Volatile rec'd without headspace?	—	—	✓	Proper Containers Used?	✓	—	—
	Yes	No	N/A																																															
Sample INTACT upon arrival?	✓	—	—																																															
Received on Wet Ice? Temp <u>5°C</u>	✓	—	—																																															
Proper Preservatives Indicated?	✓	—	—																																															
Received within holding time?	✓	—	—																																															
Custody seals intact?	✓	—	—																																															
Volatile rec'd without headspace?	—	—	✓																																															
Proper Containers Used?	✓	—	—																																															



CHAIN OF CUSTODY RECORD

Log #: 15475

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Ed Rahrig Pb LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>																				pH			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water	SL Sludge		
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent	SO Soil Sediment		
email: _____ Fax#: _____																				AFW Analyte Free H2O	AQ Aqueous		
Project Name: <u>Hillsboropins</u> Proj#: <u>62102.02</u>										Total # containers										DW Drinking Water	NA Nonaqueous		
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				SW Surface Water	O Other (Please Specify)		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK										Press Codes							
61	B-24-4	5/8/17	1123	SO													A. None	E. HCL	O. Other				
62	B-24-6		1124														B. HNO3	F. MeOH					
63	B-24-8		1125														C. H2SO4	G. Na2S2O3					
64	B-25-0.5		1136														D. NaOH	I. Ice					
65	B-25-2		1137																				
66	B-25-4		1138																				
67	B-25-6		1139																				
68	B-25-8		1140																				
69	B-26-0.5		1244																				
70	B-26-2		1245																				
T.A.T Request		QA/QC Report Level					COC OK		Initials														
Standard	RUSH						Y N		DM		IR Gun Sol273												
Y/N	24 Hour 48 Hour Date Due:	None 1 2 3 Other					(Y) N																
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Adm Dan</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	Sample INTACT upon arrival?	Yes	No	N/A											
									Received on Wet Ice? Temp. _____ °C														
									Proper Preservatives Indicated?														
									Received within holding time?														
									Custody seals intact?														
									Volatile rec'd without headspace?														
									Proper Containers Used?														



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015476

July 05, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-4	Lab ID: 0015476-01	Sampled: 05/08/17 12:46
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.64		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-6 **Lab ID:** 0015476-02 **Sampled:** 05/08/17 12:47
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.164	I	mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953

ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-8	Lab ID: 0015476-03	Sampled: 05/08/17 12:48
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.171	I	mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953

ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-0.5	Lab ID: 0015476-04	Sampled: 05/08/17 13:01
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.095	I	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 FAX: -

LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-27-2

Lab ID: 0015476-05

Sampled: 05/08/17 13:02

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.120	I	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-27-4

Lab ID: 0015476-06

Sampled: 05/08/17 13:03

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.111	I	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-6	Lab ID: 0015476-07	Sampled: 05/08/17 13:04
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.137	I	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-8	Lab ID: 0015476-08	Sampled: 05/08/17 13:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-0.5 **Lab ID:** 0015476-09 **Sampled:** 05/08/17 13:12
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	7.38		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-2	Lab ID: 0015476-10	Sampled: 05/08/17 13:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.43		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-4	Lab ID: 0015476-11	Sampled: 05/08/17 13:14
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	8.91		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-6	Lab ID: 0015476-12	Sampled: 05/08/17 13:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.096	I	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-8	Lab ID: 0015476-13	Sampled: 05/08/17 13:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.321		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-0.5	Lab ID: 0015476-14	Sampled: 05/08/17 13:22
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.59		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-4	Lab ID: 0015476-16	Sampled: 05/08/17 13:24
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-6	Lab ID: 0015476-17	Sampled: 05/08/17 13:25
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-8	Lab ID: 0015476-18	Sampled: 05/08/17 13:26
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.454		mg/kg dry	EPA 6020B	1	0.003	0.222	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-30-0.5	Lab ID: 0015476-19	Sampled: 05/08/17 13:31
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.08		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-30-2	Lab ID: 0015476-20	Sampled: 05/08/17 13:32
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.424		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-30-4	Lab ID: 0015476-21	Sampled: 05/08/17 13:33
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	31.9		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-30-6	Lab ID: 0015476-22	Sampled: 05/08/17 13:34
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.224		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-30-8	Lab ID: 0015476-23	Sampled: 05/08/17 13:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.12		mg/kg dry	EPA 6020B	1	0.003	0.217	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-0.5	Lab ID: 0015476-24	Sampled: 05/08/17 13:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.16		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-2	Lab ID: 0015476-25	Sampled: 05/08/17 13:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.900		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-4	Lab ID: 0015476-26	Sampled: 05/08/17 13:46
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.423		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-6	Lab ID: 0015476-27	Sampled: 05/08/17 13:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-8	Lab ID: 0015476-28	Sampled: 05/08/17 13:48
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.222	05/10/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-0.5 **Lab ID:** 0015476-29 **Sampled:** 05/08/17 13:55
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	6.01		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-2	Lab ID: 0015476-30	Sampled: 05/08/17 13:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.77		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-32-4

Lab ID: 0015476-31

Sampled: 05/08/17 13:57

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.52		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-6	Lab ID: 0015476-32	Sampled: 05/08/17 13:58
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.42		mg/kg dry	EPA 6020B	1	0.003	0.217	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-8	Lab ID: 0015476-33	Sampled: 05/08/17 13:59
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.387		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-10	Lab ID: 0015476-34	Sampled: 05/08/17 14:00
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.369		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-0.5	Lab ID: 0015476-35	Sampled: 05/08/17 14:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.67		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-2 **Lab ID:** 0015476-36 **Sampled:** 05/08/17 14:08
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.245		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



CERTIFICATE OF ANALYSIS

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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-33-4

Lab ID: 0015476-37

Sampled: 05/08/17 14:09

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	11.7		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-6	Lab ID: 0015476-38	Sampled: 05/08/17 14:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.17		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-8	Lab ID: 0015476-39	Sampled: 05/08/17 14:11
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	9.91		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 FAX: -

LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-33-10

Lab ID: 0015476-40

Sampled: 05/08/17 14:12

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.40		mg/kg dry	EPA 6020B	1	0.003	0.217	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-34-0.5	Lab ID: 0015476-41	Sampled: 05/08/17 14:17
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.83		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-34-2	Lab ID: 0015476-42	Sampled: 05/08/17 14:18
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.63		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-34-4

Lab ID: 0015476-43

Sampled: 05/08/17 14:19

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.43		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-34-6

Lab ID: 0015476-44

Sampled: 05/08/17 14:20

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-34-8

Lab ID: 0015476-45

Sampled: 05/08/17 14:21

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-0.5 **Lab ID:** 0015476-46 **Sampled:** 05/08/17 14:30
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	7.03		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.06		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-35-2

Lab ID: 0015476-47

Sampled: 05/08/17 14:31

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	1.84		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.02		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-4	Lab ID: 0015476-48	Sampled: 05/08/17 14:32
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.959		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.07		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-6	Lab ID: 0015476-49	Sampled: 05/08/17 14:33
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.40		mg/kg dry	EPA 6020B	1	0.003	0.230	05/10/17		05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/15/17		05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-8	Lab ID: 0015476-50	Sampled: 05/08/17 14:34
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-10 **Lab ID:** 0015476-51 **Sampled:** 05/08/17 14:35
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-0.5	Lab ID: 0015476-52	Sampled: 05/08/17 14:46
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	14.5		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17		05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.08		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17		06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17		05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-2	Lab ID: 0015476-53	Sampled: 05/08/17 14:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	4.06		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.02		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-4	Lab ID: 0015476-54	Sampled: 05/08/17 14:48
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.21		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17		05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.01		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17		06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17		05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-6	Lab ID: 0015476-55	Sampled: 05/08/17 14:49
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.35		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476

COC#: 24583,24586,24587,24588,24589,24590,24591

REPORTED: 7/5/2017 12:46:42PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-36-8

Lab ID: 0015476-56

Sampled: 05/08/17 14:50

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.334		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-10	Lab ID: 0015476-57	Sampled: 05/08/17 14:51
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-12	Lab ID: 0015476-58	Sampled: 05/08/17 14:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-0.5 **Lab ID:** 0015476-59 **Sampled:** 05/08/17 15:04
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	15.3		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.04		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-2	Lab ID: 0015476-60	Sampled: 05/08/17 15:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	1.83		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.01		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-4	Lab ID: 0015476-61	Sampled: 05/08/17 15:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	1.12		mg/kg dry	EPA 6020B	1	0.003	0.208	05/10/17	05/15/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.01		mg/L	EPA 1312/6010	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-6	Lab ID: 0015476-62	Sampled: 05/08/17 15:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.76		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-8	Lab ID: 0015476-63	Sampled: 05/08/17 15:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-10 **Lab ID:** 0015476-64 **Sampled:** 05/08/17 15:09
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-12	Lab ID: 0015476-65	Sampled: 05/08/17 15:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/08/17 17:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B705184 - NO PREP

Blank (B705184-BLK1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet							U
LCS (B705184-BS1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				70-130			U
Duplicate (B705184-DUP1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet						20	U
Matrix Spike (B705184-MS1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				75-135			U
Matrix Spike Dup (B705184-MSD1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				75-135		25	U

Batch B705185 - NO PREP

Blank (B705185-BLK1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet							U
LCS (B705185-BS1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				70-130			U
Duplicate (B705185-DUP1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet						20	U
Matrix Spike (B705185-MS1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				75-135			U
Matrix Spike Dup (B705185-MSD1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				75-135		25	U

Batch B705186 - NO PREP

Blank (B705186-BLK1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet							U
LCS (B705186-BS1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				70-130			U
Duplicate (B705186-DUP1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet						20	U
Matrix Spike (B705186-MS1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				75-135			U
Matrix Spike Dup (B705186-MSD1)				Prepared: 05/10/17 Analyzed: 05/15/17						
Arsenic	U	0.200	mg/kg wet				75-135		25	U

Batch B705187 - NO PREP

Blank (B705187-BLK1)				Prepared: 05/10/17 Analyzed: 05/15/17						
-----------------------------	--	--	--	---------------------------------------	--	--	--	--	--	--



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015476
COC#: 24583,24586,24587,24588,24589,24590,24591
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B705187 - NO PREP

Blank (B705187-BLK1) Continued

Prepared: 05/10/17 Analyzed: 05/15/17

Arsenic	U	0.200	mg/kg wet							U
---------	---	-------	-----------	--	--	--	--	--	--	---

LCS (B705187-BS1)

Prepared: 05/10/17 Analyzed: 05/15/17

Arsenic	U	0.200	mg/kg wet				70-130			U
---------	---	-------	-----------	--	--	--	--------	--	--	---

Duplicate (B705187-DUP1)

Prepared: 05/10/17 Analyzed: 05/15/17

Arsenic	U	0.200	mg/kg wet					20		U
---------	---	-------	-----------	--	--	--	--	----	--	---

Matrix Spike (B705187-MS1)

Prepared: 05/10/17 Analyzed: 05/15/17

Arsenic	U	0.200	mg/kg wet				75-135			U
---------	---	-------	-----------	--	--	--	--------	--	--	---

Matrix Spike Dup (B705187-MSD1)

Prepared: 05/10/17 Analyzed: 05/15/17

Arsenic	U	0.200	mg/kg wet				75-135	25		U
---------	---	-------	-----------	--	--	--	--------	----	--	---



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
- JEE Analysis performed by Florida Environmental Cert#E86006
1460 W McNabb Road Ft. Lauderdale FL 33309



Palm Beach Environmental
Laboratories, Inc.

Log #: 15476

PO #: 15476

Quote #:

FDEP:

CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#:										Parameters										EFF Effluent SO Soil Sediment			
email: Fax#:																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										AD										WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											SW Surface Water O Other (Please Specify)					
1	B-26-4	5/8/17	1246	SO			I											A. None E. HCL O. Other					
2	B-26-6		1247															B. HNO3 F. MeOH					
3	B-26-8		1248															C. H2SO4 G. Na2S2O3					
4	B-27-0.5		1301															D. NaOH I. Ice					
5	B-27-2		1302															Archive Samples 6 months					
6	B-27-4		1303																				
7	B-27-6		1304																				
8	B-27-8		1305																				
9	B-28-0.5		1312																				
10	B-28-2		1313																				
I.A.T. Request:										QA/QC Report Level										COC OK		Initials	
Standard: <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other										<u>(Y)</u> N		<u>DM</u>	
Y/N: <u>48 Hour</u> Date Due:																						<u>IR Gun 502273</u>	
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Al-Don</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	Sample INTACT upon arrival? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Received on Wet Ice? Temp. <u>3°C</u> <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Proper Preservatives Indicated? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Received within holding time? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Custody seals intact? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Volatile rec'd without headspace? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Proper Containers Used? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u>														



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15476

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters <u>AS</u>										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102-02</u>																				WW Waste Water NA Nonaqueous			
Sampler Signature: <u>Ed Rahrig</u> Name: <u>Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes					
11	B-28-4	5/8/17	1314	SO			I											A. None E. HCL O. Other					
12	B-28-6		1315															B. HNO3 F. MeOH					
13	B-28-8		1316															C. H2SO4 G. Na2S2O3					
14	B-29-0.5		1322															D. NaOH I. Ice					
15	B-29-2		1323																				
16	B-29-4		1324																				
17	B-29-6		1325																				
18	B-29-8		1326																				
19	B-30-0.5		1331																				
20	B-30-2		1332																				
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard <u>24 Hour</u> RUSH										None <u>1</u> <u>2</u> <u>3</u> Other										<u>Y</u> N		<u>EM</u>	
Y/N <u>48 Hour</u> Date Due:																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Ed Don</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Received on Wet Ice? Temp <u>3°C</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Proper Preservatives indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15476

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G. Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes																														
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																														
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																														
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																														
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																														
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										<table border="1"> <thead> <tr> <th colspan="3">Press Codes</th> </tr> </thead> <tbody> <tr> <td>A. None</td> <td>E. HCL</td> <td>O. Other</td> </tr> <tr> <td>B. HNO3</td> <td>F. MeOH</td> <td></td> </tr> <tr> <td>C. H2SO4</td> <td>G. Na2S2O3</td> <td></td> </tr> <tr> <td>D. NaOH</td> <td>I. Ice</td> <td></td> </tr> </tbody> </table>										Press Codes			A. None	E. HCL	O. Other	B. HNO3	F. MeOH		C. H2SO4	G. Na2S2O3		D. NaOH	I. Ice																	
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D. NaOH	I. Ice																																																	
Sampler Signature / Name: <u>Ed Rahrig</u>																																																		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																																											
21	B-30-4	5/8/17	1333	SO			1	✓																																										
22	B-30-6		1334					✓																																										
23	B-30-8		1335					✓																																										
24	B-31-0.5		1344					✓																																										
25	B-31-2		1345					✓																																										
26	B-31-4		1346					✓																																										
27	B-31-6		1347					✓																																										
28	B-31-8		1348					✓																																										
29	B-32-0.5		1353					✓																																										
30	B-32-2		1356					✓																																										
T.A.T Request										QA/QC Report Level										COC OK			Initials																											
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other										<u>(Y)</u> N			<u>DM</u>																											
Y/N										24 Hour										48 Hour			Date Due:																											
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																									
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>He Don</u>	<u>PBEL</u>	<u>05/09/17</u>	<u>1700</u>	<table border="1"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th>N/A</th> </tr> </thead> <tbody> <tr> <td>Sample INTACT upon arrival?</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Received on Wet Ice? Temp: <u>3.7</u> °C</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Proper Preservatives Instigated?</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Received within holding time?</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Custody seals intact?</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Proper Containers Used?</td> <td>✓</td> <td></td> <td></td> </tr> </tbody> </table>											Yes	No	N/A	Sample INTACT upon arrival?	✓			Received on Wet Ice? Temp: <u>3.7</u> °C	✓			Proper Preservatives Instigated?	✓			Received within holding time?	✓			Custody seals intact?	✓			Volatile rec'd without headspace?	✓			Proper Containers Used?	✓		
	Yes	No	N/A																																															
Sample INTACT upon arrival?	✓																																																	
Received on Wet Ice? Temp: <u>3.7</u> °C	✓																																																	
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Volatile rec'd without headspace?	✓																																																	
Proper Containers Used?	✓																																																	



Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15476

PO #: _____

Quote #: _____

FDEP: _____

Company Name <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD	Solid Waste	OL	Oil
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW	Ground Water	SL	Sludge
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters <u>AS</u>										EFF	Effluent	SO	Soil Sediment
email: _____ Fax#: _____																				AFW	Analyte Free H2O	AQ	Aqueous
Project Name <u>Hillsboro Pine</u> Proj#: <u>62102.02</u>										Matrix										WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name <u>Ed Rahrig / Ed Rahrig</u>																				DW	Drinking Water		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes					
31	B-32-4	5/8/17	1357	SO			1											A. None	E. HCL	O. Other			
32	B-32-6		1358															B. HNO3	F. MeOH				
33	B-32-8		1359															C. H2SO4	G. Na2S2O3				
34	B-32-10		1400															D. NaOH	I. Ice				
35	B-33-0.5		1407																				
36	B-33-2		1408																				
37	B-33-4		1409																				
38	B-33-6		1410																				
39	B-33-8		1411																				
40	B-33-10		1412																				
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other										<u>(Y)</u> N		<u>DM</u>	
Y/N <u>48 Hour</u> Date Due:																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Adm Don</u>	<u>PBEL</u>	<u>05/08/17</u>	<u>1700</u>	Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>											
									Received on Wet Ice? Temp. °C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
									Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
									Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
									Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
									Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
									Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15475

PO #: _____

Quote #: _____

FDEP: _____

Company Name: Edward G Rahry Plc LLC										LAB ANALYSIS										Matrix Codes			
Address: 632 SW Aster Rd										pH										SD Solid Waste OL Oil			
City: PSL State: FL Zip: 34953										PRES CODE										GW Ground Water SL Sludge			
Attn: Ed Rahry Phone#: _____										Parameters AS										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				APW Analyte Free H2O AQ Aqueous			
Project Name: Hillsboro Area Proj#: 62102.02																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name: Ed Rahry / Ed Rahry																				DW Drinking Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers											Press Codes					
41	B-34-0.5	5/8/17	1417	SO			1											A. None E. HCL O. Other					
42	B-34-2		1418															B. HNO3 F. MeOH					
43	B-34-4		1419															C. H2SO4 G. Na2S2O3					
44	B-34-6		1420															D. NaOH I. Ice					
45	B-34-8		1421																				
46	B-35-0.5		1430																				
47	B-35-2		1431																				
48	B-35-4		1432																				
49	B-35-6		1433																				
50	B-35-8		1434																				
TAT Request										QA/QC Report Level										COC OK		Initials	
Standard RUSH										None 1 2 3 Other										(Y) N		DM	
Y/N 24 Hour 48 Hour Date Due:																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	Ed Rahry	Ed Rahry	5/8/17	1700	Adam Don	PBEL	05/08/17	1700	Sample INTACT upon arrival? Yes No N/A Received on Wet Ice? Temp. C Proper Preservatives Indicated? Received within holding time? Custody seals intact? Volatile rec'd without headspace? Proper Containers Used?														



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15476
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name <u>Edward G Rahrig P & LLC</u>										LAB ANALYSIS										Matrix Codes																										
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																										
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>F</u>										GW Ground Water SL Sludge																										
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters <u>AM</u>										EFF Effluent SO Soil Sediment																										
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																										
Project Name <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous																										
Sampler Signature / Name <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)																										
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes																												
51	B-35-10	5/8/17	1435	SO			1											A. None E. HCL O. Other																												
52	B-36-0.5		1446															B. HNO3 F. MeOH																												
53	B-36-2		1447															C. H2SO4 G. Na2S2O3																												
54	B-36-4		1448															D. NaOH I. Ice																												
55	B-36-6		1449																																											
56	B-36-8		1450																																											
57	B-36-10		1451																																											
58	B-36-12		1452																																											
59	B-37-0.5		1504																																											
60	B-37-2		1505																																											
T.A.T. Request										QA/QC Report Level										COC OK		Initials																								
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>Y</u> N		<u>AM</u>																								
Y/N <u>24 Hour</u> <u>48 Hour</u> Date Due: _____																																														
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																					
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/8/17</u>	<u>1700</u>	<u>Adm Don</u>	<u>PBEL</u>	<u>05/09/17</u>	<u>1700</u>	<table border="1"> <tr> <td>Sample INTACT upon arrival?</td> <td>Yes <input checked="" type="checkbox"/></td> <td>No <input type="checkbox"/></td> <td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Received on Wet Ice? Temp. °C</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Proper Preservatives Indicated?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Received within holding time?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Custody seals intact?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Proper Containers Used?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>										Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Received on Wet Ice? Temp. °C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>																																											
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Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											
Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																											
Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																											



CHAIN OF CUSTODY RECORD

Log #: 15476

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PB LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>								pH												SD Solid Waste		OL Oil	
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>				PRES CODE		<u>I</u>												GW Ground Water		SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____				Parameters		<u>AS</u>												EFF Effluent		SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O		AQ Aqueous	
Project Name: <u>Hillsboro Lines</u> Proj#: <u>62102.02</u>																				WW Waste Water		NA Nonaqueous	
Sampler Signature / Name: <u>Ed M / Ed Rahrig</u>																				DW Drinking Water		Other (Please Specify)	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers													Press Codes			
<u>61</u>	<u>B-37-4</u>	<u>5/8/17</u>	<u>1506</u>	<u>SO</u>			<u>1</u>														A. None	E. HCL	O. Other
<u>62</u>	<u>B-37-6</u>		<u>1507</u>																		B. HNO3	F. MeOH	
<u>63</u>	<u>B-37-8</u>		<u>1508</u>																		C. H2SO4	G. Na2S2O3	
<u>64</u>	<u>B-37-10</u>		<u>1509</u>																		D. NaOH	I. Ice	
<u>65</u>	<u>B-37-12</u>		<u>1510</u>																				
<u>6</u>	_____																						
<u>7</u>																							
<u>8</u>																							
<u>9</u>																							
<u>0</u>																							
T.A.T. Request		QA/QC Report Level										COC OK		Initials									
Standard <u>RUSH</u>		None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> N		<u>DM</u>									
Y/N <u>48 Hour</u> Date Due: _____		Item		Retrieved by		Affiliation		Date		Time		Received By		Affiliation		Date		Time		Lab Use Only			
		<u>Ed M</u>		<u>Ed Rahrig</u>		<u>5/8/17</u>		<u>1700</u>		<u>Ad-Dou</u>		<u>PBEL</u>		<u>05/08/17</u>		<u>1700</u>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Sample INTACT upon arrival? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Received on Wet Ice? Temp. <u>2°C</u> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Proper Preservatives Intact? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Received within holding time? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Custody seals intact? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Volatile rec'd without headspace? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Proper Containers Used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015484

May 16, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-38-0.5	Lab ID: 0015484-01	Sampled: 05/09/17 09:19
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.62		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-38-2	Lab ID: 0015484-02	Sampled: 05/09/17 09:20
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.57		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-38-4	Lab ID: 0015484-03	Sampled: 05/09/17 09:21
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.449	I	mg/kg dry	EPA 6020B	1	0.096	0.532	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-38-6	Lab ID: 0015484-04	Sampled: 05/09/17 09:22
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.05		mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-38-8	Lab ID: 0015484-05	Sampled: 05/09/17 09:23
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.100	U	mg/kg dry	EPA 6020B	1	0.100	0.556	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667

FAX: -

LOG #: 0015484

COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-38-10

Lab ID: 0015484-06

Sampled: 05/09/17 09:24

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	6.59		mg/kg dry	EPA 6020B	1	0.097	0.538	05/11/17	05/11/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484

COC#: 24366, 24602,24603,604,605.24597,98,99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-38-12

Lab ID: 0015484-07

Sampled: 05/09/17 09:25

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.102	U	mg/kg dry	EPA 6020B	1	0.102	0.568	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-39-0.5 **Lab ID:** 0015484-08 **Sampled:** 05/09/17 10:05
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	19.3		mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-39-2	Lab ID: 0015484-09	Sampled: 05/09/17 10:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.81		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-39-4	Lab ID: 0015484-10	Sampled: 05/09/17 10:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.03		mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-39-6	Lab ID: 0015484-11	Sampled: 05/09/17 10:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.47		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-39-8	Lab ID: 0015484-12	Sampled: 05/09/17 10:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.184	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-40-0.5	Lab ID: 0015484-13	Sampled: 05/09/17 10:37
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.61		mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-40-2	Lab ID: 0015484-14	Sampled: 05/09/17 10:38
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.777		mg/kg dry	EPA 6020B	1	0.096	0.532	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-40-4	Lab ID: 0015484-15	Sampled: 05/09/17 10:39
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.660		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-40-6 **Lab ID:** 0015484-16 **Sampled:** 05/09/17 10:40
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.72		mg/kg dry	EPA 6020B	1	0.096	0.532	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-40-8	Lab ID: 0015484-17	Sampled: 05/09/17 10:41
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.82		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-40-10	Lab ID: 0015484-18	Sampled: 05/09/17 10:42
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.446	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-41-0.5	Lab ID: 0015484-19	Sampled: 05/09/17 10:43
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.32		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-41-2	Lab ID: 0015484-20	Sampled: 05/09/17 10:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.08		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-41-4	Lab ID: 0015484-21	Sampled: 05/09/17 10:55
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.16		mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-41-6	Lab ID: 0015484-22	Sampled: 05/09/17 10:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.606		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-41-8	Lab ID: 0015484-23	Sampled: 05/09/17 10:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.468	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-41-10	Lab ID: 0015484-24	Sampled: 05/09/17 10:58
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.80		mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-42-0.5	Lab ID: 0015484-25	Sampled: 05/09/17 11:12
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.212	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-42-2	Lab ID: 0015484-26	Sampled: 05/09/17 11:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-42-4 **Lab ID:** 0015484-27 **Sampled:** 05/09/17 11:14
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.218	I	mg/kg dry	EPA 6020B	1	0.097	0.538	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-42-6	Lab ID: 0015484-28	Sampled: 05/09/17 11:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.12		mg/kg dry	EPA 6020B	1	0.102	0.568	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-43-0.5	Lab ID: 0015484-29	Sampled: 05/09/17 11:33
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.78		mg/kg dry	EPA 6020B	1	0.094	0.521	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484

COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-43-2

Lab ID: 0015484-30

Sampled: 05/09/17 11:34

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.888		mg/kg dry	EPA 6020B	1	0.100	0.556	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-43-4	Lab ID: 0015484-31	Sampled: 05/09/17 11:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.605		mg/kg dry	EPA 6020B	1	0.094	0.521	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-43-6	Lab ID: 0015484-32	Sampled: 05/09/17 11:36
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.242	I	mg/kg dry	EPA 6020B	1	0.099	0.549	05/11/17	05/11/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-43-8 **Lab ID:** 0015484-33 **Sampled:** 05/09/17 11:37
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015484

COC#: 24366, 24602,24603,604,605.24597,98,99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-44-0.5

Lab ID: 0015484-34

Sampled: 05/09/17 11:52

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.319	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-44-2	Lab ID: 0015484-35	Sampled: 05/09/17 11:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.095	U	mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484

COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-44-4

Lab ID: 0015484-36

Sampled: 05/09/17 11:54

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.153	I	mg/kg dry	EPA 6020B	1	0.097	0.538	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-44-6	Lab ID: 0015484-37	Sampled: 05/09/17 11:55
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.60		mg/kg dry	EPA 6020B	1	0.100	0.556	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-45-0.5	Lab ID: 0015484-38	Sampled: 05/09/17 12:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.71		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-45-2 **Lab ID:** 0015484-39 **Sampled:** 05/09/17 12:06
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.71		mg/kg dry	EPA 6020B	1	0.094	0.521	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-45-4 **Lab ID:** 0015484-40 **Sampled:** 05/09/17 12:07
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.395	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-45-6	Lab ID: 0015484-41	Sampled: 05/09/17 12:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-45-8 **Lab ID:** 0015484-42 **Sampled:** 05/09/17 12:09
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.896		mg/kg dry	EPA 6020B	1	0.099	0.549	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-46-0.5	Lab ID: 0015484-43	Sampled: 05/09/17 12:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.38		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-46-2	Lab ID: 0015484-44	Sampled: 05/09/17 12:17
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.41		mg/kg dry	EPA 6020B	1	0.097	0.538	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-46-4 **Lab ID:** 0015484-45 **Sampled:** 05/09/17 12:18
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484

COC#: 24366, 24602,24603,604,605.24597,98,99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-46-6

Lab ID: 0015484-46

Sampled: 05/09/17 12:19

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-46-8	Lab ID: 0015484-47	Sampled: 05/09/17 12:20
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.124	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-47-0.5 **Lab ID:** 0015484-48 **Sampled:** 05/09/17 12:45
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	6.92		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-47-2	Lab ID: 0015484-49	Sampled: 05/09/17 12:46
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.173	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-47-4	Lab ID: 0015484-50	Sampled: 05/09/17 12:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-47-6 **Lab ID:** 0015484-51 **Sampled:** 05/09/17 12:48
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.600		mg/kg dry	EPA 6020B	1	0.100	0.556	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-47-8	Lab ID: 0015484-52	Sampled: 05/09/17 12:49
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.883		mg/kg dry	EPA 6020B	1	0.105	0.581	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-48-0.5	Lab ID: 0015484-53	Sampled: 05/09/17 12:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	10.5		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-48-2	Lab ID: 0015484-54	Sampled: 05/09/17 12:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.36		mg/kg dry	EPA 6020B	1	0.094	0.521	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-48-4 **Lab ID:** 0015484-55 **Sampled:** 05/09/17 12:58
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	2.89		mg/kg dry	EPA 6020B	1	0.097	0.538	05/11/17	05/11/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-48-6	Lab ID: 0015484-56	Sampled: 05/09/17 12:59
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-48-8	Lab ID: 0015484-57	Sampled: 05/09/17 13:00
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.62		mg/kg dry	EPA 6020B	1	0.102	0.568	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-49-0.5	Lab ID: 0015484-58	Sampled: 05/09/17 13:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.56		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-49-2	Lab ID: 0015484-59	Sampled: 05/09/17 13:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.209	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015484

COC#: 24366, 24602,24603,604,605.24597,98,99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-49-4

Lab ID: 0015484-60

Sampled: 05/09/17 13:09

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-49-6	Lab ID: 0015484-61	Sampled: 05/09/17 13:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.890		mg/kg dry	EPA 6020B	1	0.096	0.532	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-50-0.5 **Lab ID:** 0015484-63 **Sampled:** 05/09/17 13:27
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	4.64		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-50-2	Lab ID: 0015484-64	Sampled: 05/09/17 13:28
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.52		mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-50-4 **Lab ID:** 0015484-65 **Sampled:** 05/09/17 13:29
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-50-6	Lab ID: 0015484-66	Sampled: 05/09/17 13:30
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-51-0.5 **Lab ID:** 0015484-67 **Sampled:** 05/09/17 13:43
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	3.34		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-51-2	Lab ID: 0015484-68	Sampled: 05/09/17 13:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.17		mg/kg dry	EPA 6020B	1	0.096	0.532	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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632 S.W. Aster Road
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-51-4	Lab ID: 0015484-69	Sampled: 05/09/17 13:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-51-6	Lab ID: 0015484-70	Sampled: 05/09/17 13:46
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-51-8	Lab ID: 0015484-71	Sampled: 05/09/17 13:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	9.09		mg/kg dry	EPA 6020B	1	0.099	0.549	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-52-0.5	Lab ID: 0015484-72	Sampled: 05/09/17 13:48
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	5.30		mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-52-2	Lab ID: 0015484-73	Sampled: 05/09/17 13:49
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.54		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-52-4	Lab ID: 0015484-74	Sampled: 05/09/17 13:50
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.28		mg/kg dry	EPA 6020B	1	0.094	0.521	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-52-6	Lab ID: 0015484-75	Sampled: 05/09/17 13:51
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.299	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-52-8	Lab ID: 0015484-76	Sampled: 05/09/17 13:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.115	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-53-0.5	Lab ID: 0015484-77	Sampled: 05/09/17 14:02
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.14		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-53-2	Lab ID: 0015484-78	Sampled: 05/09/17 14:03
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.92		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-53-4	Lab ID: 0015484-79	Sampled: 05/09/17 14:04
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	5.74		mg/kg dry	EPA 6020B	1	0.096	0.532	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-53-6 **Lab ID:** 0015484-80 **Sampled:** 05/09/17 14:05
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-53-8	Lab ID: 0015484-81	Sampled: 05/09/17 14:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-53-10 **Lab ID:** 0015484-82 **Sampled:** 05/09/17 14:07
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-54-0.5	Lab ID: 0015484-83	Sampled: 05/09/17 14:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.01		mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-54-2	Lab ID: 0015484-84	Sampled: 05/09/17 14:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-54-4	Lab ID: 0015484-85	Sampled: 05/09/17 14:17
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.100	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-54-6 **Lab ID:** 0015484-86 **Sampled:** 05/09/17 14:18
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	1.07		mg/kg dry	EPA 6020B	1	0.100	0.556	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484

COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,

REPORTED: 5/16/2017 1:26:19PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-55-0.5

Lab ID: 0015484-87

Sampled: 05/09/17 14:29

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-55-2	Lab ID: 0015484-88	Sampled: 05/09/17 14:30
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.13		mg/kg dry	EPA 6020B	1	0.093	0.515	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602, 24603, 604, 605, 24597, 98, 99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-55-4	Lab ID: 0015484-89	Sampled: 05/09/17 14:31
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.476	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/11/17	05/11/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-55-6 **Lab ID:** 0015484-90 **Sampled:** 05/09/17 14:32
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015484
COC#: 24366, 24602,24603,604,605.24597,98,99,
REPORTED: 5/16/2017 1:26:19PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-55-8 **Lab ID:** 0015484-91 **Sampled:** 05/09/17 14:33
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/09/17 16:05

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/11/17	05/11/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig P6 LLC										LAB ANALYSIS										Matrix Codes							
Address: 632 SW Aster Rd										pH										SD Solid Waste OL Oil							
City: PSL State: FL Zip: 34953										PRES CODE I										GW Ground Water SL Sludge							
Attn: Ed Rahrig Phone#: _____										Parameters										EFF Effluent SO Soil Sediment							
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous							
Project Name: Hillsboro Pines Proj#: 62102.02										AS										WW Waste Water NA Nonaqueous							
Sampler Signature / Name: Ed Rahrig																				DW Drinking Water				SW Surface Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers											Press Codes									
1	B-38-0.5	919	5/9/17	SO			1											A. None	E. HCL	O. Other							
2	B-38-2	920																B. HNO3	F. MeOH								
3	B-38-4	921																C. H2SO4	G. Na2S2O3								
4	B-38-6	922																D. NaOH	I. Ice								
5	B-38-8	923																									
6	B-38-10	924																									
7	B-38-12	925																									
8	B-39-0.5	1005																									
9	B-39-2	1006																									
10	B-39-4	1007																									
I.A.T. Request										QA/QC Report Level										COC OK		Initials					
Standard <input checked="" type="radio"/> 24 Hour <input type="radio"/> 48 Hour										None <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 Other <input type="checkbox"/>										<input checked="" type="radio"/> Y <input type="radio"/> N		RS					
Item										Retained by		Affiliation		Date		Time		Received By		Affiliation		Date		Time		Lab Use Only	
										Ed Rahrig		Ed Rahrig		5/9/17		16:05		David De		PBEL		5/9/17		16:05			
																								Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
																								Received on Wet Ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
																								Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
																								Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
																								Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
																								Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
																								Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			



CHAIN OF CUSTODY RECORD

Log #: 15484
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward G Rahrig Plc LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>								pH												SD Solid Waste		OL Oil	
City: <u>PSL</u>				State: <u>FL</u>				Zip: <u>34953</u>				PRES CODE		<u>I</u>						GW Ground Water		SL Sludge	
Attn: <u>Ed Rahrig</u>				Phone#: _____				Parameters										EFF Effluent		SO Soil Sediment			
email: _____				Fax#: _____														AFW Analyte Free H2O		AQ Aqueous			
Project Name: <u>Hillsboro Pines</u>				Proj#: <u>62102.02</u>														WW Waste Water		NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																		DW Drinking Water					
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	AS										SW Surface Water		O Other (Please Specify)			
11	B-39-6	5/9/17	1008	SO			1		✓														
12	B-39-8		1009						✓														
13	B-40-0.5		1037						✓														
14	B-40-2		1038						✓														
15	B-40-4		1039						✓														
16	B-40-6		1040						✓														
17	B-40-8		1041						✓														
18	B-40-10		1042						✓														
19	B-41-0.5		1043						✓														
20	B-41-2		1044						✓														

T.A.T. Request		QA/QC Report Level				COC OK	Initials			
Standard	RUSH									
Y/N	24 Hour 48 Hour Date Due:	None 1 2 3 Other				(Y) N	PS			
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only	
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/9/2017</u>	<u>16:05</u>	<u>Dawn D</u>	<u>PS</u>	<u>5/9/17</u>	<u>16:05</u>	Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
									Received on Wet Ice? Temp °C	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
									Proper Preservatives Indicated?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
									Received within holding time?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
									Custody seals intact?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
									Volatile rec'd without headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
									Proper Containers Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes																																																																								
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																																																																								
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																																																																								
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters <u>As</u>										EFF Effluent SO Soil Sediment																																																																								
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																																																																								
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous																																																																								
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water SW Surface Water O Other (Phase Specify)																																																																								
Sample Label (Client ID)										Collect Date										Collect Time										Matrix										Field Filtered										Integrity										Total # of containers										Press Codes																						
#										21										B-41-4										5/9/17										1055										50																																								A. None E. HCL O. Other		
22										B-41-6																				1056																																																		B. HNO3 F. MeOH												
23										B-41-8																				1057																																																		C. H2SO4 G. Na2S2O3												
24										B-41-10																				1058										<u>60</u>																																								D. NaOH I. Ice												
25										B-42-0.5																				1112																																																														
26										B-42-2																				1113																																																														
27										B-42-4																				1114																																																														
28										B-42-6																				1115																																																														
29										B-43-0.5																				1133																																																														
30										B-43-2																				1134																																																														
Standard										RUSH										QA/QC Report Level										COC OK										Initials																																																				
Y/N										24 Hour 48 Hour Date Due:										None 1 2 3 Other										Y N										B																																																				
Item										Relinquished by										Affiliation										Date										Time										Received By										Affiliation										Date										Time										Lab Use Only		
										<u>Ed Rahrig</u>										<u>Ed Rahrig</u>										<u>5/9/2017</u>										<u>16:05</u>										<u>Diana Te</u>										<u>PBEL</u>										<u>5/9/17</u>										<u>16:05</u>										Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
																																																																																										Received on Wet Ice? Temp <u>30</u> °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
																																																																																										Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
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																																																																																										Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
																																																																																										Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes					
Address: <u>632 SW Asfer Rd</u>								pH												SD Solid Waste		OL Oil			
City: <u>PSL</u>				State: <u>FL</u>				Zip: <u>34953</u>		PRES CODE		<u>I</u>								GW Ground Water		SL Sludge			
Attn: <u>Ed Rahrig</u>				Phone#:				email:		Fax#:		Parameters								EFF Effluent		SO Soil Sediment			
Project Name: <u>Hillsboro Pines</u>				Proj#: <u>62102.02</u>																		AFW Analyte Free H2O		AQ Aqueous	
Sampler Signature: <u>Ed Rahrig</u>				Name: <u>Ed Rahrig</u>																		WW Waste Water		NA Nonaqueous	
																						DW Drinking Water			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total Containers	AS										Press Codes							
31	B-43-4	5/9/17	1135	SO			1		✓										A. None	E. HCL	O. Other				
32	B-43-6		1136						✓										B. HNO3	F. MeOH					
33	B-43-8		1137						✓										C. H2SO4	G. Na2S2O3					
34	B-44-0.5		1152						✓										D. NaOH	I. Ice					
35	B-44-2		1153						✓																
36	B-44-4		1154						✓																
37	B-44-6		1155						✓																
38	B-45-0.5		1205						✓																
39	B-45-2		1206						✓																
40	B-45-4		1207						✓																
Standard		RUSH		QA/QC Report Level						COC OK		Initials													
Y/N		24 Hour 48 Hour Date Due:		None 1 2 3 Other						(Y) N		RS													
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/9/2017</u>	<u>15:05</u>	<u>Dave</u>	<u>PBEL</u>	<u>5/9/17</u>	<u>16:05</u>																	
											Sample INTACT upon arrival?	Yes	No	N/A											
											Received on Wet Ice? Temp	<u>20C</u>													
											Proper Preservatives Indicated?	✓													
											Received within holding time?	✓													
											Custody seals intact?	✓													
											Volatile rec'd without headspace?	✓													
											Proper Containers Used?	✓													



CHAIN OF CUSTODY RECORD

Log #: 15484

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes																																																																																
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																																																																																
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																																																																																
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																																																																																
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																																																																																
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous																																																																																
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)																																																																																
SW Surface Water O Other (Please Specify)										As										Press Codes																																																																																
<table border="1"> <thead> <tr> <th>#</th> <th>Sample Label (Client ID)</th> <th>Collect Date</th> <th>Collect Time</th> <th>Matrix</th> <th>Field Filtered</th> <th>Integrity OK</th> <th>Total # of containers</th> </tr> </thead> <tbody> <tr><td>41</td><td>B-45-6</td><td>5/9/17</td><td>1208</td><td>SO</td><td></td><td></td><td>1</td></tr> <tr><td>42</td><td>B-45-8</td><td></td><td>1209</td><td></td><td></td><td></td><td></td></tr> <tr><td>43</td><td>B-46-0.5</td><td></td><td>1216</td><td></td><td></td><td></td><td></td></tr> <tr><td>44</td><td>B-46-2</td><td></td><td>1217</td><td></td><td></td><td></td><td></td></tr> <tr><td>45</td><td>B-46-4</td><td></td><td>1218</td><td></td><td></td><td></td><td></td></tr> <tr><td>46</td><td>B-46-6</td><td></td><td>1219</td><td></td><td></td><td></td><td></td></tr> <tr><td>47</td><td>B-46-8</td><td></td><td>1220</td><td></td><td></td><td></td><td></td></tr> <tr><td>48</td><td>B-47-0.5</td><td></td><td>1245</td><td></td><td></td><td></td><td></td></tr> <tr><td>49</td><td>B-47-2</td><td></td><td>1246</td><td></td><td></td><td></td><td></td></tr> <tr><td>50</td><td>B-47-4</td><td></td><td>1247</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>																				#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	41	B-45-6	5/9/17	1208	SO			1	42	B-45-8		1209					43	B-46-0.5		1216					44	B-46-2		1217					45	B-46-4		1218					46	B-46-6		1219					47	B-46-8		1220					48	B-47-0.5		1245					49	B-47-2		1246					50
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																																																																																													
41	B-45-6	5/9/17	1208	SO			1																																																																																													
42	B-45-8		1209																																																																																																	
43	B-46-0.5		1216																																																																																																	
44	B-46-2		1217																																																																																																	
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46	B-46-6		1219																																																																																																	
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48	B-47-0.5		1245																																																																																																	
49	B-47-2		1246																																																																																																	
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Standard RUSH										None 1 2 3 Other										(Y) N <u>AS</u>																																																																																
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Item Relinquished by Affiliation Date Time Received By Affiliation Date Time																				Lab Use Only																																																																																
<u>Ed Rahrig</u> <u>Ed Rahrig</u> <u>5/9/2017</u> <u>16:05</u> <u>Danner</u> <u>PBEL</u> <u>5/9/17</u> <u>16:05</u>														Yes No N/A																																																																																						
														Sample INTACT upon arrival? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																																																						
														Received on Wet Ice? Temp. °C <u>3.0</u> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																																																						
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CHAIN OF CUSTODY RECORD

Log #: 15484
 PO #: _____
 Quote #: _____
 FDEP : _____

Company Name: <u>Edward G Rahrig Pq LLC</u>										LAB ANALYSIS										Matrix Codes																											
Address: <u>632 SW As Jer Rd</u>										pH										SD Solid Waste OL Oil																											
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE										GW Ground Water SL Sludge																											
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																											
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																											
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102102</u>																				WW Waste Water NA Nonaqueous																											
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)																											
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																				A. None E. HCL O. Other																											
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#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Other	Total containers	As																																						
S1	B-47-6	5/9/17	1248	SO				1	✓																																						
S2	B-47-8		1249						✓																																						
S3	B-48-0.5		1256						✓																																						
S4	B-48-2		1257						✓																																						
S5	B-48-4		1258						✓																																						
S6	B-48-6		1259						✓																																						
S7	B-48-8		1300						✓																																						
S8	B-49-0.5		1307						✓																																						
S9	B-49-2		1308						✓																																						
S10	B-49-4		1309						✓																																						
T.A.T. Request: _____										QA/QC Report Level										COC OK		Initials																									
Standard: <u>RUSH</u>										None 1 2 3 Other										Y N <u>BS</u>																											
Y/N: _____																																															
24 Hour Date Due: _____																																															
48 Hour Date Due: _____																																															
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																						
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/9/2017</u>	<u>16:05</u>	<u>Dawson</u>	<u>PBEL</u>	<u>5/9/17</u>	<u>16:05</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td>Sample INTACT upon arrival?</td> <td>Yes</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Received on Wet Ice? Temp. °C</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Proper Preservatives Indicated?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Received within holding time?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Custody seals intact?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Proper Containers Used?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> </table>											Sample INTACT upon arrival?	Yes	No	N/A	Received on Wet Ice? Temp. °C	✓	—	—	Proper Preservatives Indicated?	✓	—	—	Received within holding time?	✓	—	—	Custody seals intact?	✓	—	—	Volatile rec'd without headspace?	✓	—	—	Proper Containers Used?	✓	—	—
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CHAIN OF CUSTODY RECORD

Log #: 15484

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes																										
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																										
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																										
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Sol Sediment																										
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																										
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous																										
Sampler Signature: <u>Ed Rahrig</u> Name: <u>Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)																										
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes																												
								<u>AS</u>											A. None E. HCL O. Other																											
<u>61</u>	<u>B-49-6</u>	<u>5/9/17</u>	<u>1310</u>	<u>SO</u>			<u>1</u>												B. HNO3 E. MeOH																											
<u>62</u>	<u>B-40-50-0.5</u>		<u>-</u>																C. H2SO4 G. Na2S2O3																											
<u>63</u>	<u>B-50-0.5</u>		<u>1327</u>																D. NaOH I. Ice																											
<u>64</u>	<u>B-50-2</u>		<u>1328</u>																																											
<u>65</u>	<u>B-50-4</u>		<u>1329</u>																																											
<u>66</u>	<u>B-50-6</u>		<u>1330</u>																																											
<u>67</u>	<u>B-51-0.5</u>		<u>1343</u>																																											
<u>68</u>	<u>B-51-2</u>		<u>1344</u>																																											
<u>69</u>	<u>B-51-4</u>		<u>1345</u>																																											
<u>70</u>	<u>B-51-6</u>		<u>1346</u>																																											
T.A.T. Request										QA/QC Report Level										COC OK		Initials																								
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> N <u>PS</u>																										
Y/N <u>48 Hour</u> Date Due: _____																																														
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CHAIN OF CUSTODY RECORD

Log #: 15484
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward G Rahrig Pk LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE: <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										AS										Press Codes			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				WW Waste Water NA Nonaqueous			
																				DW Drinking Water O Other (Please Specify)			
																				A. None E. HCL O. Other			
																				B. HNO3 F. MeOH			
																				C. H2SO4 G. Na2S2O3			
																				D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																
71	B-51-8	5/9/17	1347	SO			1																
72	B-52-0.5		1348																				
73	B-52-2		1349																				
74	B-52-4		1350																				
75	B-52-6		1351																				
76	B-52-8		1352																				
77	B-53-0.5		1402																				
78	B-53-2		1403																				
79	B-53-4		1404																				
80	B-53-6		1405																				
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard RUSH										None 1 2 3 Other										Y N		AS	
Y/N 24 Hour 48 Hour Date Due:																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/9/2017</u>	<u>16:05</u>	<u>Dawn Lee</u>	<u>PBEL</u>	<u>5/9/17</u>	<u>16:05</u>															
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									Received on Wet Ice? Temp. °C	✓													
									Proper Preservatives Indicated?	✓													
									Received within holding time?	✓													
									Custody seals intact?	✓													
									Volatile rec'd without headspace?	✓													
									Proper Containers Used?	✓													



CHAIN OF CUSTODY RECORD

Log #: 15484

PO #: _____

Quote #: _____

FDEP: _____

Company Name		LAB ANALYSIS										Matrix Codes			
Edward G Rahrig Pkg LLC												SD Solid Waste OL Oil GW Ground Water SL Sludge EFF Effluent SO Soil Sediment AFW Analyte Free H2O AQ Aqueous WW Waste Water NA Nonaqueous DW Drinking Water SW Surface Water O Other (Please Specify)			
Address: <u>632 SW Aster Rd</u>		pH													
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE <u>I</u>													
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters													
email: _____ Fax#: _____															
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62/02.02</u>															
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>												Press Codes A. None E. HCL O. Other B. HNO3 F. MeOH C. H2SO4 G. Na2S2O3 D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers								
81	B-53-8	1406	5/11/17	SO			1								
82	B-53-10	1407													
83	B-54-0.5	1415													
84	B-54-2	1416													
85	B-54-4	1417													
86	B-54-6	1418													
87	B-55-0.5	1429													
88	B-55-2	1430													
89	B-55-4	1431													
90	B-55-6	1432													
T.A.T. Request		QA/QC Report Level										COC OK		Initials	
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Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only						
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/9/2017</u>	<u>16:05</u>	<u>Dawn K</u>	<u>PBEL</u>	<u>5/9/17</u>	<u>16:05</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp. <u>30</u> °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A						



CHAIN OF CUSTODY RECORD

Log #: 15484
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Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015492

May 19, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-56-0.5

Lab ID: 0015492-01

Sampled: 05/10/17 08:06

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.41		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-56-2 **Lab ID:** 0015492-02 **Sampled:** 05/10/17 08:07
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.94		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-56-4 **Lab ID:** 0015492-03 **Sampled:** 05/10/17 08:08
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	6.11		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-56-6	Lab ID: 0015492-04	Sampled: 05/10/17 08:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.112	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-56-8	Lab ID: 0015492-05	Sampled: 05/10/17 08:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-56-10 **Lab ID:** 0015492-06 **Sampled:** 05/10/17 08:11
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.141	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-57-0.5

Lab ID: 0015492-07

Sampled: 05/10/17 08:19

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	2.74		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-57-2	Lab ID: 0015492-08	Sampled: 05/10/17 08:20
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.72		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-57-4 Lab ID: 0015492-09 Sampled: 05/10/17 08:21
Matrix: Soil Sampled By: Ed Rahrig Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	1.26		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/19/17	DL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-57-6 **Lab ID:** 0015492-10 **Sampled:** 05/10/17 08:22
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.33		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-57-8 **Lab ID:** 0015492-11 **Sampled:** 05/10/17 08:23
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.855		mg/kg dry	EPA 6020B	1	0.099	0.549	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-57-10	Lab ID: 0015492-12	Sampled: 05/10/17 08:24
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.909		mg/kg dry	EPA 6020B	1	0.099	0.549	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-59-12

Lab ID: 0015492-13

Sampled: 05/10/17 08:25

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.138	I	mg/kg dry	EPA 6020B	1	0.098	0.543	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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Edward G. Rahrig, PG LLC
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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-58-05	Lab ID: 0015492-14	Sampled: 05/10/17 08:30
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.08		mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-58-2	Lab ID: 0015492-15	Sampled: 05/10/17 08:31
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.54		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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ATTN: Ed Rahrig
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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-58-4
Matrix: Soil

Lab ID: 0015492-16
Sampled By: Ed Rahrig

Sampled: 05/10/17 08:32
Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.55		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17		05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17		05/15/17	DL



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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-58-6 **Lab ID:** 0015492-17 **Sampled:** 05/10/17 08:33
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.621		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-58-8 **Lab ID:** 0015492-18 **Sampled:** 05/10/17 08:34
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-58-10	Lab ID: 0015492-19	Sampled: 05/10/17 08:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.428	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-59-0.5	Lab ID: 0015492-20	Sampled: 05/10/17 08:48
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.53		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17		05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17		05/15/17	DL



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LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-59-2

Lab ID: 0015492-21

Sampled: 05/10/17 08:49

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.23		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-59-4	Lab ID: 0015492-22	Sampled: 05/10/17 08:50
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.89		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-59-6 **Lab ID:** 0015492-23 **Sampled:** 05/10/17 08:51
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.373	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-59-8 **Lab ID:** 0015492-24 **Sampled:** 05/10/17 08:52
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.119	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-59-10	Lab ID: 0015492-25	Sampled: 05/10/17 08:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-59-12	Lab ID: 0015492-26	Sampled: 05/10/17 08:54
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.094	U	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-60-0.5

Lab ID: 0015492-27

Sampled: 05/10/17 09:04

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	1.78		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-60-2	Lab ID: 0015492-28	Sampled: 05/10/17 09:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.35		mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-60-4	Lab ID: 0015492-29	Sampled: 05/10/17 09:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.93		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-60-6	Lab ID: 0015492-30	Sampled: 05/10/17 09:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.81		mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-60-8 **Lab ID:** 0015492-31 **Sampled:** 05/10/17 09:08
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.139	I	mg/kg dry	EPA 6020B	1	0.098	0.543	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-60-10 **Lab ID:** 0015492-32 **Sampled:** 05/10/17 09:09
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.270	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-61-0.5	Lab ID: 0015492-33	Sampled: 05/10/17 09:20
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.01		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-61-2 **Lab ID:** 0015492-34 **Sampled:** 05/10/17 09:21
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.47		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-61-4 **Lab ID:** 0015492-35 **Sampled:** 05/10/17 09:22
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.03		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-61-6 **Lab ID:** 0015492-36 **Sampled:** 05/10/17 09:23
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-61-8 **Lab ID:** 0015492-37 **Sampled:** 05/10/17 09:24
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-61-10 **Lab ID:** 0015492-38 **Sampled:** 05/10/17 09:25
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.094	U	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-62-0.5	Lab ID: 0015492-39	Sampled: 05/10/17 09:30
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.41		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-62-2

Lab ID: 0015492-40

Sampled: 05/10/17 09:31

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	1.10		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-62-4	Lab ID: 0015492-41	Sampled: 05/10/17 09:32
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.306	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-62-6 **Lab ID:** 0015492-42 **Sampled:** 05/10/17 09:33
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-62-8 **Lab ID:** 0015492-43 **Sampled:** 05/10/17 09:34
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-62-10	Lab ID: 0015492-44	Sampled: 05/10/17 09:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.28		mg/kg dry	EPA 6020B	1	0.101	0.562	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-63-0.5	Lab ID: 0015492-45	Sampled: 05/10/17 09:43
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.344	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-63-2 **Lab ID:** 0015492-46 **Sampled:** 05/10/17 09:44
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-63-4	Lab ID: 0015492-47	Sampled: 05/10/17 09:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.095	U	mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-63-6 **Lab ID:** 0015492-48 **Sampled:** 05/10/17 09:46
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.277	I	mg/kg dry	EPA 6020B	1	0.099	0.549	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-64-0.5 **Lab ID:** 0015492-49 **Sampled:** 05/10/17 09:54
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.345	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-64-2	Lab ID: 0015492-50	Sampled: 05/10/17 09:55
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.094	U	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-64-4	Lab ID: 0015492-51	Sampled: 05/10/17 09:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.151	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492

COC#: 24596,24621, 24620,24619,24618,24617

REPORTED: 5/19/2017 5:30:09PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: B-64-6

Lab ID: 0015492-52

Sampled: 05/10/17 09:57

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
7440-38-2	Arsenic	0.120	I	mg/kg dry	EPA 6020B	1	0.101	0.562	05/15/17	05/19/17	DL	

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-65-0.5	Lab ID: 0015492-53	Sampled: 05/10/17 10:03
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.43		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-65-2 **Lab ID:** 0015492-54 **Sampled:** 05/10/17 10:04
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.845		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-65-4	Lab ID: 0015492-55	Sampled: 05/10/17 10:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.096	U	mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-65-6 **Lab ID:** 0015492-56 **Sampled:** 05/10/17 10:06
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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CERTIFICATE OF ANALYSIS

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ATTN: Ed Rahrig
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LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-66-0.5	Lab ID: 0015492-57	Sampled: 05/10/17 10:12
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.64		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/19/17	DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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CERTIFICATE OF ANALYSIS

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632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-66-2 **Lab ID:** 0015492-58 **Sampled:** 05/10/17 10:13
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.61		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-66-4 **Lab ID:** 0015492-59 **Sampled:** 05/10/17 10:14
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	2.05		mg/kg dry	EPA 6020B	1	0.097	0.538	05/15/17	05/19/17	DL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015492
COC#: 24596,24621, 24620,24619,24618,24617
REPORTED: 5/19/2017 5:30:09PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-66-6 **Lab ID:** 0015492-60 **Sampled:** 05/10/17 10:15
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.683		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/19/17		DL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



CHAIN OF CUSTODY RECORD

Log #: 15492

PO #: _____

Quote #: _____

FDEP : _____

Company Name: <u>Edward G Rahrig P/L LLC</u>										LAB ANALYSIS										Matrix Codes				
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil				
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge				
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment				
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous				
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										AS										WW Waste Water NA Nonaqueous				
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water				
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	OK	Total # of containers													Press Codes			
																					A. None	E. HCL	O. Other	
1	B-56-0.5	806	5/10/17	50				1													B. HNO3	F. MeOH		
2	B-56-2	807																			C. H2SO4	G. Na2S2O3		
3	B-56-4	808																			D. NaOH	I. Ice		
4	B-56-6	809																						
5	B-56-8	810																						
6	B-56-10	811																						
7	B-57-0.5	819																						
8	B-57-2	820																						
9	B-57-4	821																						
10	B-57-6	822																						
Standard		RUSH		QA/QC Report Level						COC OK		Initials												
Y/N	24 Hour	48 Hour	Date Due:	None 1 2 3 Other						Ⓟ N		DL		IR Gun 502273										
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only															
	<u>AMJ</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>Dawn D Lee</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>																
Sample INTACT upon arrival?											Yes	No	N/A											
Received on Wet Ice? Temp _____											✓													
Proper Preservatives Indicated?											✓													
Received within holding time?											✓													
Custody seals intact?											✓													
Volatile rec'd without headspace?													✓											
Proper Containers Used?											✓													



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15492

PO #: _____

Quote #: _____

FDEP #: _____

Company Name: Edward G Rahrig P6 LLC		LAB ANALYSIS										Matrix Codes																															
Address: 632 SW Aster Rd		Parameters										<table border="0"> <tr> <td>SD</td><td>Solid Waste</td><td>OL</td><td>Oil</td> </tr> <tr> <td>GW</td><td>Ground Water</td><td>SL</td><td>Sludge</td> </tr> <tr> <td>EFF</td><td>Effluent</td><td>SO</td><td>Soil Sediment</td> </tr> <tr> <td>AFW</td><td>Analyte Free H2O</td><td>AQ</td><td>Aqueous</td> </tr> <tr> <td>WW</td><td>Waste Water</td><td>NA</td><td>Nonaqueous</td> </tr> <tr> <td>DW</td><td>Drinking Water</td><td></td><td></td> </tr> <tr> <td>SW</td><td>Surface Water</td><td>O</td><td>Other (Please Specify)</td> </tr> </table>				SD	Solid Waste	OL	Oil	GW	Ground Water	SL	Sludge	EFF	Effluent	SO	Soil Sediment	AFW	Analyte Free H2O	AQ	Aqueous	WW	Waste Water	NA	Nonaqueous	DW	Drinking Water			SW	Surface Water	O	Other (Please Specify)
SD	Solid Waste															OL	Oil																										
GW	Ground Water															SL	Sludge																										
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AFW	Analyte Free H2O															AQ	Aqueous																										
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SW	Surface Water	O	Other (Please Specify)																																								
City: PSL State: FL Zip: 34953																																											
Attn: Ed Rahrig Phone#: _____																																											
email: _____ Fax#: _____																																											
Project Name: Hillsboro Pines Proj#: 62102.02																																											
Sampler Signature / Name: Ed Rahrig / Ed Rahrig		<table border="1" style="width: 100%;"> <tr> <th colspan="3" style="text-align: center;">Press Codes</th> </tr> <tr> <td>A. None</td><td>E. HCL</td><td>O. Other</td> </tr> <tr> <td>B. HNO3</td><td>F. MeOH</td><td></td> </tr> <tr> <td>C. H2SO4</td><td>G. Na2S2O3</td><td></td> </tr> <tr> <td>D. NaOH</td><td>I. Ice</td><td></td> </tr> </table>										Press Codes			A. None	E. HCL	O. Other	B. HNO3	F. MeOH		C. H2SO4	G. Na2S2O3		D. NaOH	I. Ice																		
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D. NaOH	I. Ice																																										
#	Sample Label (Client ID)											Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																										
1	B-57-8											823	5/10/17	SO			1	AS																									
1	B-57-10											824																															
1	B-57-12											825																															
1	B-58-0.5	830																																									
1	B-58-2	831																																									
1	B-58-4	832																																									
1	B-58-6	833																																									
1	B-58-8	834																																									
1	B-58-10	835																																									
2	B-59-0.5	848																																									
TAT Request		QA/QC Report Level										COC OK		Initials																													
Standard	RUSH											None ___ 1 ___ 2 ___ 3 ___ Other ___		Y N																													
Y/N	24 Hour 48 Hour Date Due:											Y N		DL																													
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																		
	<i>Ed Rahrig</i>	Ed Rahrig	5/10/17	14:25	David Lowell	PBEL	5/10/17	14:25	<table border="0"> <tr> <td>Sample INTACT upon arrival?</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Received on Wet Ice? Temp. ^{°C}</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Proper Preservatives Included?</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Received within holding time?</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Custody seals intact?</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Volatile rec'd without headspace?</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td>Proper Containers Used?</td><td>Yes <input checked="" type="checkbox"/></td><td>No <input type="checkbox"/></td><td>N/A <input type="checkbox"/></td> </tr> </table>							Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Received on Wet Ice? Temp. ^{°C}	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Proper Preservatives Included?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Custody seals intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Volatile rec'd without headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Proper Containers Used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>																																								
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Proper Containers Used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>																																								



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15492

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil GW Ground Water SL Sludge EFF Effluent SO Soil Sediment AFW Analyte Free H2O AQ Aqueous WW Waste Water NA Nonaqueous DW Drinking Water SW Surface Water O Other (Please Specify)			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>													
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										Press Codes			
email: _____ Fax#: _____																				A. None E. HCL O. Other			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				B. HNO3 F. MeOH			
Sampler Signature / Name: <u>[Signature] / Ed Rahrig</u>										C. H2SO4 G. Na2S2O3													
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											D. NaOH I. Ice					
21	B-59-2	5/10/17	849	SO			1	45															
22	B-59-4		850																				
23	B-59-6	WF	851																				
24	B-59-8	852	852																				
25	B-59-10	853	853																				
26	B-59-12	854	854																				
27	B-60-015		904																				
28	B-60-2		905																				
29	B-60-4		906																				
30	B-60-86		907																				

T.A.T. Request		QA/QC Report Level				COC OK		Initials	
Standard	RUSH	None 1 2 3 Other				Y N		DL	
Y/N	24 Hour 48 Hour Date Due:								

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only			
	[Signature]	Ed Rahrig	5/10/17	14:25	Dawn Lee	PBEL	5/10/17	14:25	Sample INTACT upon arrival?	Yes	No	N/A
									Received on Wet Ice? Temp °C	36		
									Proper Preservatives Included?			
									Received within holding time?			
									Custody seals intact?			
									Volatile rec'd without headspace?			
									Proper Containers Used?			



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15492

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PG LLC</u>		LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE <u>I</u>										GW	Ground Water	SL	Sludge
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters										EFF	Effluent	SO	Soil Sediment
email: _____ Fax#: _____												AFW	Analyte Free H2O	AQ	Aqueous
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>		As										WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>												DW	Drinking Water		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers					SW	Surface Water	O	Other (Please Specify)
31	B-60-8	5/10/17	908	SO			1					Press Codes			
32	B-60-10		0909									A. None	E. HCL	O. Other	
33	B-61-0.5		920									B. HNO3	F. MeOH		
34	B-61-2		921									C. H2SO4	G. Na2S2O3		
35	B-61-4		922									D. NaOH	I. Ice		
36	B-61-6		923												
37	B-61-8		924												
38	B-61-10		925												
39	B-62-0.5		930												
40	B-62-2		931												
T.A.T. Request		QA/QC Report Level										COC OK		Initials	
Standard	RUSH	None <u>1</u> <u>2</u> <u>3</u> Other										<u>(Y)</u> N		<u>DL</u>	
Y/N	24 Hour 48 Hour	Date Due: _____													
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only						
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>David Lovell</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>	Sample INTACT upon arrival? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Received on Wet Ice? Temp. °C <u>36</u> <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Proper Preservatives Included? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Received within holding time? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Custody seals intact? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Volatile rec'd without headspace? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u> Proper Containers Used? <u>/</u> Yes <u>/</u> No <u>/</u> N/A <u>/</u>						



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15492

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PG LLC</u>				LAB ANALYSIS					Matrix Codes			
Address: <u>632 SW Astor Road</u>				pH							SD Solid Waste	OL Oil
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>				PRE CODE	<u>I</u>						GW Ground Water	SL Sludge
Attn: <u>Ed Rahrig</u> Phone#: _____				Parameters							EFF Effluent	SO Soil Sediment
email: _____ Fax#: _____											AFW Analyte Free H2O	AQ Aqueous
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>											WW Waste Water	NA Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>											DW Drinking Water	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers					
								<u>As</u>				
41	B-62-4	5/10/17	932	50			1					
42	B-62-6		933									
43	B-62-8		934									
44	B-62-10		935									
45	B-63-0.5		943									
46	B-63-2		944									
47	B-63-4		945									
48	B-63-6		946									
49	B-64-0.5		954									
50	B-64-2		955									
T.A.T. Request		QA/QC Report Level			COC OK		Initials					
Standard	RUSH											
Y/N	24 Hour 48 Hour Date Due:	None 1 2 3 Other			Ⓢ N		DL					
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only			
	<u>[Signature]</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>Dawn Hill</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>	Sample INTACT upon arrival?	Yes	No	N/A
									Received on Wet Ice? Temp. <u>26</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									Volatile rec'd without headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
									Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15492
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: Edward G Rahrig PG LLC										LAB ANALYSIS										Matrix Codes			
Address: 632 SW Aster Rd										pH										SD Solid Waste OL Oil			
City: W PSL State: FL Zip: 34953										PRES CODE I										GW Ground Water SL Sludge			
Attn: Ed Rahrig Phone#:					Parameters															EFF Effluent SO Soil Sediment			
email: _____ Fax#:																				AFW Analyte Free H2O AQ Aqueous			
Project Name: Hillsboro Pines Proj#: 62/02.02																				Press Codes			
Sampler Signature / Name: Ed Rahrig / Ed Rahrig																				DW Drinking Water NA Nonaqueous			
																				A. None E. HCL O. Other			
																				B. HNO3 F. MeOH			
																				C. H2SO4 G. Na2S2O3			
																				D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	AS															
S1	B-64-4	5/10/17	956	SO			1	✓															
S2	B-64-6		957					✓															
S3	B-65-0.5		1003					✓															
S4	B-65-2		1004					✓															
S5	B-65-4		1005					✓															
S6	B-65-6		1006					✓															
S7	B-66-0.5		1012					✓															
S8	B-66-2		1013					✓															
S9	B-66-4		1014					✓															
S10	B-66-6		1015					✓															
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard RUSH										None 1 2 3 Other										Y N		DL	
Y/N 24 Hour 48 Hour Date Due																							
Item	Received by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<i>Ed Rahrig</i>	Ed Rahrig	5/10/17	14:25	<i>Dawn Dyer</i>	PBEL	5/10/17	14:25															
										Sample INTACT upon arrival?										Yes	No	N/A	
										Received on Wet Ice? Temp ²⁶ °C										✓			
										Proper Preservatives Indigited?										✓			
										Received within holding time?										✓			
										Custody seals intact?										✓			
										Volatile rec'd without headspace?										✓		✓	
										Proper Containers Used?										✓			



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015493

May 19, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-67-0.5

Lab ID: 0015493-01

Sampled: 05/10/17 10:23

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.62		mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-67-2	Lab ID: 0015493-02	Sampled: 05/10/17 10:24
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.730		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-67-4

Lab ID: 0015493-03

Sampled: 05/10/17 10:25

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.76		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-67-6

Lab ID: 0015493-04

Sampled: 05/10/17 10:26

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.122	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-67-8	Lab ID: 0015493-05	Sampled: 05/10/17 10:27
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-67-10 **Lab ID:** 0015493-06 **Sampled:** 05/10/17 10:28
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-68-0.5

Lab ID: 0015493-07

Sampled: 05/10/17 10:41

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.98		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-68-2

Lab ID: 0015493-08

Sampled: 05/10/17 10:42

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.396	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-68-4

Lab ID: 0015493-09

Sampled: 05/10/17 10:43

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.626		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-68-6

Lab ID: 0015493-10

Sampled: 05/10/17 10:44

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.120	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-68-8

Lab ID: 0015493-11

Sampled: 05/10/17 10:45

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-69-0.5

Lab ID: 0015493-12

Sampled: 05/10/17 10:55

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.17		mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-69-2

Lab ID: 0015493-13

Sampled: 05/10/17 10:56

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
7440-38-2	Arsenic	0.371	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/15/17	SL	

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-69-4

Lab ID: 0015493-14

Sampled: 05/10/17 10:57

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-69-6 **Lab ID:** 0015493-15 **Sampled:** 05/10/17 10:58
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.098	U	mg/kg dry	EPA 6020B	1	0.098	0.543	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-69-8

Lab ID: 0015493-16

Sampled: 05/10/17 10:59

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.100	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-69-10

Lab ID: 0015493-17

Sampled: 05/10/17 11:00

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.87		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-70-0.5 **Lab ID:** 0015493-18 **Sampled:** 05/10/17 11:08
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.754		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-70-2

Lab ID: 0015493-19

Sampled: 05/10/17 11:09

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.856		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-70-4

Lab ID: 0015493-20

Sampled: 05/10/17 11:10

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.939		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-71-0.5	Lab ID: 0015493-21	Sampled: 05/10/17 11:19
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	10.3		mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-71-2

Lab ID: 0015493-22

Sampled: 05/10/17 11:20

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.81		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-71-4

Lab ID: 0015493-23

Sampled: 05/10/17 11:21

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.221	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-71-6 **Lab ID:** 0015493-24 **Sampled:** 05/10/17 11:22
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.644		mg/kg dry	EPA 6020B	1	0.097	0.538	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-71-8

Lab ID: 0015493-25

Sampled: 05/10/17 11:23

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.278	I	mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	05/15/17	DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-71-10

Lab ID: 0015493-26

Sampled: 05/10/17 11:24

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.135	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-71-12

Lab ID: 0015493-27

Sampled: 05/10/17 11:25

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.118	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-72-0.5	Lab ID: 0015493-28	Sampled: 05/10/17 11:39
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.64		mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-72-2

Lab ID: 0015493-29

Sampled: 05/10/17 11:40

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.54		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-72-4	Lab ID: 0015493-30	Sampled: 05/10/17 11:41
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.18		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



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LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-72-6 **Lab ID:** 0015493-31 **Sampled:** 05/10/17 11:42
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.52		mg/kg dry	EPA 6020B	1	0.094	0.521	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



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LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-72-8

Lab ID: 0015493-32

Sampled: 05/10/17 11:43

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.04		mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 FAX: -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-72-10

Lab ID: 0015493-33

Sampled: 05/10/17 11:44

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.952		mg/kg dry	EPA 6020B	1	0.096	0.532	05/15/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-72-12

Lab ID: 0015493-34

Sampled: 05/10/17 11:45

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.604		mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-73-0.5 **Lab ID:** 0015493-35 **Sampled:** 05/10/17 12:07
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.28		mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-73-2

Lab ID: 0015493-36

Sampled: 05/10/17 12:08

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.12		mg/kg dry	EPA 6020B	1	0.102	0.568	05/15/17	05/15/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-73-4	Lab ID: 0015493-37	Sampled: 05/10/17 12:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.39		mg/kg dry	EPA 6020B	1	0.095	0.526	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-73-6

Lab ID: 0015493-38

Sampled: 05/10/17 12:10

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.402	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/15/17	05/15/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493

COC#: 24616,24595,24592 & 24593

REPORTED: 5/19/2017 4:09:45PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-73-8

Lab ID: 0015493-39

Sampled: 05/10/17 12:11

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015493
COC#: 24616,24595,24592 & 24593
REPORTED: 5/19/2017 4:09:45PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-73-10	Lab ID: 0015493-40	Sampled: 05/10/17 12:12
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/10/17 14:25

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/15/17	05/15/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15493

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>				LAB ANALYSIS										Matrix Codes					
Address: <u>632 SW Aster Rd</u>				pH													SD Solid Waste	OL Oil	
City: <u>PSL</u>		State: <u>FL</u> Zip: <u>34953</u>		PRES CODE	<u>I</u>											GW Ground Water	SL Sludge		
Attn: <u>Ed Rahrig</u>		Phone#: _____		Parameters												EFF Effluent	SO Soil Sediment		
email: _____		Fax#: _____															AFW Analyte Free H2O	AQ Aqueous	
Project Name: <u>Hillsboro Pines</u>		Proj#: <u>62102.02</u>															WW Waste Water	NA Nonaqueous	
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																DW Drinking Water	Other (Please Specify)		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integ.	OK	Total # of containers								Press Codes			
									<u>As</u>							A. None	E. HCL	O. Other	
<u>1</u>	<u>B-67-0.5</u>	<u>5/10/17</u>	<u>1023</u>	<u>SO</u>				<u>1</u>								B. HNO3	F. MeOH		
<u>2</u>	<u>B-67-2</u>		<u>1024</u>													C. H2SO4	G. Na2S2O3		
<u>3</u>	<u>B-67-4</u>		<u>1025</u>													D. NaOH	I. Ice		
<u>4</u>	<u>B-67-6</u>		<u>1026</u>																
<u>5</u>	<u>B-67-8</u>		<u>1027</u>																
<u>6</u>	<u>B-67-10</u>		<u>1028</u>																
<u>7</u>	<u>B-68-0.5</u>		<u>1041</u>																
<u>8</u>	<u>B-68-2</u>		<u>1042</u>																
<u>9</u>	<u>B-68-4</u>		<u>1043</u>																
<u>10</u>	<u>B-68-6</u>		<u>1044</u>																
T.A.T. Request				QA/QC Report Level				COC OK	Initials										
Standard	<u>RUSH</u>							<u>(Y)</u> N	<u>PS</u>										
Y/N	<u>24 Hour</u> <u>48 Hour</u> Date Due:			None <u>1</u> <u>2</u> <u>3</u> Other															
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only										
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp. <u>3.2</u> °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A										



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes		
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil		
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>E</u>										GW Ground Water SL Sludge		
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment		
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous		
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										As										WW Waste Water NA Nonaqueous		
Sampler Signature / Name: <u>Ed Rahrig</u>																				DW Drinking Water		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # Containers											SW Surface Water O Other (Please Specify)				
11	B-68-8	5/10/17	1045	50			1											Press Codes				
12	B-69-0.5		1055															A. None E. HCL O. Other				
13	B-69-2		1056															B. HNO3 F. MeOH				
14	B-69-4		1057															C. H2SO4 G. Na2S2O3				
15	B-69-6		1058															D. NaOH I. Ice				
16	B-69-8		1059																			
17	B-69-10		1100																			
18	B-70-0.5		1108																			
19	B-70-2		1109																			
20	B-70-4		1110																			
Standard		TAT Request		QA/QC Report Level					COC OK		Initials											
Y/N	24 Hour 48 Hour	Date Due:	None 1 2 3 Other					Y N		RS												
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only													
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>														
									Sample INTACT upon arrival?	Yes	No	N/A										
									Received on Wet Ice? Temp. °C	✓												
									Proper Preservatives Indicated?	✓												
									Received within holding time?	✓												
									Custody seals intact?	✓												
									Volatile rec'd without headspace?	✓												
									Proper Containers Used?	✓												



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>5</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#:										Parameters										EFF Effluent SO Soil Sediment			
email: Fax#:																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pine</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water			
																				SW Surface Water O Other (Please Specify)			
																				Press Codes			
																				A. None E. HCL O. Other			
																				B. HNO3 F. MeOH			
																				C. H2SO4 G. Na2S2O3			
																				D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers																
21	B-70-6	5/10/17	1119	50			1	AS															
22	B-71-05		1120					✓															
23	B-71-2		1121					✓															
24	B-71-4		1122					✓															
25	B-71-6		1123					✓															
26	B-71-8		1124					✓															
27	B-71-10		1125					✓															
28	B-71-12		1139					✓															
29	B-72-0.5		1140					✓															
30	B-72-2		1141					✓															
30	B-72-4							✓															
Standard		T.A.T. Request		QA/QC Report Level						COC OK		Initials											
Y/N		24 Hour RUSH 48 Hour Date Due:		None 1 2 3 Other						Y N AS													
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>															
								Sample INTACT upon arrival?	Yes	No	N/A												
								Received on Wet Ice? Temp	✓														
								Proper Preservatives Indicated?	✓														
								Received within holding time?	✓														
								Custody seals intact?	✓														
								Volatile rec'd without headspace?	✓														
								Proper Containers Used?	✓														



CHAIN OF CUSTODY RECORD

Log #: 15493

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PG LLC</u>		LAB ANALYSIS										Matrix Codes					
Address: <u>632-SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil		
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE										GW	Ground Water	SL	Sludge		
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters										EFF	Effluent	SO	Soil Sediment		
email: _____ Fax#: _____												AFW	Analyte Free H2O	AQ	Aqueous		
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62402.02</u>		AS										WW	Waste Water	NA	Nonaqueous		
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>												DW	Drinking Water	Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers	Press Codes				A.	None	E.	HCL	O.	Other
31	B-72-6	5/10/17	1142	SO			1										
32	B-72-8		1143														
33	B-72-10		1144														
34	B-72-12		1145														
35	B-73-0.5		1207														
36	B-73-2		1208														
37	B-73-4		1209														
38	B-73-6		1210														
39	B-73-8		1211														
40	B-73-10		1212														
Standard		T.A.T. Request		QA/QC Report Level						COC OK		Initials					
Y/N	24 Hour 48 Hour Date Due:	RUSH		None 1 2 3 Other						(Y) N PS							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only								
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/10/17</u>	<u>14:25</u>	<u>Pa L</u>	<u>PBEL</u>	<u>5/10/17</u>	<u>14:25</u>	Sample INTACT upon arrival?	Yes	No	N/A					
									Received on Wet Ice? Temp. °C	✓							
									Proper Preservatives Included?	✓							
									Received within holding time?	✓							
									Custody seals intact?	✓							
									Volatile rec'd without headspace?	✓							
									Proper Containers Used?	✓							



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015495

May 22, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-74-0.5	Lab ID: 0015495-01	Sampled: 05/11/17 09:01
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.00		mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-74-2	Lab ID: 0015495-02	Sampled: 05/11/17 09:02
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.183	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-74-4	Lab ID: 0015495-03	Sampled: 05/11/17 09:03
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.095	U	mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-74-6 **Lab ID:** 0015495-04 **Sampled:** 05/11/17 09:04
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.513	I	mg/kg dry	EPA 6020B	1	0.098	0.543	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-75-0.5	Lab ID: 0015495-05	Sampled: 05/11/17 09:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.41		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-75-2	Lab ID: 0015495-06	Sampled: 05/11/17 09:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.670		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495

COC#: 24594, 24624, 24625,24626,24627,24628,2

REPORTED: 5/22/2017 2:27:44PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-75-4

Lab ID: 0015495-07

Sampled: 05/11/17 09:11

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	1.20		mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-75-6 **Lab ID:** 0015495-08 **Sampled:** 05/11/17 09:12
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.399	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-75-8	Lab ID: 0015495-09	Sampled: 05/11/17 09:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.144	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-75-10	Lab ID: 0015495-10	Sampled: 05/11/17 09:14
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.324	I	mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-75-12	Lab ID: 0015495-11	Sampled: 05/11/17 09:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.128	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-76-0.5 **Lab ID:** 0015495-12 **Sampled:** 05/11/17 09:33
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	4.01		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-76-2	Lab ID: 0015495-13	Sampled: 05/11/17 09:34
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.65		mg/kg dry	EPA 6020B	1	0.101	0.562	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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Edward G. Rahrig, PG LLC
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-76-4	Lab ID: 0015495-14	Sampled: 05/11/17 09:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.099	U	mg/kg dry	EPA 6020B	1	0.099	0.549	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-76-6 **Lab ID:** 0015495-15 **Sampled:** 05/11/17 09:36
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.094	U	mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-77-0.5 **Lab ID:** 0015495-16 **Sampled:** 05/11/17 09:37
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	5.77		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-77-2 **Lab ID:** 0015495-17 **Sampled:** 05/11/17 09:56
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.37		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-77-4	Lab ID: 0015495-18	Sampled: 05/11/17 09:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-77-6	Lab ID: 0015495-19	Sampled: 05/11/17 09:58
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.120	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-78-0.5	Lab ID: 0015495-20	Sampled: 05/11/17 10:04
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.04		mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-78-2	Lab ID: 0015495-21	Sampled: 05/11/17 10:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.08		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-78-4	Lab ID: 0015495-22	Sampled: 05/11/17 10:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.145	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-78-6	Lab ID: 0015495-23	Sampled: 05/11/17 10:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.01		mg/kg dry	EPA 6020B	1	0.098	0.543	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-0.5	Lab ID: 0015495-24	Sampled: 05/11/17 10:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.34		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-2	Lab ID: 0015495-25	Sampled: 05/11/17 10:17
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.27		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-4	Lab ID: 0015495-26	Sampled: 05/11/17 10:18
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.73		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-6	Lab ID: 0015495-27	Sampled: 05/11/17 10:19
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-8 **Lab ID:** 0015495-28 **Sampled:** 05/11/17 10:20
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.550		mg/kg dry	EPA 6020B	1	0.096	0.532	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-10	Lab ID: 0015495-29	Sampled: 05/11/17 10:21
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.39		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-12	Lab ID: 0015495-30	Sampled: 05/11/17 10:22
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.74		mg/kg dry	EPA 6020B	1	0.105	0.581	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-80-0.5	Lab ID: 0015495-31	Sampled: 05/11/17 10:31
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.36		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-80-2	Lab ID: 0015495-32	Sampled: 05/11/17 10:32
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.78		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-80-4	Lab ID: 0015495-33	Sampled: 05/11/17 10:33
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.02		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-80-6	Lab ID: 0015495-34	Sampled: 05/11/17 10:34
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.512	I	mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-80-8	Lab ID: 0015495-35	Sampled: 05/11/17 10:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.260	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-81-0.5	Lab ID: 0015495-36	Sampled: 05/11/17 10:50
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.27		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-81-2 **Lab ID:** 0015495-37 **Sampled:** 05/11/17 10:51
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.825		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17		DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-81-4	Lab ID: 0015495-38	Sampled: 05/11/17 10:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.12		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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Edward G. Rahrig, PG LLC
632 S.W. Aster Road
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-81-6	Lab ID: 0015495-39	Sampled: 05/11/17 10:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-0.5	Lab ID: 0015495-40	Sampled: 05/11/17 11:03
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.38		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-2	Lab ID: 0015495-41	Sampled: 05/11/17 11:04
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.25		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-4	Lab ID: 0015495-42	Sampled: 05/11/17 11:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.525		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-6	Lab ID: 0015495-43	Sampled: 05/11/17 11:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.893		mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-8	Lab ID: 0015495-44	Sampled: 05/11/17 11:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-83-0.5 **Lab ID:** 0015495-45 **Sampled:** 05/11/17 11:14
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	8.11		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-83-2	Lab ID: 0015495-46	Sampled: 05/11/17 11:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.31		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-83-4	Lab ID: 0015495-47	Sampled: 05/11/17 11:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.31		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 FAX: -

LOG #: 0015495

COC#: 24594, 24624, 24625,24626,24627,24628,2

REPORTED: 5/22/2017 2:27:44PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-83-6

Lab ID: 0015495-48

Sampled: 05/11/17 11:17

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.179	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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Edward G. Rahrig, PG LLC
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-83-8 **Lab ID:** 0015495-49 **Sampled:** 05/11/17 11:18
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.103	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-83-10	Lab ID: 0015495-50	Sampled: 05/11/17 11:19
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-84-0.5	Lab ID: 0015495-51	Sampled: 05/11/17 11:25
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.416	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-84-2	Lab ID: 0015495-52	Sampled: 05/11/17 11:26
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.131	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-84-4	Lab ID: 0015495-53	Sampled: 05/11/17 11:27
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495

COC#: 24594, 24624, 24625,24626,24627,24628,2

REPORTED: 5/22/2017 2:27:44PM

PROJECT #: 62102.02

PROJECT: Hillsboro Pines GC

Description: B-84-6

Lab ID: 0015495-54

Sampled: 05/11/17 11:28

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-85-0.5	Lab ID: 0015495-55	Sampled: 05/11/17 11:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.930		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-85-2	Lab ID: 0015495-56	Sampled: 05/11/17 11:36
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.145	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-85-4	Lab ID: 0015495-57	Sampled: 05/11/17 11:37
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-85-6	Lab ID: 0015495-58	Sampled: 05/11/17 11:38
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	11.1		mg/kg dry	EPA 6020B	1	0.096	0.532	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-86-0.5	Lab ID: 0015495-59	Sampled: 05/11/17 11:51
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.48		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-86-2	Lab ID: 0015495-60	Sampled: 05/11/17 11:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.36		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-86-4	Lab ID: 0015495-61	Sampled: 05/11/17 11:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.45		mg/kg dry	EPA 6020B	1	0.095	0.526	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-86-6	Lab ID: 0015495-62	Sampled: 05/11/17 11:54
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.146	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL	



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Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-86-8	Lab ID: 0015495-63	Sampled: 05/11/17 11:55
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.95		mg/kg dry	EPA 6020B	1	0.098	0.543	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-0.5	Lab ID: 0015495-64	Sampled: 05/11/17 12:01
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.97		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-2	Lab ID: 0015495-65	Sampled: 05/11/17 12:02
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.11		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-4	Lab ID: 0015495-66	Sampled: 05/11/17 12:03
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.111	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-6	Lab ID: 0015495-67	Sampled: 05/11/17 12:04
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.245	I	mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-0.5	Lab ID: 0015495-68	Sampled: 05/11/17 12:14
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	6.36		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-2	Lab ID: 0015495-69	Sampled: 05/11/17 12:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.748		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-4	Lab ID: 0015495-70	Sampled: 05/11/17 12:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.154	I	mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953

ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-6	Lab ID: 0015495-71	Sampled: 05/11/17 12:17
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	U	mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-8	Lab ID: 0015495-72	Sampled: 05/11/17 12:18
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.102	U	mg/kg dry	EPA 6020B	1	0.102	0.568	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-10	Lab ID: 0015495-73	Sampled: 05/11/17 12:19
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	5.07		mg/kg dry	EPA 6020B	1	0.101	0.562	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-12	Lab ID: 0015495-74	Sampled: 05/11/17 12:20
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.65		mg/kg dry	EPA 6020B	1	0.092	0.510	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015495
COC#: 24594, 24624, 24625,24626,24627,24628,
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-10	Lab ID: 0015495-75	Sampled: 05/11/17 11:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/11/17 14:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.10		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15495
PO #: _____
Quote #: _____
FDEP: _____

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS								Matrix Codes												
Address: <u>6325W Aster Rd</u>										pH											SD	Solid Waste	OL	Oil						
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE	<u>I</u>											GW	Ground Water	SL	Sludge					
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters														EFF	Effluent	SO	Soil Sediment			
email: _____ Fax#: _____																									AFW	Analyte Free H2O	AQ	Aqueous		
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																											WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig Ed Rahrig</u>																												DW	Drinking Water	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filled	Integrity OK	Total # of containers															Press Codes								
1	B-74-0.5	5/11/17	0901	SO			1															A. None	E. HCL	O. Other						
2	B-74-2		0902																			B. HNO3	F. MeOH							
3	B-74-4		0903																			C. H2SO4	G. Na2S2O3							
4	B-74-6		0904																			D. NaOH	I. Ice							
5	B-75-0.5		909																											
6	B-75-2		910																											
7	B-75-4		911																											
8	B-75-6		912																											
9	B-75-8		913																											
10	B-75-10		914																											

T.A.T Request		QA/QC Report Level				COC OK	Initials
Standard	RUSH						
Y/N	24 Hour 48 Hour Date Due:	None	1	2	3	Other	

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/11/17</u>	<u>1400</u>	<u>John Don</u>	<u>PBEL</u>	<u>05/11/17</u>	<u>1400</u>	

	Yes	No	N/A
Sample INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received on Wet Ice? Temp _____ C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC		LAB ANALYSIS										Matrix Codes					
Address: 632 SW Astor Rd		pH										SD Solid Waste OL Oil					
City: PSL State: FL Zip: 34953		PRES CODE I										GW Ground Water SL Sludge					
Attn: Ed Rahrig Phone#: _____		Parameters										EFF Effluent SO Soil Sediment					
email: _____ Fax#: _____												AFW Analyte Free H2O AQ Aqueous					
Project Name: Hillsboroughines Proj#: 62102.02												WW Waste Water NA Nonaqueous					
Sampler Signature / Name: [Signature]		DW Drinking Water				SW Surface Water O Other (Please Specify)											
												Press Codes					
												A. None E. HCL O. Other					
												B. HNO3 F. MeOH					
												C. H2SO4 G. Na2S2O3					
												D. NaOH I. Ice					
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers										
11	B-75-12	5/11/17	915	SO			1	AS ✓									
12	B-76-0.5		933					✓									
13	B-76-2		934					✓									
14	B-76-4		935					✓									
15	B-76-6		936					✓									
16	B-76-77-0.5		937					✓									
17	B-77-2		956					✓									
18	B-77-4		957					✓									
19	B-77-6		958					✓									
20	B-78-0.5		1004					✓									
T.A.T. Request		QA/QC Report Level										COC OK		Initials			
Standard RUSH		None 1 2 3 Other										(Y) N		EM			
Y/N 24 Hour 48 Hour Date Due:																	
Item	Received by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only								
	[Signature]	Ed Rahrig	5/11/17	1400	John Dow	PBEL	05/11/17	1400	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
									Received on Wet Ice? Temp. °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
									Proper Preservatives Initiated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
									Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
									Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
									Volatile rec'd without headspace? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A								
									Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								

ER



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>		LAB ANALYSIS										Matrix Codes				
Address: <u>632 SW Astor Rd</u>		pH										SD	Solid Waste	OL	Oil	
City: <u>PSC</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE	<u>I</u>										GW	Ground Water	SL	Sludge
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters											EFF	Effluent	SO	Soil Sediment
email: _____ Fax#: _____													AFW	Analyte Free H2O	AO	Aqueous
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>													WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig</u>												DW	Drinking Water			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers					SW	Surface Water	O	Other (Please Specify)	
								<u>As</u>					Press Codes			
													A. None	E. HCL	O. Other	
													B. HNO3	F. MeOH		
													C. H2SO4	G. Na2S2O3		
													D. NaOH	I. Ice		
21	B-78-2	5/11/17	1005	SO			1									
22	B-78-4		1006													
23	B-78-6		1007													
24	B-79-0.5		1016													
25	B-79-2		1017													
26	B-79-4		1018													
27	B-79-6		1019													
28	B-79-8		1020													
29	B-79-10		1021													
30	B-79-12		1022													

Standard		RUSH		QA/QC Report Level					COC OK	Initials	
Y/N	24 Hour	48 Hour	Date Due:	None	1	2	3	Other	(Y) N	on	
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only		
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/11/17</u>	<u>1400</u>	<u>Alan Don</u>	<u>PBEL</u>	<u>05/11/17</u>	<u>1400</u>	Sample INTACT upon arrival?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
									Received on Wet Ice? Temp <u>4°C</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
									Proper Preservatives Indicated?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
									Received within holding time?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
									Custody seals intact?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
									Volatile rec'd without headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
									Proper Containers Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers	AS										Press Codes					
31	B-80-0.5	5/11/17	1031	SD			1	✓										A. None E. HCL O. Other					
32	B-80-2		1032					✓										B. HNO3 F. MeOH					
33	B-80-4		1033					✓										C. H2SO4 G. Na2S2O3					
34	B-80-6		1034					✓										D. NaOH I. Ice					
35	B-80-8		1035					✓															
36	B-81-0.5		1050					✓															
37	B-81-2		1051					✓															
38	B-81-4		1052					✓															
39	B-81-6		1053					✓															
40	B-82-0.5	✓	1103	✓				✓															
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard _____ RUSH _____										None 1 2 3 Other _____										(Y) N		EM	
Y/N _____ 24 Hour _____ 48 Hour _____ Date Due: _____																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/11/17</u>	<u>1400</u>	<u>John Dan</u>	<u>PBEL</u>	<u>05/11/17</u>	<u>1400</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp. <u>4°C</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														



CHAIN OF CUSTODY RECORD

Company Name		LAB ANALYSIS										Matrix Codes					
Edward G Rahrig P6 LLC												SD Solid Waste OL Oil GW Ground Water SL Sledge EFF Effluent SO Soil Sediment AFW Analyte Free H2O AQ Aqueous WW Waste Water NA Nonaqueous DW Drinking Water SW Surface Water O Other (Please Specify)					
Address: 632 SW Aster Rd		pH															
City: PSL State: FL Zip: 34953		PRES CODE										I					
Attn: Ed Rahrig Phone#:		Parameters															
email: Fax#:																	
Project Name: Hillsboro Pines Proj#: 62102.02												Press Codes					
Sampler Signature / Name: Ed Rahrig												A. None E. HCL O. Other B. HNO3 F. MeOH C. H2SO4 G. Na2S2O3 D. NaOH I. Ice					
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers										
41	B-82-2	5/11/17	1104	SO			1	As									
42	B-82-4		1105					✓									
43	B-82-6		1106					✓									
44	B-82-8		1107					✓									
45	B-83-0.5		1114					✓									
46	B-83-2		1115					✓									
47	B-83-4		1116					✓									
48	B-83-6		1117					✓									
49	B-83-8		1118					✓									
50	B-83-10		1119					✓									
T.A.T. Request		QA/QC Report Level						COC OK		Initials							
Standard RUSH		None 1 2 3 Other						Y N		SM							
Y/N 24 Hour 48 Hour Date Due:																	
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only								
	<i>[Signature]</i>	Ed Rahrig	5/11/17	1400	<i>[Signature]</i>	PBEL	05/11/17	1400									
									Sample INTACT upon arrival?	Yes	No	N/A					
									Received on Wet Ice? Temp: °C	✓							
									Proper Preservatives Indicated?	✓							
									Received within holding time?	✓							
									Custody seals intact?	✓							
									Volatile rec'd without headspace?	✓			✓				
									Proper Containers Used?	✓							



CHAIN OF CUSTODY RECORD

Log #: 15495

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig</u>																				DW Drinking Water			
																				SW Surface Water O Other (Please Specify)			
																				Press Codes			
																				A. None E. HCL O. Other			
																				B. HNO3 F. MeOH			
																				C. H2SO4 G. Na2S2O3			
																				D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																
51	B-84-0.5	5/11/17	1125	SO			1	AS ✓															
52	B-84-2		1126					✓															
53	B-84-4		1127					✓															
54	B-84-6		1128					✓															
55	B-85-0.5		1135					✓															
56	B-85-2		1136					✓															
57	B-85-4		1137					✓															
58	B-85-6		1138					✓															
59	B-86-0.5		1151					✓															
60	B-86-2		1152					✓															
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard _____ RUSH _____										None 1 2 3 Other _____										Ⓢ N		DM	
Y/N _____ 24 Hour _____ 48 Hour _____ Date/Time: _____																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/11/17</u>	<u>1400</u>	<u>Adrian</u>	<u>OS/11/17</u>	<u>1400</u>		Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
						<u>P/BEL</u>	<u>05/11/17</u>	<u>1400</u>	Received on Wet Ice? Temp. _____ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														
									Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes																																																																																	
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																																																																																	
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																																																																																	
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																																																																																	
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																																																																																	
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.02</u>										AS										WW Waste Water NA Nonaqueous																																																																																	
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water																																																																																	
<table border="1"> <thead> <tr> <th>#</th> <th>Sample Label (Client ID)</th> <th>Collect Date</th> <th>Collect Time</th> <th>Matrix</th> <th>Field Filtered</th> <th>Integr OK</th> <th>Total # of containers</th> </tr> </thead> <tbody> <tr><td>61</td><td>B-86-4</td><td>5/11/17</td><td>1153</td><td>SO</td><td></td><td></td><td>1</td></tr> <tr><td>62</td><td>B-86-6</td><td></td><td>1154</td><td></td><td></td><td></td><td></td></tr> <tr><td>63</td><td>B-86-8</td><td></td><td>1155</td><td></td><td></td><td></td><td></td></tr> <tr><td>64</td><td>B-87-0.5</td><td></td><td>1201</td><td></td><td></td><td></td><td></td></tr> <tr><td>65</td><td>B-87-2</td><td></td><td>1202</td><td></td><td></td><td></td><td></td></tr> <tr><td>66</td><td>B-87-4</td><td></td><td>1203</td><td></td><td></td><td></td><td></td></tr> <tr><td>67</td><td>B-87-6</td><td></td><td>1204</td><td></td><td></td><td></td><td></td></tr> <tr><td>68</td><td>B-88-0.5</td><td></td><td>1214</td><td></td><td></td><td></td><td></td></tr> <tr><td>69</td><td>B-88-2</td><td></td><td>1215</td><td></td><td></td><td></td><td></td></tr> <tr><td>70</td><td>B-88-4</td><td></td><td>1216</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integr OK	Total # of containers	61	B-86-4	5/11/17	1153	SO			1	62	B-86-6		1154					63	B-86-8		1155					64	B-87-0.5		1201					65	B-87-2		1202					66	B-87-4		1203					67	B-87-6		1204					68	B-88-0.5		1214					69	B-88-2		1215					70	B-88-4		1216					SW Surface Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integr OK	Total # of containers																																																																																														
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Standard RUSH										None <u>1</u> <u>2</u> <u>3</u> Other										(Y) N		<u>ER</u>																																																																															
Y/N 24 Hour 48 Hour Date Due:																																																																																																					
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CHAIN OF CUSTODY RECORD

Company Name: Edward G. Rahrig PG LLC										LAB ANALYSIS										Matrix Codes			
Address: 632 SW Aster Rd										pH										SD Solid Waste OL Oil			
City: PSL State: FL Zip: 34953										PRES CODE I										GW Ground Water SL Sludge			
Attn: Ed Rahrig Phone#:										Parameters										EFF Effluent SO Soil Sediment			
email: Fax#:																				AFW Analyte Free H2O AQ Aqueous			
Project Name Hillsboro Pines Proj#: 62402.02																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name Ed Rahrig / Ed Rahrig																				DW Drinking Water			
																				SW Surface Water O Other (Please Specify)			
																				Press Codes			
																				A. None E. HCL O. Other			
																				B. HNO3 F. MeOH			
																				C. H2SO4 G. Na2S2O3			
																				D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																
71	B-88-6	5/11/17	1217	SO			1	AS ✓															
72	B-88-8		1218					✓															
73	B-88-10		1219					✓															
74	B-88-12		1220					✓															
75	B-82-10	5/11	11:08					✓															
6																							
7																							
8																							
9																							
0																							
T.A.T. Request		QA/QC Report Level						COC OK		Initials													
Standard	RUSH	None 1 2 3 Other						Y N		DM													
Y/N	24 Hour 48 Hour Date Due:																						
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	Ed Rahrig	Ed Rahrig	5/11/17	1400	Adm Don	PBEL	05/11/17	1400	Sample INTACT upon arrival?	Yes	No	N/A											
									Received on Wet Ice? Term	✓													
									Proper Preservatives Indicated?	✓													
									Received within holding time?	✓													
									Custody seals intact?	✓													
									Volatile rec'd without headspace?	✓		✓											
									Proper Containers Used?	✓													



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015512

July 05, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607.24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-0.5	Lab ID: 0015512-01	Sampled: 05/16/17 09:48
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	16.8		mg/kg dry	EPA 6020B	1	0.093	0.412	05/18/17	05/18/17	SL	

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.07	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607.24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-2	Lab ID: 0015512-02	Sampled: 05/16/17 09:49
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.76		mg/kg dry	EPA 6020B	1	0.093	0.412	05/18/17	05/18/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.01	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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CERTIFICATE OF ANALYSIS

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632 S.W. Aster Road
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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-4	Lab ID: 0015512-03	Sampled: 05/16/17 09:50
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.593		mg/kg dry	EPA 6020B	1	0.099	0.440	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-6	Lab ID: 0015512-04	Sampled: 05/16/17 09:51
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.373	I	mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-8	Lab ID: 0015512-05	Sampled: 05/16/17 09:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.124	I	mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-10	Lab ID: 0015512-06	Sampled: 05/16/17 09:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.118	I	mg/kg dry	EPA 6020B	1	0.095	0.421	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-15	Lab ID: 0015512-07	Sampled: 05/16/17 09:54
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.101	U	mg/kg dry	EPA 6020B	1	0.101	0.449	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-20	Lab ID: 0015512-08	Sampled: 05/16/17 09:55
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.174	I	mg/kg dry	EPA 6020B	1	0.103	0.460	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

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Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512

COC#: 24631, 24606,24607,24608,24609,24610

REPORTED: 7/5/2017 3:42:17PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-1-25

Lab ID: 0015512-09

Sampled: 05/16/17 09:56

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.129	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-30	Lab ID: 0015512-10	Sampled: 05/16/17 09:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.117	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-1-35	Lab ID: 0015512-11	Sampled: 05/16/17 09:58
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.102	U	mg/kg dry	EPA 6020B	1	0.102	0.455	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-0.5 **Lab ID:** 0015512-12 **Sampled:** 05/16/17 10:35
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	23.7		mg/kg dry	EPA 6020B	1	0.092	0.408	05/18/17	05/18/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17		DL



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Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-2	Lab ID: 0015512-13	Sampled: 05/16/17 10:36
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	6.98		mg/kg dry	EPA 6020B	1	0.092	0.408	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-4	Lab ID: 0015512-14	Sampled: 05/16/17 10:37
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.30		mg/kg dry	EPA 6020B	1	0.092	0.408	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-6 **Lab ID:** 0015512-15 **Sampled:** 05/16/17 10:38
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.473		mg/kg dry	EPA 6020B	1	0.093	0.412	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-8	Lab ID: 0015512-16	Sampled: 05/16/17 10:39
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.121	I	mg/kg dry	EPA 6020B	1	0.093	0.412	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-10	Lab ID: 0015512-17	Sampled: 05/16/17 10:40
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.160	I	mg/kg dry	EPA 6020B	1	0.095	0.421	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512

COC#: 24631, 24606,24607,24608,24609,24610

REPORTED: 7/5/2017 3:42:17PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-2-15

Lab ID: 0015512-18

Sampled: 05/16/17 10:41

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.096	U	mg/kg dry	EPA 6020B	1	0.096	0.426	05/18/17	05/18/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512

COC#: 24631, 24606,24607,24608,24609,24610

REPORTED: 7/5/2017 3:42:17PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-2-20

Lab ID: 0015512-19

Sampled: 05/16/17 10:42

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.214	I	mg/kg dry	EPA 6020B	1	0.102	0.455	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-25	Lab ID: 0015512-20	Sampled: 05/16/17 10:43
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.126	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-30	Lab ID: 0015512-21	Sampled: 05/16/17 10:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.229	I	mg/kg dry	EPA 6020B	1	0.106	0.471	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-2-35	Lab ID: 0015512-22	Sampled: 05/16/17 10:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.145	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-0.5 **Lab ID:** 0015512-23 **Sampled:** 05/16/17 11:35
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	17.1		mg/kg dry	EPA 6020B	1	0.092	0.408	05/18/17	05/18/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17		DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-2	Lab ID: 0015512-24	Sampled: 05/16/17 11:36
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.98		mg/kg dry	EPA 6020B	1	0.092	0.408	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-4	Lab ID: 0015512-25	Sampled: 05/16/17 11:37
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.31		mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-6	Lab ID: 0015512-26	Sampled: 05/16/17 11:38
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.642		mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-8 **Lab ID:** 0015512-27 **Sampled:** 05/16/17 11:39
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.205	I	mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-10	Lab ID: 0015512-28	Sampled: 05/16/17 11:40
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.408	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3-15	Lab ID: 0015512-29	Sampled: 05/16/17 11:41
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.379	I	mg/kg dry	EPA 6020B	1	0.100	0.444	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3--20	Lab ID: 0015512-30	Sampled: 05/16/17 11:42
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.633		mg/kg dry	EPA 6020B	1	0.103	0.460	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3--25	Lab ID: 0015512-31	Sampled: 05/16/17 11:43
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.105	U	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3--30	Lab ID: 0015512-32	Sampled: 05/16/17 11:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.189	I	mg/kg dry	EPA 6020B	1	0.106	0.471	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-3--35 **Lab ID:** 0015512-33 **Sampled:** 05/16/17 11:45
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.103	U	mg/kg dry	EPA 6020B	1	0.103	0.460	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-0.5 **Lab ID:** 0015512-34 **Sampled:** 05/16/17 13:01
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	5.86		mg/kg dry	EPA 6020B	1	0.093	0.412	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-2	Lab ID: 0015512-35	Sampled: 05/16/17 13:02
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.46		mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-4 **Lab ID:** 0015512-36 **Sampled:** 05/16/17 13:03
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.512		mg/kg dry	EPA 6020B	1	0.093	0.412	05/18/17	05/18/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17		DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-10	Lab ID: 0015512-39	Sampled: 05/16/17 13:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.415	I	mg/kg dry	EPA 6020B	1	0.098	0.435	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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LOG #: 0015512
COC#: 24631, 24606,24607.24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-15	Lab ID: 0015512-40	Sampled: 05/16/17 13:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.167	I	mg/kg dry	EPA 6020B	1	0.103	0.460	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-20 **Lab ID:** 0015512-41 **Sampled:** 05/16/17 13:08
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.224	I	mg/kg dry	EPA 6020B	1	0.106	0.471	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-25	Lab ID: 0015512-42	Sampled: 05/16/17 13:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.231	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-4-30	Lab ID: 0015512-43	Sampled: 05/16/17 13:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.435	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607.24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-0.5 **Lab ID:** 0015512-44 **Sampled:** 05/16/17 13:51
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	10.2		mg/kg dry	EPA 6020B	1	0.094	0.417	05/18/17	05/18/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.05	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



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LOG #: 0015512
COC#: 24631, 24606,24607.24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-2	Lab ID: 0015512-45	Sampled: 05/16/17 13:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.456		mg/kg dry	EPA 6020B	1	0.097	0.430	05/18/17	05/18/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.00300	JEE, I	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-4	Lab ID: 0015512-46	Sampled: 05/16/17 13:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.168	I	mg/kg dry	EPA 6020B	1	0.099	0.440	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-8 **Lab ID:** 0015512-48 **Sampled:** 05/16/17 13:55
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.254	I	mg/kg dry	EPA 6020B	1	0.098	0.435	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-10	Lab ID: 0015512-49	Sampled: 05/16/17 13:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.233	I	mg/kg dry	EPA 6020B	1	0.099	0.440	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-15	Lab ID: 0015512-50	Sampled: 05/16/17 13:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.462	I	mg/kg dry	EPA 6020B	1	0.107	0.476	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-20 **Lab ID:** 0015512-51 **Sampled:** 05/16/17 13:58
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.309	I	mg/kg dry	EPA 6020B	1	0.106	0.471	05/18/17	05/18/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-25	Lab ID: 0015512-52	Sampled: 05/16/17 13:59
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.158	I	mg/kg dry	EPA 6020B	1	0.106	0.471	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015512
COC#: 24631, 24606,24607,24608,24609,24610
REPORTED: 7/5/2017 3:42:17PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-5-30	Lab ID: 0015512-53	Sampled: 05/16/17 14:00
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/16/17 14:45

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.156	I	mg/kg dry	EPA 6020B	1	0.105	0.465	05/18/17	05/18/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
- JEE Analysis performed by Florida Environmental Cert#E86006
1460 W McNabb Road Ft. Lauderdale FL 33309



CHAIN OF CUSTODY RECORD

Log #: 15512

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62/02.03</u>																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig</u>																				DW Drinking Water SW Surface Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											Press Codes					
1	<u>DB-1-0.5</u>	<u>5/16/17</u>	<u>948</u>	<u>SO</u>			<u>1</u>	<u>AS</u>										A. None E. HCL O. Other					
2	<u>DB-1-2</u>		<u>949</u>															B. HNO3 E. MeOH					
3	<u>DB-1-4</u>		<u>950</u>															C. H2SO4 G. Na2S2O3					
4	<u>DB-1-6</u>		<u>951</u>															D. NaOH I. Ice					
5	<u>DB-1-8</u>		<u>952</u>																				
6	<u>DB-1-10</u>		<u>953</u>																				
7	<u>DB-1-15</u>		<u>954</u>																				
8	<u>DB-1-20</u>		<u>955</u>																				
9	<u>DB-1-25</u>		<u>956</u>																				
10	<u>DB-1-30</u>		<u>957</u>																				
QA/QC Report Level										COC OK										Initials			
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> N <u>DM</u>			
Y/N <u>24 Hour</u> <u>48 Hour</u> Date Due: _____																				<u>IR Gun 802273</u>			
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>[Signature]</u>	<u>Ed Rahrig</u>	<u>5/16/17</u>	<u>1445</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/16/17</u>	<u>1445</u>															
										Sample INTACT upon arrival? <u>/</u> Yes No N/A													
										Received on Wet Ice? Temp. °C <u>29</u> <u>/</u> Yes No N/A													
										Proper Preservatives Indicated? <u>/</u> Yes No N/A													
										Received within holding time? <u>/</u> Yes No N/A													
										Custody seals intact? <u>/</u> Yes No N/A													
										Volatile rec'd without headspace? <u>/</u> Yes No N/A													
										Proper Containers Used? <u>/</u> Yes No N/A													



CHAIN OF CUSTODY RECORD

Log #: 15512

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>		LAB ANALYSIS										Matrix Codes				
Address: <u>632 SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil	
City: <u>PSC</u> State: <u>FL</u> Zip: <u>34958</u>		PRES CODE	<u>F</u>									GW	Ground Water	SL	Sludge	
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters										EFF	Effluent	SO	Soil Sediment	
email: _____ Fax#: _____													AFW	Analyte Free H2O	AQ	Aqueous
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>													WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>													DW	Drinking Water		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers									
<u>1</u>	<u>DB-1-35</u>	<u>5/16/17</u>	<u>958</u>	<u>SO</u>			<u>1</u>									
<u>12</u>	<u>DB-2-0.5</u>		<u>1035</u>													
<u>13</u>	<u>DB-2-2</u>		<u>1036</u>													
<u>14</u>	<u>DB-2-4</u>		<u>1037</u>													
<u>15</u>	<u>DB-2-6</u>		<u>1038</u>													
<u>16</u>	<u>DB-2-8</u>		<u>1039</u>													
<u>17</u>	<u>DB-2-10</u>		<u>1040</u>													
<u>18</u>	<u>DB-2-15</u>		<u>1041</u>													
<u>19</u>	<u>DB-2-20</u>		<u>1042</u>													
<u>20</u>	<u>DB-2-25</u>		<u>1043</u>													
T.A.T. Request		QA/QC Report Level					COC OK	Initials								
Standard	RUSH															
Y/N	24 Hour 48 Hour Date Due:	None 1 2 3 Other					<u>Y</u> N	<u>ER</u>								
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only							
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/16/17</u>	<u>1445</u>	<u>W Mag</u>	<u>PBEL</u>	<u>5/16/17</u>	<u>1745</u>	Sample INTACT upon arrival?	<u>Y</u>	<u>N</u>	<u>N/A</u>				
									Received on Wet Ice? Temp _____	<u>Y</u>	<u>N</u>	<u>N/A</u>				
									Proper Preservatives Indicated?	<u>Y</u>	<u>N</u>	<u>N/A</u>				
									Received within holding time?	<u>Y</u>	<u>N</u>	<u>N/A</u>				
									Custody seals intact?	<u>Y</u>	<u>N</u>	<u>N/A</u>				
									Volatile rec'd without headspace?	<u>Y</u>	<u>N</u>	<u>N/A</u>				
									Proper Containers Used?	<u>Y</u>	<u>N</u>	<u>N/A</u>				



CHAIN OF CUSTODY RECORD

Log #: 15512

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PG LLC</u>		LAB ANALYSIS										Matrix Codes									
Address: <u>632 SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil						
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE	<u>I</u>										GW	Ground Water	SL	Sludge					
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters											EFF	Effluent	SO	Soil Sediment					
email: _____ Fax#: _____													AFW	Analyte Free H2O	AQ	Aqueous					
Project Name: <u>Hillsborough</u> Proj#: <u>62102.03</u>													WW	Waste Water	NA	Nonaqueous					
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>													DW	Drinking Water							
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											SW	Surface Water	O	Other (Please Specify)
21	<u>DB-2-30</u>	<u>5/16/17</u>	<u>1044</u>	<u>SO</u>			<u>1</u>	<u>AS</u>													
22	<u>DB-2-35</u>		<u>1045</u>					<u>✓</u>													
23	<u>DB-2-0.5</u>		<u>1135</u>					<u>✓</u>													
24	<u>DB-3-2</u>		<u>1136</u>					<u>✓</u>													
25	<u>DB-3-4</u>		<u>1137</u>					<u>✓</u>													
26	<u>DB-3-6</u>		<u>1138</u>					<u>✓</u>													
27	<u>DB-3-8</u>		<u>1139</u>					<u>✓</u>													
28	<u>DB-3-10</u>		<u>1140</u>					<u>✓</u>													
29	<u>DB-3-15</u>		<u>1141</u>					<u>✓</u>													
30	<u>DB-3-20</u>		<u>1142</u>					<u>✓</u>													
Standard		RUSH		QA/QC Report Level					COC OK	Initials											
Y/N	24 Hour	48 Hour	Date Due:	None	1	2	3	Other	<input checked="" type="radio"/> N	<u>EM</u>											
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only												
	<u>[Signature]</u>	<u>Ed Rahrig</u>	<u>5/16/17</u>	<u>1445</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/16/17</u>	<u>1445</u>	Sample INTACT upon arrival?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Yes	No	N/A						
									Received on Wet Ice? Temp. °C	<u>39</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>						
									Proper Preservatives Included?	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>						
									Received within holding time?	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>						
									Custody seals intact?	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>						
									Volatile rec'd without headspace?	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>						
									Proper Containers Used?	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>						



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15512
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward G. Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes					
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil					
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34958</u>										PRES CODE: <u>I</u>										GW Ground Water SL Sludge					
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment					
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous					
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>																				WW Waste Water NA Nonaqueous					
Sampler Signature / Name: <u>Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)					
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Integrity OK	Total # of containers											Press Codes								
										<u>As</u>										A. None E. HCL O. Other					
<u>31</u>	<u>DB-3-25</u>	<u>5/16/17</u>	<u>1143</u>	<u>SO</u>		<u>1</u>											B. HNO3 F. MeOH								
<u>32</u>	<u>DB-3-30</u>		<u>1144</u>														C. H2SO4 G. Na2S2O3								
<u>33</u>	<u>DB-3-35</u>		<u>1145</u>														D. NaOH I. Ice								
<u>34</u>	<u>DB-4-0.5</u>		<u>1301</u>														<u>No recovery</u> <u>No recovery</u>								
<u>35</u>	<u>DB-4-2</u>		<u>1302</u>																						
<u>36</u>	<u>DB-4-4</u>		<u>1303</u>																						
<u>37</u>	<u>DB-4-6</u>		<u>-</u>																						
<u>38</u>	<u>DB-4-8</u>		<u>12</u>																						
<u>39</u>	<u>DB-4-10</u>		<u>1306</u>																						
<u>40</u>	<u>DB-4-15</u>		<u>1307</u>																						
T.A.T. Request										QA/QC Report Level										COC OK			Initials		
Standard _____ RUSH _____										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>1</u> N			<u>EM</u>		
Y/N _____ 24 Hour _____ 48 Hour _____ Date Due: _____																									
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																
	<u>Edward G. Rahrig</u>	<u>Ed Rahrig</u>	<u>5/16/17</u>	<u>1445</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/16/17</u>	<u>1445</u>	Sample INTACT upon arrival? <u>/</u> Yes No N/A Received on Wet Ice? Temp. <u>3.9</u> <u>°C</u> <u>/</u> Proper Preservatives Indicated? <u>/</u> Received within holding time? <u>/</u> Custody seals intact? <u>/</u> Volatile rec'd without headspace? <u>/</u> Proper Containers Used? <u>/</u>																



CHAIN OF CUSTODY RECORD

Log #: 15512

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes																										
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																										
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																										
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																										
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																										
Project Name: <u>Hillsboro Lines</u> Proj#: <u>62102.03</u>																				WW Waste Water NA Nonaqueous																										
Sampler Signature / Name: <u>[Signature]</u>																				DW Drinking Water																										
																				SW Surface Water O Other (Please Specify)																										
																				Press Codes																										
																				A. None E. HCL O. Other																										
																				B. HNO3 F. MeOH																										
																				C. H2SO4 G. Na2S2O3																										
																				D. NaOH I. Ice																										
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																																							
1	DB-4-20	5/16/17	1308	SO			1	AS ✓																																						
2	DB-4-25		1309					✓																																						
3	DB-4-30		1310					✓																																						
4	DB-5-0.5		1351					✓																																						
5	DB-5-2		1352					✓																																						
6	DB-5-4		1353					✓																																						
7	DB-5-6		1354					✓																																						
8	DB-5-8		1355					✓																																						
9	DB-5-10		1356					✓																																						
50	DB-5-15		1357					✓																																						
T.A.T. Request										QA/QC Report Level										COC OK		Initials																								
Standard RUSH										None 1 2 3 Other										Ⓢ N		EM																								
Y/N 24 Hour 48 Hour Date Due:																																														
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																					
	[Signature]	Ed Rahrig	5/16/17	1445	[Signature]	PBEL	5/16/17	1445	<table border="1"> <tr> <td>Sample INTACT upon arrival?</td> <td>Yes</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Received on Wet Ice? Temp. °C</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Proper Preservatives Incorporated?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Received within holding time?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Custody seals intact?</td> <td>✓</td> <td>—</td> <td>—</td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td>—</td> <td>—</td> <td>✓</td> </tr> <tr> <td>Proper Containers Used?</td> <td>—</td> <td>—</td> <td>—</td> </tr> </table>										Sample INTACT upon arrival?	Yes	No	N/A	Received on Wet Ice? Temp. °C	✓	—	—	Proper Preservatives Incorporated?	✓	—	—	Received within holding time?	✓	—	—	Custody seals intact?	✓	—	—	Volatile rec'd without headspace?	—	—	✓	Proper Containers Used?	—	—	—
Sample INTACT upon arrival?	Yes	No	N/A																																											
Received on Wet Ice? Temp. °C	✓	—	—																																											
Proper Preservatives Incorporated?	✓	—	—																																											
Received within holding time?	✓	—	—																																											
Custody seals intact?	✓	—	—																																											
Volatile rec'd without headspace?	—	—	✓																																											
Proper Containers Used?	—	—	—																																											

no recovery



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PLLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSC</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name <u>Hillsborg Pines</u> Proj#: <u>62102.03</u>																				WW Waste Water NA Nonaqueous			
Sampler Signature / Name <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	AS										Press Codes					
<u>S1</u>	<u>DB-5-20</u>	<u>5/14/17</u>	<u>1358</u>	<u>SO</u>			<u>1</u>	<u>✓</u>										A. None E. HCL O. Other					
<u>S2</u>	<u>DB-5-25</u>	<u>↓</u>	<u>1359</u>	<u>↓</u>			<u>↓</u>	<u>✓</u>										B. HNO3 F. MeOH					
<u>S3</u>	<u>DB-5-30</u>	<u>↓</u>	<u>1400</u>	<u>↓</u>			<u>↓</u>	<u>✓</u>										C. H2SO4 G. Na2S2O3					
<u>4</u>	_____																				D. NaOH I. Ice		
<u>5</u>																							
<u>6</u>																							
<u>7</u>																							
<u>8</u>																							
<u>9</u>																							
<u>0</u>																							
Standard		T.A.T. Request		QA/QC Report Level					COC OK		Initials												
Y/N		24 Hour 48 Hour Date Due:		None <u>1</u> <u>2</u> <u>3</u> Other _____					<u>(Y)</u> N		<u>ER</u>												
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/16/17</u>	<u>1445</u>	<u>W Magl</u>	<u>PBEL</u>	<u>5/16/17</u>	<u>1445</u>															
									Sample INTACT upon arrival?	Yes	No	N/A											
									Received on Wet Ice? Temp _____ °C	<u>✓</u>	<u>✓</u>	<u>✓</u>											
									Proper Preservatives Included?	<u>✓</u>	<u>✓</u>	<u>✓</u>											
									Received within holding time?	<u>✓</u>	<u>✓</u>	<u>✓</u>											
									Custody seals intact?	<u>✓</u>	<u>✓</u>	<u>✓</u>											
									Volatile rec'd without headspace?	<u>✓</u>	<u>✓</u>	<u>✓</u>											
									Proper Containers Used?	<u>✓</u>	<u>✓</u>	<u>✓</u>											



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015548

July 05, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-0.5	Lab ID: 0015548-01	Sampled: 05/23/17 09:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	21.6		mg/kg dry	EPA 6020B	1	0.098	0.506	05/29/17		05/29/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.3		mg/L	EPA 1312/6020B	1	0.00100	0.01	06/28/17		06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24		05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-2	Lab ID: 0015548-02	Sampled: 05/23/17 09:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.86		mg/kg dry	EPA 6020B	1	0.100	0.517	05/29/17	05/29/17		SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.04		mg/L	EPA 1312/6020B	1	0.00100	0.01	06/28/17	06/28/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/17	05/25/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-4	Lab ID: 0015548-03	Sampled: 05/23/17 09:11
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.164	I	mg/kg dry	EPA 6020B	1	0.092	0.474	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-6 **Lab ID:** 0015548-04 **Sampled:** 05/23/17 09:12
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.096	U	mg/kg dry	EPA 6020B	1	0.096	0.493	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-8	Lab ID: 0015548-05	Sampled: 05/23/17 09:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.069	I	mg/kg dry	EPA 6020B	1	0.069	0.354	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-10	Lab ID: 0015548-06	Sampled: 05/23/17 09:14
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.099	U	mg/kg dry	EPA 6020B	1	0.099	0.510	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-15	Lab ID: 0015548-07	Sampled: 05/23/17 09:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.143	I	mg/kg dry	EPA 6020B	1	0.050	0.258	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-20	Lab ID: 0015548-08	Sampled: 05/23/17 09:16
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.569		mg/kg dry	EPA 6020B	1	0.055	0.286	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-25 **Lab ID:** 0015548-09 **Sampled:** 05/23/17 09:17
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.146	I	mg/kg dry	EPA 6020B	1	0.066	0.338	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-6-30	Lab ID: 0015548-10	Sampled: 05/23/17 09:18
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.067	I	mg/kg dry	EPA 6020B	1	0.037	0.188	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-0.5	Lab ID: 0015548-11	Sampled: 05/23/17 10:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	11.5		mg/kg dry	EPA 6020B	1	0.092	0.476	05/29/17	05/29/17		SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.1		mg/L	EPA 1312/6020B	1	0.00100	0.01	06/28/17	06/28/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/24/17	05/25/17		DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-2	Lab ID: 0015548-12	Sampled: 05/23/17 10:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.439	I	mg/kg dry	EPA 6020B	1	0.093	0.480	05/29/17	05/29/17	SL	

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.00700	I	mg/L	EPA 1312/6020B	1	0.00100	0.01	06/28/17	06/28/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/24/17	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-4	Lab ID: 0015548-13	Sampled: 05/23/17 10:08
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.078	U	mg/kg dry	EPA 6020B	1	0.078	0.403	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-6 **Lab ID:** 0015548-14 **Sampled:** 05/23/17 10:09
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.086	U	mg/kg dry	EPA 6020B	1	0.086	0.444	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-8 **Lab ID:** 0015548-15 **Sampled:** 05/23/17 10:10
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.073	U	mg/kg dry	EPA 6020B	1	0.073	0.397	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-10 **Lab ID:** 0015548-16 **Sampled:** 05/23/17 10:11
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.075	U	mg/kg dry	EPA 6020B	1	0.075	0.384	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-15	Lab ID: 0015548-17	Sampled: 05/23/17 10:12
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.129	I	mg/kg dry	EPA 6020B	1	0.036	0.186	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-20	Lab ID: 0015548-18	Sampled: 05/23/17 10:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.059	I	mg/kg dry	EPA 6020B	1	0.028	0.146	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-25	Lab ID: 0015548-19	Sampled: 05/23/17 10:14
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.207	I	mg/kg dry	EPA 6020B	1	0.056	0.287	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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Port St Lucie, FL 34953
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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-7-30	Lab ID: 0015548-20	Sampled: 05/23/17 10:15
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.154	I	mg/kg dry	EPA 6020B	1	0.032	0.163	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-0.5	Lab ID: 0015548-21	Sampled: 05/23/17 10:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.183	I	mg/kg dry	EPA 6020B	1	0.089	0.473	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548

COC#: 24636, 24637, 24638, 24639, 24640, 24641

REPORTED: 7/5/2017 2:29:20PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-8-2

Lab ID: 0015548-22

Sampled: 05/23/17 10:57

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	34.3		mg/kg dry	EPA 6020B	1	0.096	0.493	05/29/17	05/29/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-4	Lab ID: 0015548-23	Sampled: 05/23/17 10:58
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	5.48		mg/kg dry	EPA 6020B	1	0.096	0.494	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-6	Lab ID: 0015548-24	Sampled: 05/23/17 10:59
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.53		mg/kg dry	EPA 6020B	1	0.101	0.519	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-8 **Lab ID:** 0015548-25 **Sampled:** 05/23/17 11:00
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.147	I	mg/kg dry	EPA 6020B	1	0.080	0.411	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-10	Lab ID: 0015548-26	Sampled: 05/23/17 11:01
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.200	I	mg/kg dry	EPA 6020B	1	0.074	0.380	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	79.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-20 **Lab ID:** 0015548-27 **Sampled:** 05/23/17 11:03
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.098	I	mg/kg dry	EPA 6020B	1	0.050	0.255	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-25	Lab ID: 0015548-28	Sampled: 05/23/17 11:04
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.207	I	mg/kg dry	EPA 6020B	1	0.051	0.262	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	81.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-8-30	Lab ID: 0015548-29	Sampled: 05/23/17 11:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.089	I	mg/kg dry	EPA 6020B	1	0.043	0.220	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548

COC#: 24636, 24637, 24638,24639,24640,24641

REPORTED: 7/5/2017 2:29:20PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-8-35

Lab ID: 0015548-30

Sampled: 05/23/17 11:06

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.089	I	mg/kg dry	EPA 6020B	1	0.039	0.201	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	82.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-0.5	Lab ID: 0015548-31	Sampled: 05/23/17 12:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.16		mg/kg dry	EPA 6020B	1	0.096	0.494	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-2	Lab ID: 0015548-32	Sampled: 05/23/17 12:46
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.74		mg/kg dry	EPA 6020B	1	0.094	0.482	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-4	Lab ID: 0015548-33	Sampled: 05/23/17 12:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.11		mg/kg dry	EPA 6020B	1	0.080	0.411	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-6 **Lab ID:** 0015548-34 **Sampled:** 05/23/17 12:48
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.346	I	mg/kg dry	EPA 6020B	1	0.072	0.371	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-8	Lab ID: 0015548-35	Sampled: 05/23/17 12:49
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.049	U	mg/kg dry	EPA 6020B	1	0.049	0.250	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-10 **Lab ID:** 0015548-36 **Sampled:** 05/23/17 12:50
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.057	U	mg/kg dry	EPA 6020B	1	0.057	0.292	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-15	Lab ID: 0015548-37	Sampled: 05/23/17 12:51
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.090	I	mg/kg dry	EPA 6020B	1	0.043	0.223	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	66.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-20 **Lab ID:** 0015548-38 **Sampled:** 05/23/17 12:52
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.041	U	mg/kg dry	EPA 6020B	1	0.041	0.210	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-25 **Lab ID:** 0015548-39 **Sampled:** 05/23/17 12:53
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.159	I	mg/kg dry	EPA 6020B	1	0.035	0.179	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-9-30 **Lab ID:** 0015548-40 **Sampled:** 05/23/17 12:54
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.071	I	mg/kg dry	EPA 6020B	1	0.036	0.183	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-0.5 **Lab ID:** 0015548-41 **Sampled:** 05/23/17 13:21
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	8.14		mg/kg dry	EPA 6020B	1	0.096	0.494	05/29/17	05/29/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17		DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-2	Lab ID: 0015548-42	Sampled: 05/23/17 13:22
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.70		mg/kg dry	EPA 6020B	1	0.072	0.372	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-4	Lab ID: 0015548-43	Sampled: 05/23/17 13:23
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.95		mg/kg dry	EPA 6020B	1	0.076	0.390	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	80.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-6	Lab ID: 0015548-44	Sampled: 05/23/17 13:24
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.22		mg/kg dry	EPA 6020B	1	0.100	0.516	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	82.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-8	Lab ID: 0015548-45	Sampled: 05/23/17 13:25
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.770		mg/kg dry	EPA 6020B	1	0.091	0.469	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548

COC#: 24636, 24637, 24638,24639,24640,24641

REPORTED: 7/5/2017 2:29:20PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-10-10

Lab ID: 0015548-46

Sampled: 05/23/17 13:26

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.980		mg/kg dry	EPA 6020B	1	0.067	0.344	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548

COC#: 24636, 24637, 24638, 24639, 24640, 24641

REPORTED: 7/5/2017 2:29:20PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-10-15

Lab ID: 0015548-47

Sampled: 05/23/17 13:27

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.146	I	mg/kg dry	EPA 6020B	1	0.038	0.198	05/29/17	05/29/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-20	Lab ID: 0015548-48	Sampled: 05/23/17 13:28
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.024	U	mg/kg dry	EPA 6020B	1	0.024	0.123	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548

COC#: 24636, 24637, 24638,24639,24640,24641

REPORTED: 7/5/2017 2:29:20PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-10-25

Lab ID: 0015548-49

Sampled: 05/23/17 13:29

Matrix: Soil

Sampled By: Ed Rahrig

Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.109	I	mg/kg dry	EPA 6020B	1	0.023	0.119	05/29/17	05/29/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17		DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-10-30	Lab ID: 0015548-50	Sampled: 05/23/17 13:30
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.116	I	mg/kg dry	EPA 6020B	1	0.064	0.207	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-0.5	Lab ID: 0015548-51	Sampled: 05/23/17 13:56
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	10.0		mg/kg dry	EPA 6020B	1	0.099	0.509	05/29/17		05/29/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.03		mg/L	EPA 1312/6020B	1	0.00100	0.01	06/28/17		06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24		05/25/17	DL



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LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-2	Lab ID: 0015548-52	Sampled: 05/23/17 13:57
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	4.10		mg/kg dry	EPA 6020B	1	0.083	0.430	05/29/17	05/29/17	SL

Metals SPLP EPA 1312

Subcontract Lab Abbreviation: FEE

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.03		mg/L	EPA 1312/6020B	1	0.00100	0.01	06/28/17	06/28/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/24/17	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-4	Lab ID: 0015548-53	Sampled: 05/23/17 13:58
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.35		mg/kg dry	EPA 6020B	1	0.062	0.321	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-6	Lab ID: 0015548-54	Sampled: 05/23/17 13:59
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.977		mg/kg dry	EPA 6020B	1	0.084	0.433	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-8	Lab ID: 0015548-55	Sampled: 05/23/17 14:00
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.159	I	mg/kg dry	EPA 6020B	1	0.074	382	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-10 **Lab ID:** 0015548-56 **Sampled:** 05/23/17 14:01
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.630		mg/kg dry	EPA 6020B	1	0.075	0.384	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-15	Lab ID: 0015548-57	Sampled: 05/23/17 14:02
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.21		mg/kg dry	EPA 6020B	1	0.066	0.339	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
NA	% Solids	79.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638, 24639, 24640, 24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-20	Lab ID: 0015548-58	Sampled: 05/23/17 14:03
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.177		mg/kg dry	EPA 6020B	1	0.031	0.158	05/29/17	05/29/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-25 **Lab ID:** 0015548-59 **Sampled:** 05/23/17 14:04
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.452		mg/kg dry	EPA 6020B	1	0.049	0.251	05/29/17	05/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015548
COC#: 24636, 24637, 24638,24639,24640,24641
REPORTED: 7/5/2017 2:29:20PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-11-30	Lab ID: 0015548-60	Sampled: 05/23/17 14:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 05/23/17 15:15

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.375		mg/kg dry	EPA 6020B	1	0.045	0.230	05/29/17	05/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	81.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
- JEE Analysis performed by Florida Environmental Cert#E86006
1460 W McNabb Road Ft. Lauderdale FL 33309



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>		LAB ANALYSIS										Matrix Codes				
Address: <u>632 SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil	
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE	<u>4E</u>									GW	Ground Water	SL	Sludge	
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters										EFF	Effluent	SO	Soil Sediment	
email: _____ Fax#: _____													AFW	Analyte Free H2O	AQ	Aqueous
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>													WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig</u>													DW	Drinking Water		
													SW	Surface Water	O	Other (Please Specify)
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers					Press Codes				
								<u>As</u>				A. None	E. HCL	O. Other		
<u>1</u>	<u>DB-6-0.5</u>	<u>5/23/17</u>	<u>9:09</u>	<u>SO</u>			<u>1</u>		<u>✓</u>			B. HNO3	F. MeOH			
<u>2</u>	<u>DB-6-2</u>		<u>9:10</u>						<u>✓</u>			C. H2SO4	G. Na2S2O3			
<u>3</u>	<u>DB-6-4</u>		<u>9:11</u>						<u>✓</u>			D. NaOH	I. Ice			
<u>4</u>	<u>DB-6-6</u>		<u>9:12</u>						<u>✓</u>							
<u>5</u>	<u>DB-6-8</u>		<u>9:13</u>						<u>✓</u>							
<u>6</u>	<u>DB-6-10</u>		<u>9:14</u>						<u>✓</u>							
<u>7</u>	<u>DB-6-15</u>		<u>9:15</u>						<u>✓</u>							
<u>8</u>	<u>DB-6-20</u>		<u>9:16</u>						<u>✓</u>							
<u>9</u>	<u>DB-6-25</u>		<u>9:17</u>						<u>✓</u>							
<u>10</u>	<u>DB-6-30</u>		<u>0918</u>						<u>✓</u>							
T.A.T. Request		QA/QC Report Level					COC OK		Initials							
Standard	RUSH															
<u>Y</u>	<u>24 Hour</u>						<u>Y</u> N		<u>DM</u>		<u>IR Gun SO 2273</u>					
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only							
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/23/17</u>	<u>15:15</u>	<u>Dawn DeLoe</u>	<u>PBEL</u>	<u>5/23/17</u>	<u>15:15</u>								
										Sample INTACT upon arrival?	Yes	No	N/A			
										Received on Wet Ice? Temp	<u>39C</u>					
										Proper Preservatives Indicated?	<u>✓</u>					
										Received within holding time?	<u>✓</u>					
										Custody seals intact?	<u>✓</u>					
										Volatile rec'd without headspace?				<u>✓</u>		
										Proper Containers Used?	<u>✓</u>					



CHAIN OF CUSTODY RECORD

Log #: 15548

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PL LLC</u>										LAB ANALYSIS										Matrix Codes																																																																																												
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																																																																																												
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge																																																																																												
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment																																																																																												
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous																																																																																												
Project Name: <u>Hillsboro Pine</u> Proj#: <u>62102.03</u>										As										WW Waste Water NA Nonaqueous																																																																																												
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water																																																																																												
<table border="1"> <thead> <tr> <th>#</th> <th>Sample Label (Client ID)</th> <th>Collect Date</th> <th>Collect Time</th> <th>Matrix</th> <th>Field Filtered</th> <th>Integrity</th> <th>OK</th> <th>Total # of containers</th> </tr> </thead> <tbody> <tr><td>11</td><td>DB-7-0.5</td><td>5/23/17</td><td>1006</td><td>SO</td><td></td><td></td><td></td><td>1</td></tr> <tr><td>12</td><td>DB-7-2</td><td></td><td>1007</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td>DB-7-4</td><td></td><td>1008</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td>DB-7-6</td><td></td><td>1009</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td>DB-7-8</td><td></td><td>1010</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>16</td><td>DB-7-10</td><td></td><td>1011</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>17</td><td>DB-7-15</td><td></td><td>1012</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>18</td><td>DB-7-20</td><td></td><td>1013</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>19</td><td>DB-7-25</td><td></td><td>1014</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>20</td><td>DB-7-30</td><td></td><td>1015</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	OK	Total # of containers	11	DB-7-0.5	5/23/17	1006	SO				1	12	DB-7-2		1007						13	DB-7-4		1008						14	DB-7-6		1009						15	DB-7-8		1010						16	DB-7-10		1011						17	DB-7-15		1012						18	DB-7-20		1013						19	DB-7-25		1014						20	DB-7-30		1015						SW Surface Water O Other (Please Specify)			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	OK	Total # of containers																																																																																																								
11	DB-7-0.5	5/23/17	1006	SO				1																																																																																																								
12	DB-7-2		1007																																																																																																													
13	DB-7-4		1008																																																																																																													
14	DB-7-6		1009																																																																																																													
15	DB-7-8		1010																																																																																																													
16	DB-7-10		1011																																																																																																													
17	DB-7-15		1012																																																																																																													
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T.A.T. Request										QA/QC Report Level										COC OK		Initials																																																																																										
Standard <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour Date Due: _____										None <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> Other _____										<input checked="" type="checkbox"/> N		<u>DM</u>																																																																																										
Item										Received By										Date		Time		Lab Use Only																																																																																								
<u>Ed Rahrig</u>										<u>David Lee</u>										<u>5/23/17</u>		<u>15:15</u>																																																																																										
																								Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																																																																																								
																								Received on Wet Ice? <u>29</u> °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																																																																																								
																								Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																																																																																								
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																								Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																																																																																								



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE: <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>										A. None E. HCL O. Other										Press Codes			
Sampler Signature / Name: <u>Ed Rahrig</u>																				B. HNO3 F. MeOH			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											C. H2SO4 G. Na2S2O3					
21	DB-8-0.5	5/23/17	1056	So			1	AB										D. NaOH I. Ice					
22	DB-8-2		1057																				
23	DB-8-4		1058																				
24	DB-8-6		1059																				
25	DB-8-8		1100																				
26	DB-8-10		1101																				
27	DB-8-20		1103																				
28	DB-8-25		1104																				
29	DB-8-30		1105																				
30	DB-8-35		1106																				
T.A.T. Request										QA/QC Report Level										COC OK			
Standard <u>Y/N</u> 24 Hour 48 Hour Date Due:										None 1 2 3 Other										<u>Y</u> N			
Initials <u>DM</u>																							
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/23/2017</u>	<u>15:15</u>	<u>Daniel Kal</u>	<u>PBEL</u>	<u>5/23/17</u>	<u>15:15</u>															
										Sample INTACT upon arrival?										Yes	No	N/A	
										Received on Wet Ice? Temp <u>29</u> C										<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
										Proper Preservatives Included?										<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
										Received within holding time?										<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
										Custody seals intact?										<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
										Volatile rec'd without headspace?										<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
										Proper Containers Used?										<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes								
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil								
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE: <u>I</u>										GW Ground Water SL Sludge								
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment								
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous								
Project Name: <u>Hilbordo Pines</u> Proj#: <u>62702.03</u>										A. None E. HCL O. Other										Press Codes								
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				B. HNO3 F. MeOH								
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers											C. H2SO4 G. Na2S2O3										
31	DB-9-0.5	5/23/17	1245	SO			1	AB										D. NaOH I. Ice										
32	DB-9-2		1246																									
33	DB-9-4		1247																									
34	DB-9-6		1248																									
35	DB-9-8		1249																									
36	DB-9-10		1250																									
37	DB-9-15		1251																									
38	DB-9-20		1252																									
39	DB-9-25		1253																									
40	DB-9-30		1254																									
T.A.T. Request										QA/QC Report Level										COC OK			Initials					
Standard <input checked="" type="radio"/> Y <input type="radio"/> N										RUSH										None <u>1</u> <u>2</u> <u>3</u> Other			<input checked="" type="radio"/> Y <input type="radio"/> N			<u>DM</u>		
24 Hour										48 Hour										Date Due:								
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																			
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/23/17</u>	<u>15:15</u>	<u>Dawn Yu</u>	<u>PBEL</u>	<u>5/23/17</u>	<u>15:15</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp. <u>3°C</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																			



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15548
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward G Rahrig Pq LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				APW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62/02.03</u>										As										WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers											SW Surface Water O Other (Please Specify)					
41	DB-10-0.5	5/23/17	1321	SO			1											Press Codes					
42	DB-10-2		1322															A. None E. HCL O. Other					
43	DB-10-4		1323															B. HNO3 F. MeOH					
44	DB-10-6		1324															C. H2SO4 G. Na2S2O3					
45	DB-10-8		1325															D. NaOH I. Ice					
46	DB-10-10		1326																				
47	DB-10-15		1327																				
48	DB-10-20		1328																				
49	DB-10-25		1329																				
50	DB-10-30		1330																				
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard <input checked="" type="radio"/> N 24 Hour RUSH 48 Hour Date Due: _____										None <u>1</u> <u>2</u> <u>3</u> Other _____										<input checked="" type="radio"/> N		<u>EM</u>	
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>5/23/17</u>	<u>15:15</u>	<u>David Dye</u>	<u>PBEL</u>	<u>5/23/17</u>	<u>15:15</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														



CHAIN OF CUSTODY RECORD

Log #: 15548

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>										LAB ANALYSIS										Matrix Codes			
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil			
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>										AS										WW Waste Water NA Nonaqueous			
Sampler Signature: <u>Ed Rahrig</u> Name: <u>Ed Rahrig</u>																				DW Drinking Water			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers											SW Surface Water 0 Other (Please Specify)					
51	DB-11-0.5	5/23/17	1356	SO			1											Press Codes					
52	DB-11-2		1357															A. None E. HCL O. Other					
53	DB-11-4		1358															B. HNO3 F. MeOH					
54	DB-11-6		1359															C. H2SO4 G. Na2S2O3					
55	DB-11-8		1400															D. NaOH I. Ice					
56	DB-11-10		1401																				
57	DB-11-15		1402																				
58	DB-11-20		1403																				
59	DB-11-25		1404																				
60	DB-11-30		1405																				
T.A.T. Request										QA/QC Report Level										COC OK		Initials	
Standard <u>0/N</u> RUSH <u>24 Hour</u> Date Due: _____										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> N		<u>DM</u>	
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only														
	<u>[Signature]</u>	<u>Ed Rahrig</u>	<u>5/23/2017</u>	<u>15:15</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>5/23/17</u>	<u>15:15</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp. <u>5</u> °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A														



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015573

July 05, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-0.5	Lab ID: 0015573-01	Sampled: 06/01/17 08:50
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	6.76		mg/kg dry	EPA 6020B	1	0.099	0.508	06/07/17	06/07/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.2	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-2 **Lab ID:** 0015573-02 **Sampled:** 06/01/17 08:51
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	7.18		mg/kg dry	EPA 6020B	1	0.103	0.529	06/07/17	06/07/17	SL	

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.05	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-4	Lab ID: 0015573-03	Sampled: 06/01/17 08:52
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.169	I	mg/kg dry	EPA 6020B	1	0.098	0.503	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-6	Lab ID: 0015573-04	Sampled: 06/01/17 08:53
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.706		mg/kg dry	EPA 6020B	1	0.100	0.517	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573

COC#: 24632,24633,24634,24635,24666,.24667

REPORTED: 7/5/2017 2:24:47PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-12-8

Lab ID: 0015573-05

Sampled: 06/01/17 08:54

Matrix: Soil

Sampled By: Ed Rahrig

Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.26		mg/kg dry	EPA 6020B	1	0.092	0.476	06/07/17	06/07/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17		DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-10	Lab ID: 0015573-06	Sampled: 06/01/17 08:55
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.983		mg/kg dry	EPA 6020B	1	0.105	0.540	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573

COC#: 24632,24633,24634,24635,24666,.24667

REPORTED: 7/5/2017 2:24:47PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-12-15

Lab ID: 0015573-07

Sampled: 06/01/17 08:56

Matrix: Soil

Sampled By: Ed Rahrig

Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.158	I	mg/kg dry	EPA 6020B	1	0.095	0.492	06/07/17	06/07/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL	



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-20 **Lab ID:** 0015573-08 **Sampled:** 06/01/17 08:57
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.083	U	mg/kg dry	EPA 6020B	1	0.083	0.427	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-25 **Lab ID:** 0015573-09 **Sampled:** 06/01/17 08:58
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.151	I	mg/kg dry	EPA 6020B	1	0.089	0.457	06/07/17	06/07/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL	



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-12-30 **Lab ID:** 0015573-10 **Sampled:** 06/01/17 08:59
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.472	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573

COC#: 24632,24633,24634,24635,24666,.24667

REPORTED: 7/5/2017 2:24:47PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-13-0.5 **Lab ID:** 0015573-11 **Sampled:** 06/01/17 09:31
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	34.8		mg/kg dry	EPA 6020B	1	0.091	0.466	06/07/17	06/07/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.2	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-2 **Lab ID:** 0015573-12 **Sampled:** 06/01/17 09:32
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	1.80		mg/kg dry	EPA 6020B	1	0.095	0.489	06/07/17	06/07/17	SL

Metals SPLP EPA 1312

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.04	JEE	mg/L	EPA 1312/6020B	1	0.00040	0.00900	06/26/17	06/29/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-4	Lab ID: 0015573-13	Sampled: 06/01/17 09:33
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	2.09		mg/kg dry	EPA 6020B	1	0.098	0.504	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-6	Lab ID: 0015573-14	Sampled: 06/01/17 09:34
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	4.15		mg/kg dry	EPA 6020B	1	0.093	0.477	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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632 S.W. Aster Road
Port St Lucie, FL 34953
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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-8	Lab ID: 0015573-15	Sampled: 06/01/17 09:35
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.158	I	mg/kg dry	EPA 6020B	1	0.097	0.499	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-10 **Lab ID:** 0015573-16 **Sampled:** 06/01/17 09:36
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.102	U	mg/kg dry	EPA 6020B	1	0.102	0.524	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-15 **Lab ID:** 0015573-17 **Sampled:** 06/01/17 09:37
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.147	I	mg/kg dry	EPA 6020B	1	0.097	0.501	06/07/17	06/07/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL	



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Edward G. Rahrig, PG LLC
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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-20	Lab ID: 0015573-18	Sampled: 06/01/17 09:38
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.683		mg/kg dry	EPA 6020B	1	0.108	0.554	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-25	Lab ID: 0015573-19	Sampled: 06/01/17 09:39
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.516	I	mg/kg dry	EPA 6020B	1	0.103	0.529	06/07/17	06/07/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17		DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-30	Lab ID: 0015573-20	Sampled: 06/01/17 09:40
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.106	U	mg/kg dry	EPA 6020B	1	0.106	0.548	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-13-35	Lab ID: 0015573-21	Sampled: 06/01/17 09:41
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.130	I	mg/kg dry	EPA 6020B	1	0.100	0.515	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-0.5	Lab ID: 0015573-22	Sampled: 06/01/17 10:05
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	5.79		mg/kg dry	EPA 6020B	1	0.092	0.472	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-2	Lab ID: 0015573-23	Sampled: 06/01/17 10:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.61		mg/kg dry	EPA 6020B	1	0.087	0.449	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-4	Lab ID: 0015573-24	Sampled: 06/01/17 10:07
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.46		mg/kg dry	EPA 6020B	1	0.097	0.501	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-6 **Lab ID:** 0015573-25 **Sampled:** 06/01/17 10:08
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.094	U	mg/kg dry	EPA 6020B	1	0.094	0.487	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-8	Lab ID: 0015573-26	Sampled: 06/01/17 10:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.104	U	mg/kg dry	EPA 6020B	1	0.104	0.536	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-10	Lab ID: 0015573-27	Sampled: 06/01/17 10:10
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.092	U	mg/kg dry	EPA 6020B	1	0.092	0.476	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573

COC#: 24632,24633,24634,24635,24666,.24667

REPORTED: 7/5/2017 2:24:47PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-14-15

Lab ID: 0015573-28

Sampled: 06/01/17 10:11

Matrix: Soil

Sampled By: Ed Rahrig

Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7440-38-2	Arsenic	0.098	U	mg/kg dry	EPA 6020B	1	0.098	0.503	06/07/17	06/07/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-20 **Lab ID:** 0015573-29 **Sampled:** 06/01/17 10:12
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.102	U	mg/kg dry	EPA 6020B	1	0.102	0.523	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-25	Lab ID: 0015573-30	Sampled: 06/01/17 10:13
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.095	U	mg/kg dry	EPA 6020B	1	0.095	0.492	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-30	Lab ID: 0015573-31	Sampled: 06/01/17 10:14
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.138	I	mg/kg dry	EPA 6020B	1	0.106	0.547	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-14-35 **Lab ID:** 0015573-32 **Sampled:** 06/01/17 10:15
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.151	I	mg/kg dry	EPA 6020B	1	0.107	0.552	06/07/17	06/07/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL	



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-0.5	Lab ID: 0015573-33	Sampled: 06/01/17 10:38
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	3.87		mg/kg dry	EPA 6020B	1	0.094	0.484	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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CERTIFICATE OF ANALYSIS

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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-2	Lab ID: 0015573-34	Sampled: 06/01/17 10:39
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.59		mg/kg dry	EPA 6020B	1	0.092	0.472	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-4	Lab ID: 0015573-35	Sampled: 06/01/17 10:40
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.091	U	mg/kg dry	EPA 6020B	1	0.091	0.469	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-6	Lab ID: 0015573-36	Sampled: 06/01/17 10:41
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.132	I	mg/kg dry	EPA 6020B	1	0.098	0.506	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-8	Lab ID: 0015573-37	Sampled: 06/01/17 10:42
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	1.69		mg/kg dry	EPA 6020B	1	0.102	0.528	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-10 **Lab ID:** 0015573-38 **Sampled:** 06/01/17 10:43
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.099	U	mg/kg dry	EPA 6020B	1	0.099	0.508	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-15	Lab ID: 0015573-39	Sampled: 06/01/17 10:44
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.079	U	mg/kg dry	EPA 6020B	1	0.079	0.407	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-20	Lab ID: 0015573-40	Sampled: 06/01/17 10:45
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.110	U	mg/kg dry	EPA 6020B	1	0.110	0.567	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-25 **Lab ID:** 0015573-41 **Sampled:** 06/01/17 10:46
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.190	I	mg/kg dry	EPA 6020B	1	0.088	0.456	06/07/17	06/07/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17		DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-15-30	Lab ID: 0015573-42	Sampled: 06/01/17 10:47
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.106	I	mg/kg dry	EPA 6020B	1	0.103	0.533	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-0.5	Lab ID: 0015573-43	Sampled: 06/01/17 11:06
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	23.2		mg/kg dry	EPA 6020B	1	0.078	0.405	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-2 **Lab ID:** 0015573-44 **Sampled:** 06/01/17 11:07
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	7.02		mg/kg dry	EPA 6020B	1	0.084	0.435	06/07/17	06/07/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17		DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-6	Lab ID: 0015573-46	Sampled: 06/01/17 11:09
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.100	I	mg/kg dry	EPA 6020B	1	0.092	0.472	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-8 **Lab ID:** 0015573-47 **Sampled:** 06/01/17 11:10
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	10.5		mg/kg dry	EPA 6020B	1	0.098	0.506	06/07/17	06/07/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17		DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-10	Lab ID: 0015573-48	Sampled: 06/01/17 11:11
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	40.2		mg/kg dry	EPA 6020B	1	0.068	0.353	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-15	Lab ID: 0015573-49	Sampled: 06/01/17 11:12
Matrix: Soil	Sampled By: Ed Rahrig	Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.219	I	mg/kg dry	EPA 6020B	1	0.088	0.457	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-20 **Lab ID:** 0015573-50 **Sampled:** 06/01/17 11:13
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.117	I	mg/kg dry	EPA 6020B	1	0.080	0.414	06/07/17	06/07/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL	



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LOG #: 0015573

COC#: 24632,24633,24634,24635,24666,.24667

REPORTED: 7/5/2017 2:24:47PM

PROJECT #: 62102.03

PROJECT: Hillsboro Pines GC

Description: DB-16-25

Lab ID: 0015573-51

Sampled: 06/01/17 11:14

Matrix: Soil

Sampled By: Ed Rahrig

Received: 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.093	I	mg/kg dry	EPA 6020B	1	0.088	0.456	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-30 **Lab ID:** 0015573-52 **Sampled:** 06/01/17 11:15
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.069	U	mg/kg dry	EPA 6020B	1	0.069	0.354	06/07/17	06/07/17	SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	82.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL



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LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-8 R1 **Lab ID:** 0015573-53 **Sampled:** 06/01/17 11:10
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	9.39		mg/kg dry	EPA 6020B	1	0.003	0.227	06/20/17	06/20/17		SL

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/20/17	06/20/17		DM



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015573
COC#: 24632,24633,24634,24635,24666,.24667
REPORTED: 7/5/2017 2:24:47PM
PROJECT #: 62102.03
PROJECT: Hillsboro Pines GC

Description: DB-16-10 R1 **Lab ID:** 0015573-54 **Sampled:** 06/01/17 11:11
Matrix: Soil **Sampled By:** Ed Rahrig **Received:** 06/01/17 12:00

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	37.0		mg/kg dry	EPA 6020B	1	0.003	0.241	06/20/17	06/20/17	SL	

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	06/20/17	06/20/17	DM	



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
- JEE Analysis performed by Florida Environmental Cert#E86006
1460 W McNabb Road Ft. Lauderdale FL 33309



Palm Beach Environmental
Laboratories, Inc.

Log #: 15573
PO #: _____
Quote #: _____
FDEP : _____

CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig PG LLC</u>										LAB ANALYSIS										Matrix Codes					
Address: <u>632 SW Astor Rd</u>										pH										SD Solid Waste OL Oil GW Ground Water SL Sludge EFF Effluent SO Soil Sediment AFW Analyte Free H2O AQ Aqueous WW Waste Water NA Nonaqueous DW Drinking Water SW Surface Water O Other (Please Specify)					
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE: <u>I</u>															
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										Press Codes					
email: _____ Fax#: _____																				A. None E. HCL O. Other B. HNO3 F. MeOH C. H2SO4 G. Na2S2O3 D. NaOH I. Ice					
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>																									
Sampler Signature / Name: <u>Ed Rahrig</u>																									
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	AS																	
1	DB-12-05	6/1/17	850	So			1	✓																	
2	DB-12-2		851					✓																	
3	DB-12-4		852					✓																	
4	DB-12-6		853					✓																	
5	DB-12-8		854					✓																	
6	DB-12-10		855					✓																	
7	DB-12-15		856					✓																	
8	DB-12-20		857					✓																	
9	DB-12-25		858					✓																	
10	DB-12-30		0859					✓																	
T.A.T. Request										QA/QC Report Level										COC OK		Initials			
Standard <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour Date Due: _____										None 1 2 3 Other _____										<input checked="" type="checkbox"/> N		DM			
Item Relinquished by: <u>[Signature]</u>										Affiliation: <u>Ed Rahrig</u>		Date: <u>6/1/17</u>		Time: <u>12:00</u>		Received By: <u>[Signature]</u>		Affiliation: <u>PBEL</u>		Date: <u>6/1/17</u>		Time: <u>12:00</u>		Lab Use Only	
																				Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
																				Received on Wet Ice? <u>36</u> °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
																				Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
																				Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
																				Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
																				Volatile rec'd without headspace? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
																				Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					



CHAIN OF CUSTODY RECORD

Log #: 15573

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig PGLLC</u>		LAB ANALYSIS										Matrix Codes																																																																																																																																																																																																								
Address: <u>632 SW Aster Rd</u>		pH										SD Solid Waste OL Oil																																																																																																																																																																																																								
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE <u>#</u>										GW Ground Water SL Sludge																																																																																																																																																																																																								
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters										EFF Effluent SO Soil Sediment																																																																																																																																																																																																								
email: _____ Fax#: _____												AFW Analyte Free H2O AQ Aqueous																																																																																																																																																																																																								
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>												WW Waste Water NA Nonaqueous																																																																																																																																																																																																								
Sampler Signature / Name: <u>Ed Rahrig</u>		<table border="1"> <tr> <th>#</th> <th>Sample Label (Client ID)</th> <th>Collect Date</th> <th>Collect Time</th> <th>Matrix</th> <th>Field Filtered</th> <th>Integrity OK</th> <th>Total # of containers</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td><u>1</u></td> <td><u>DB-13-0.5</u></td> <td><u>6/1/17</u></td> <td><u>931</u></td> <td><u>SO</u></td> <td></td> <td></td> <td><u>1</u></td> <td></td> <td><u>AS</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>12</u></td> <td><u>DB-13-2</u></td> <td></td> <td><u>932</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>13</u></td> <td><u>DB-13-4</u></td> <td></td> <td><u>933</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>14</u></td> <td><u>DB-13-6</u></td> <td></td> <td><u>934</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>15</u></td> <td><u>DB-13-8</u></td> <td></td> <td><u>935</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>16</u></td> <td><u>DB-13-10</u></td> <td></td> <td><u>936</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>17</u></td> <td><u>DB-13-15</u></td> <td></td> <td><u>937</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>18</u></td> <td><u>DB-13-20</u></td> <td></td> <td><u>938</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>19</u></td> <td><u>DB-13-25</u></td> <td></td> <td><u>939</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>20</u></td> <td><u>DB-13-30</u></td> <td><u>V</u></td> <td><u>940</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											<u>1</u>	<u>DB-13-0.5</u>	<u>6/1/17</u>	<u>931</u>	<u>SO</u>			<u>1</u>		<u>AS</u>									<u>12</u>	<u>DB-13-2</u>		<u>932</u>															<u>13</u>	<u>DB-13-4</u>		<u>933</u>															<u>14</u>	<u>DB-13-6</u>		<u>934</u>															<u>15</u>	<u>DB-13-8</u>		<u>935</u>															<u>16</u>	<u>DB-13-10</u>		<u>936</u>															<u>17</u>	<u>DB-13-15</u>		<u>937</u>															<u>18</u>	<u>DB-13-20</u>		<u>938</u>															<u>19</u>	<u>DB-13-25</u>		<u>939</u>															<u>20</u>	<u>DB-13-30</u>	<u>V</u>	<u>940</u>															DW Drinking Water		
#	Sample Label (Client ID)											Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																																																																																																																																																																																																			
<u>1</u>	<u>DB-13-0.5</u>											<u>6/1/17</u>	<u>931</u>	<u>SO</u>			<u>1</u>		<u>AS</u>																																																																																																																																																																																																	
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<u>18</u>	<u>DB-13-20</u>												<u>938</u>																																																																																																																																																																																																							
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SW Surface Water O Other (Please Specify)			Press Codes																																																																																																																																																																																																																	
A. None			E. HCL			O. Other																																																																																																																																																																																																														
B. HNO3			F. MeOH																																																																																																																																																																																																																	
C. H2SO4			G. Na2S2O3																																																																																																																																																																																																																	
D. NaOH			I. Ice																																																																																																																																																																																																																	

T.A.T. Request		QA/QC Report Level				COC OK		Initials				
Standard <u>RUSH</u>		None <u>1</u> <u>2</u> <u>3</u> Other				<u>(Y)</u> N		<u>ER</u>				
<u>(Y/N)</u> 24 Hour Date Due:		48 Hour								<u>ER Gun 502273</u>		
Item	Requisitioned by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only			
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>6/1/17</u>	<u>12:00</u>	<u>David Yun</u>	<u>PBEL</u>	<u>6/1/17</u>	<u>12:00</u>				
									Sample INTACT upon arrival?	Yes	No	N/A
									Received on Wet Ice? Temp. °C	<u>216</u>		
									Proper Preservatives Indicated?	<u>/</u>		
									Received within holding time?	<u>/</u>		
									Custody seals intact?	<u>/</u>		
									Volatile rec'd without headspace?			<u>N</u>
									Proper Containers Used?	<u>/</u>		



CHAIN OF CUSTODY RECORD

Log #: 15573

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward G Rahrig P6 LLC</u>					LAB ANALYSIS					Matrix Codes			
Address: <u>632 SW Aster Rd</u>					pH					SD Solid Waste OL Oil			
City: <u>PSC</u> State: <u>FL</u> Zip: <u>34953</u>					PRES CODE <u>I</u>					GW Ground Water SL Sludge			
Attn: <u>Ed Rahrig</u> Phone#: _____					Parameters					EFF Effluent SO Soil Sediment			
email: _____ Fax#: _____										AFW Analyte Free H2O AQ Aqueous			
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>					Parameters					WW Waste Water NA Nonaqueous			
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>										SW Surface Water O Other (Please Specify)			
										Press Codes			
										A. None E. HCL O. Other			
										B. HNO3 F. MeOH			
										C. H2SO4 G. Na2S2O3			
										D. NaOH I. Ice			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of Containers						
21	DB-13-35	6/1/17	941	SO			1						
22	DB-14-0.5		1005										
23	DB-14-2		1006										
24	DB-14-4		1007										
25	DB-14-6		1008										
26	DB-14-8		1009										
27	DB-14-10		1010										
28	DB-14-15		1011										
29	DB-14-20		1012										
30	DB-14-25		1013										
T.A.T. Request					QA/QC Report Level					COC OK		Initials	
Standard <u>0/N</u> RUSH					None 1 2 3 Other					<u>(Y)</u> N		<u>DR</u>	
24 Hour Date Due: _____												<u>IR Gun 502273</u>	
48 Hour Date Due: _____													
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only				
	<u>[Signature]</u>	<u>Ed Rahrig</u>	<u>6/1/17</u>	<u>12:00</u>	<u>Dave Tu</u>	<u>PBEL</u>	<u>6/1/17</u>	<u>12:00</u>	Sample INTACT upon arrival?	Yes	No	N/A	
									Received on Wet Ice? Temp. °C	<u>✓</u>			
									Proper Preservatives Indicated?	<u>✓</u>			
									Received within holding time?	<u>✓</u>			
									Custody seals intact?	<u>✓</u>			
									Volatile rec'd without headspace?	<u>✓</u>			
									Proper Containers Used?	<u>✓</u>			



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P/L LLC</u>		LAB ANALYSIS										Matrix Codes				
Address: <u>632 SW Aster Rd</u>		pH										SD	Solid Waste	OL	Oil	
City: <u>PSC</u> State: <u>FL</u> Zip: <u>34953</u>		PRES CODE	<u>F</u>									GW	Ground Water	SL	Sludge	
Attn: <u>Ed Rahrig</u> Phone#: _____		Parameters										EFF	Effluent	SO	Soil Sediment	
email: _____ Fax#: _____													AFW	Analyte Free H2O	AQ	Aqueous
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>													WW	Waste Water	NA	Nonaqueous
Sampler Signature / Name: <u>Ed Rahrig / Ed Rahrig</u>													DW	Drinking Water		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers					SW	Surface Water	O	Other (Please Specify)	
												Press Codes				
												A. None	E. HCL	O. Other		
												B. HNO3	F. MeOH			
												C. H2SO4	G. Na2S2O3			
												D. NaOH	I. Ice			
31	DB-14-30	6/1/17	1014	SO			1									
32	DB-14-35		1015													
33	DB-15-0.5		1038													
34	DB-15-2		1039													
35	DB-15-4		1040													
36	DB-15-6		1041													
37	DB-15-8		1042													
38	DB-15-10		1043													
39	DB-15-15		1044													
40	DB-15-20		1045													
T.A.T. Request		QA/QC Report Level					COC OK	Initials								
Standard	RUSH															
<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour	None 1 2 3 Other					<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	DM				±R Gun S02273				
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only							
	<u>[Signature]</u>	Ed Rahrig	6/1/17	12:00	Dawn Lee	PBEL	6/1/17	12:00								
									Sample INTACT upon arrival?	Yes	No	N/A				
									Received on Wet Ice? Temp °C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
									Proper Preservatives indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
									Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
									Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
									Volatile rec'd without headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
									Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P&G LLC</u>										LAB ANALYSIS										Matrix Codes																																																																																																							
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil																																																																																																							
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Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>										Parameters										WW Waste Water NA Nonaqueous																																																																																																							
Sampler Signature: <u>Ed Rahrig</u> Name: <u>Ed Rahrig</u>																				DW Drinking Water O Other (Please Specify)																																																																																																							
SW Surface Water										Parameters										Press Codes																																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Sample Label (Client ID)</th> <th>Collect Date</th> <th>Collect Time</th> <th>Matrix</th> <th>Field Filtered</th> <th>Integrity OK</th> <th>Total # of containers</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>41</td> <td>DB-15-25</td> <td>6/1/17</td> <td>1046</td> <td>SO</td> <td></td> <td></td> <td>1</td> <td></td> <td>AS ✓</td> </tr> <tr> <td>42</td> <td>DB-15-30</td> <td></td> <td>1047</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>43</td> <td>DB-16-0.5</td> <td></td> <td>1106</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>44</td> <td>DB-16-2</td> <td></td> <td>1107</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>45</td> <td>DB-16-4</td> <td></td> <td>1108</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>46</td> <td>DB-16-6</td> <td></td> <td>1109</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>47</td> <td>DB-16-8</td> <td></td> <td>1110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>48</td> <td>DB-16-10</td> <td></td> <td>1111</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>49</td> <td>DB-16-15</td> <td></td> <td>1112</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>50</td> <td>DB-16-20</td> <td></td> <td>1113</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> </tbody> </table>																				#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers			41	DB-15-25	6/1/17	1046	SO			1		AS ✓	42	DB-15-30		1047						✓	43	DB-16-0.5		1106						✓	44	DB-16-2		1107						✓	45	DB-16-4		1108						✓	46	DB-16-6		1109						✓	47	DB-16-8		1110						✓	48	DB-16-10		1111						✓	49	DB-16-15		1112						✓	50	DB-16-20		1113
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Standard		RUSH		QA/QC Report Level				COC OK		Initials																																		
<input checked="" type="checkbox"/> 24 Hour		<input type="checkbox"/> 48 Hour		None 1 2 3 Other				<input checked="" type="checkbox"/> N		DM		IR Gun 502273																																
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																																			
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>6/1/17</u>	<u>12:00</u>	<u>Dave</u>	<u>PBEL</u>	<u>6/1/17</u>	<u>12:00</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th>N/A</th> </tr> </thead> <tbody> <tr> <td>Sample INTACT upon arrival?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Received on Wet Ice? Temp. <u>3°C</u></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Proper Preservatives Indicated?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Received within holding time?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Custody seals intact?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Volatile rec'd without headspace?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Proper Containers Used?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>					Yes	No	N/A	Sample INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Received on Wet Ice? Temp. <u>3°C</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper Preservatives Indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Custody seals intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Volatile rec'd without headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Yes	No	N/A																																									
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Proper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																									



CHAIN OF CUSTODY RECORD

Company Name: <u>Edward G Rahrig P&C LLC</u>										LAB ANALYSIS										Matrix Codes							
Address: <u>632 SW Aster Rd</u>										pH										SD Solid Waste OL Oil							
City: <u>PSL</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE <u>I</u>										GW Ground Water SL Sludge							
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment							
email: _____ Fax#: _____																				AFW Analyte Free H2O AQ Aqueous							
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.03</u>										AS										WW Waste Water NA Nonaqueous							
Sampler Signature / Name: <u>Ed Rahrig</u>																				DW Drinking Water							
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											SW Surface Water O Other (Please Specify)									
<u>51</u>	<u>DB-16-25</u>	<u>6/1/17</u>	<u>1114</u>	<u>SO</u>			<u>1</u>											Press Codes									
<u>52</u>	<u>DB-16-30</u>	<u>"</u>	<u>1115</u>	<u>"</u>			<u>4</u>											A. None E. HCL O. Other									
<u>3</u>	_____																				B. HNO3 F. MeOH						
<u>4</u>																					C. H2SO4 G. Na2S2O3						
<u>5</u>																					D. NaOH I. Ice						
<u>6</u>																											
<u>7</u>																											
<u>8</u>																											
<u>9</u>																											
<u>0</u>																											
T.A.T. Request										QA/QC Report Level										COC OK		Initials					
Standard <u>RUSH</u>										None <u>1</u> <u>2</u> <u>3</u> Other _____										<u>(Y)</u> N		<u>DM</u>		<u>S02273</u>			
Y/N <u>24 Hour</u> <u>48 Hour</u> Date Due: _____																											
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																		
	<u>Ed Rahrig</u>	<u>Ed Rahrig</u>	<u>6/1/17</u>	<u>12:00</u>	<u>Daniyel</u>	<u>PBEL</u>	<u>6/1/17</u>	<u>12:00</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp. <u>2.6</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Preservatives Indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received within holding time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Volatile rec'd without headspace? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Proper Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																		



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015405

April 20, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-1

Lab ID: 0015405-01

Sampled: 04/13/17 09:08

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0618		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0613		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-2 **Lab ID:** 0015405-02 **Sampled:** 04/13/17 09:35
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0295		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0333		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-3

Lab ID: 0015405-03

Sampled: 04/13/17 10:07

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0333		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0340		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-16

Lab ID: 0015405-05

Sampled: 04/13/17 11:10

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD	



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-6 **Lab ID:** 0015405-06 **Sampled:** 04/13/17 11:43
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0142		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0230		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-7

Lab ID: 0015405-07

Sampled: 04/13/17 12:57

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405

COC#: 24496

REPORTED: 4/20/2017 11:54:06AM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-8

Lab ID: 0015405-08

Sampled: 04/13/17 13:40

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0316		mg/L	EPA 6020	1	0.000377	0.005	04/17/17		04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0361		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17		04/19/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-9 **Lab ID:** 0015405-09 **Sampled:** 04/13/17 14:19
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015405
COC#: 24496
REPORTED: 4/20/2017 11:54:06AM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-10	Lab ID: 0015405-10	Sampled: 04/13/17 15:00
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/13/17 17:35

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0478		mg/L	EPA 6020	1	0.000377	0.005	04/17/17	04/19/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0533		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD



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Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15405
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward G. Rahnig, P.C., LLC</u>										LAB ANALYSIS										Matrix Codes		
Address: <u>632 SW Aster Rd.</u>										pH										SD Solid Waste OI Oil		
City: <u>Port St. Louis</u> State <u>FL</u> Zip: <u>34953</u>										PRES CODE										GW Ground Water SL Sludge		
Attn: <u>Edward Rahnig</u> Phone#: <u>561 7384667</u>										Parameters										EFF Effluent SO Soil Sediment		
email: <u>Edrahnig@comcast.net</u>																				AFW Analyte Free H2O AQ Aqueous		
Project Name: <u>Hillsboro Pines GC</u> Proj#: <u>62102.01</u>										<u>As-total</u> <u>As-dissolved</u> <u>4/13/17 RS</u> <u>pH As total</u>										WW Waste Water NA Nonaqueous		
Sampler Signature / Name: <u>Ed Rahnig</u>																				DW Drinking Water		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers							SW Surface Water O Other (Please Specify)								
										Press Codes												
										A. None E. HCL O. Other												
										B. HNO3 F. MeOH												
										C. H2SO4 G. Na2S2O3												
										D. NaOH I. Ice												
1	MW-1	4/13/17	0908	GW			2	✓	✓	<2												
2	MW-2		0935					✓	✓	<2												
3	MW-3		1007					✓	✓	<2												
4	MW-4		1040					✓	✓	<2												
5	MW-16		1110					✓	✓	<2												
6	MW-6		1143					✓	✓	<2												
7	MW-7		1257					✓	✓	<2												
8	MW-8		1340					✓	✓	<2												
9	MW-9		1419					✓	✓	<2												
10	MW-10		1500					✓	✓	<2												

TAT Request		QA/QC Report Level				COC OK	Initials	
Standard	RUSH	None	1	2	3	Other		
Y/N	24 Hour 48 Hour Date Due						(Y) N	RS

Item	Requested by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only			
	<u>Ed Rahnig</u>	<u>Ed Rahnig</u>	<u>4/13/17</u>	<u>17:35</u>	<u>[Signature]</u>	<u>PBEL</u>	<u>4/13/17</u>	<u>17:35</u>	Sample INTACT upon arrival?	Yes	No	N/A
									Received on Wet Ice? Temp <u>26</u> °C	✓	—	—
									Proper Preservatives Indicated?	✓	—	—
									Received within holding time?	✓	—	—
									Custody seals intact?	✓	—	—
									Volatile rec'd without headspace?	✓	—	—
									Proper Containers Used?	✓	—	—



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015413

April 25, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-5	Lab ID: 0015413-01	Sampled: 04/14/17 09:45
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0025	I	mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0036	I	mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-11	Lab ID: 0015413-02	Sampled: 04/14/17 10:33
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.1564		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.1444		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-12

Lab ID: 0015413-03

Sampled: 04/14/17 11:10

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0306		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-13	Lab ID: 0015413-04	Sampled: 04/14/17 11:47
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0320		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0255		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-14	Lab ID: 0015413-05	Sampled: 04/14/17 11:32
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0692		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0603		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-15

Lab ID: 0015413-06

Sampled: 04/14/17 13:06

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0066		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0118		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-17 **Lab ID:** 0015413-07 **Sampled:** 04/14/17 14:15
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0119		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0098		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-18

Lab ID: 0015413-08

Sampled: 04/14/17 14:46

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0931		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0989		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

632 S.W. Aster Road

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413

COC#: 24497

REPORTED: 4/25/2017 5:17:10PM

PROJECT #: 62102.01

PROJECT: Hillsboro Pines GC

Description: MW-19

Lab ID: 0015413-09

Sampled: 04/14/17 15:16

Matrix: Water

Sampled By: Ed Rahrig

Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0234		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-19d **Lab ID:** 0015413-10 **Sampled:** 04/14/17 15:17
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0247		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0244		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
632 S.W. Aster Road
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015413
COC#: 24497
REPORTED: 4/25/2017 5:17:10PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: MW-20	Lab ID: 0015413-11	Sampled: 04/14/17 15:53
Matrix: Water	Sampled By: Ed Rahrig	Received: 04/14/17 17:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0145		mg/L	EPA 6020	1	0.000377	0.005	04/25/17	04/25/17	DD

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0213		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15413
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward & Laurie, P.C. LLC</u>										LAB ANALYSIS										
Address: <u>633 SW Astor Rd</u>										PH										
City: <u>POLYMER</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE										
Att: <u>Ed Rahrig</u> Phone#: <u>904-7384667</u> Fax#: _____																				
Project Name: <u>Hillsboro Pines</u> Proj#: <u>62102.01</u>																				
Sampler Signature: <u>[Signature]</u> Ed Rahrig																				
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters				Matrix Codes								
01	MW-5	4/14/17	945	GW			2	As total												
02	MW-11		1033					As dissolved												
03	MW-12		1110																	
04	MW-13		1149																	
05	MW-14		1132																	
06	MW-15		1306																	
07	MW-17		1415																	
08	MW-18		1446																	
09	MW-19		1516																	
10	MW-19d		1517																	
Standard MW-20			1553																	
Y/N	24 Hour	Date Due	None			1	2	3	Other				COC OK							
Item	Requested by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Initials				Lab Use Only							
	[Signature]	Ed Rahrig	4/14/17	1725	Dawson	PBEL	4/14/17	1725	[Signature]				Sample (IN)TACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp? <input checked="" type="checkbox"/> <input type="checkbox"/> Proper Preservatives Indicated? <input checked="" type="checkbox"/> <input type="checkbox"/> Received within holding time? <input checked="" type="checkbox"/> <input type="checkbox"/> Custody seals intact? <input checked="" type="checkbox"/> <input type="checkbox"/> Volatile rec'd without headspace? <input checked="" type="checkbox"/> <input type="checkbox"/> Proper Containers Used? <input checked="" type="checkbox"/> <input type="checkbox"/>							

COC# 24497

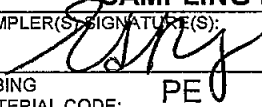
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-1	SAMPLE ID: SAME AS WELL NO. DATE: 20 April 2019

PURGING DATA					
WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.7 feet to 14.7 feet	STATIC DEPTH TO WATER (feet): 7.99'	PURGE PUMP TYPE OR BAILER: PP	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)					
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)					

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 08:58	PURGING ENDED AT: 09:08	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (μS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0903	1.0	1.0	0.2	8.04	7.08	26.3	426.3	3.5	3.39	CLR	None
0906	0.5	1.5	0.2	8.04	7.09	26.3	430.2	2.4	2.73	CLR	None
0908	0.5	2.0	0.2	8.04	7.09	26.4	431.6	2.0	3.21	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA					
SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0908	SAMPLING ENDED AT: 0912
PUMP OR TUBING DEPTH IN WELL (feet): 10.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gals. per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-1	1	PE	100 ML	NONE	—		AS	PP	0.2
MW-1	1	PE	100 ML	HNO3	—		AS	PP	0.2

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-2	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH 4.66 feet to 14.66 feet	STATIC DEPTH TO WATER (feet): 8.33	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.33	PURGING INITIATED AT: 0926	PURGING ENDED AT: 0935	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0926	1.0	1.0	0.22	8.38	6.83	26.6	693	6.6	5.42	CLR	None
0933	0.5	1.5	0.22	8.38	6.83	26.5	701	2.3	3.29	CLR	None
0935	0.5	2.0	0.22	8.38	6.83	26.6	703	2.0	2.81	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG		SAMPLE(S) SIGNATURE(S):		SAMPLING INITIATED AT: 0935	SAMPLING ENDED AT: 0940
PUMP OR TUBING DEPTH IN WELL (feet): 10.33	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm	Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N		TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-2	1	PE	100 ML	NONE	~		AS	PP	0.22
MW-2	1	PE	100 ML	HNO3	~		AS	PP	0.22

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-3	SAMPLE ID: SAME AS WELL NO.
DATE: 13 April 2017	

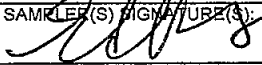
PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.68 feet to 14.68 feet	STATIC DEPTH TO WATER (feet): 7.64	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.64	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.64	PURGING INITIATED AT: 0952	PURGING ENDED AT: 1007	TOTAL VOLUME PURGED (gallons): 3.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0956	1.0	1.0	0.2	7.72	6.76	26.3	776	1.4	31.8	CLK	None
1001	1.0	2.0	0.2	7.72	6.76	26.3	771	0.9	16.0	CLK	None
1004	0.5	2.5	0.2	7.72	6.76	26.1	767	0.7	9.36	CLK	None
1007	0.5	3.0	0.2	7.72	6.76	26.4	762	0.6	8.08	CLK	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1007	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 9.64	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-3	1	PE	100 ML	NONE	=		AS	PP	0.2
MW-3	1	PE	100 ML	HNO3	=		AS	PP	0.2

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-4	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

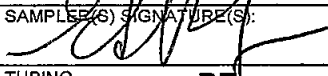
WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.68 feet	STATIC DEPTH TO WATER (feet): 8.18	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.18	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 2.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1032	1.0	1.0	0.18	8.30	7.54	23.8	677	5.2	26.5	CLR	None
1034	0.5	1.5	↓	8.30	7.54	23.7	676	2.0	17.8	CLR	None
1036	0.5	2.0	↓	8.30	7.54	23.8	675	1.2	12.6	CLR	None
1040	0.5	2.5	↓	8.30	7.54	23.7	674	0.8	11.4	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLE(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1045
PUMP OR TUBING DEPTH IN WELL (feet): 10.18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-4	1	PE	100 ML	NONE			AS	PP	0.18
MW-4	1	PE	100 ML	HNO3			AS	PP	0.18

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-5	SAMPLE ID: SAME AS WELL NO. DATE: 14 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 7.72 feet to 17.72 feet	STATIC DEPTH TO WATER (feet): 10.08	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	PURGING INITIATED AT: 0937	PURGING ENDED AT: 0945	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (μS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0922	1.0	1.0	0.13	10.18	7.56	25.4	739	2.4	96.9	CLDY	None
0929	1.0	2.0	↓	10.18	7.54	25.5	737	1.8	78.8	CLDY	None
0937	1.0	3.0	↓	10.18	7.54	25.4	733	1.4	21.9	CLDY	None
0945	1.0	4.0	↓	10.18	7.52	25.5	736	1.2	8.78	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0945	SAMPLING ENDED AT: 0955
PUMP OR TUBING DEPTH IN WELL (feet): 12.08	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm

FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-5	1	PE	100 ML	NONE	-		AS	PP	0.13
MW-5	1	PE	100 ML	HNO3	-		AS	PP	0.13

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-7	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 3.59 feet to 13.59 feet	STATIC DEPTH TO WATER (feet): 6.73	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.73	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.73	PURGING INITIATED AT: 1244	PURGING ENDED AT: 1257	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1249	1.0	1.0	0.15	6.78	7.24	23.6	718	0.3	16.1	CLR	None
1253	0.5	1.5	↓	6.78	7.23	23.5	719	0.2	13.3	CLR	None
1257	0.5	2.0	↓	6.78	7.24	23.7	720	0.3	6.59	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1257		SAMPLING ENDED AT: 1305	
PUMP OR TUBING DEPTH IN WELL (feet): 8.73			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-7	1	PE	100 ML	NONE	-		AS	PP	0.15
MW-7	1	PE	100 ML	HNO3	-		AS	PP	0.15
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-8	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA **7.40**

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.38	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.40	PURGING INITIATED AT: 1317	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1322	1.0	1.0	0.17	7.50	6.80	26.0	608	2.6	43.8	CLDY	None
1328	1.0	2.0	↓	7.50	6.79	25.9	611	1.0	54.6	CLDY	None
1334	1.0	3.0	↓	7.50	6.80	26.0	611	0.6	21.5	CLDY	None
1340	1.0	4.0	↓	7.5	6.80	25.9	611	0.6	10.4	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 9.40	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-8	1	PE	100 ML	NONE	—		AS	PP	0.17
MW-8	1	PE	100 ML	HNO3	—		AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-9	SAMPLE ID: SAME AS WELL NO.
DATE: 13 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.62 feet to 4.62 feet	STATIC DEPTH TO WATER (feet): 6.58	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	PURGING INITIATED AT: 1355	PURGING ENDED AT: 1419	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1400	1.0	1.0	0.17	6.62	7.26	24.7	472.1	9.8	3.46	CLR	None
1406	1.0	2.0	↓	6.62	7.28	24.7	468.0	1.7	30.1	CLR	None
1412	1.0	3.0	↓	6.62	7.27	24.8	468.4	0.5	12.5	CLR	None
1416	0.5	3.5	↓	6.62	7.27	24.7	469.7	0.4	10.6	CLR	None
1419	0.5	4.0	↓	6.62	7.26	24.7	470.0	0.4	8.12	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1419	SAMPLING ENDED AT: 1430
PUMP OR TUBING DEPTH IN WELL (feet): 8.58	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-9	1	PE	100 ML	NONE			AS	PP	0.17
MW-9	1	PE	100 ML	HNO3			AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-10	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.64 feet to 14.64 feet	STATIC DEPTH TO WATER (feet): 7.03	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: $1 \text{ WELL VOLUME} = (\text{TOTAL WELL DEPTH} - \text{STATIC DEPTH TO WATER}) \times \text{WELL CAPACITY}$ (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: $1 \text{ EQUIPMENT VOL.} = \text{PUMP VOLUME} + (\text{TUBING CAPACITY} \times \text{TUBING LENGTH}) + \text{FLOW CELL VOLUME}$ (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.03	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.03	PURGING INITIATED AT: 1433	PURGING ENDED AT: 1500	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1445	1.5	1.5	0.15	7.08	6.92	26.6	540	1.2	53.4	CLDY	None
1448	0.5	2.0	↓	7.08	6.91	26.8	538	0.8	30.3	CLDY	None
1453	1.0	3.0	↓	7.08	6.90	26.7	535	0.6	18.3	CLDY	None
1500	1.0	4.0	↓	7.08	6.90	26.8	534	0.4	11.3	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLED BY SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1500	SAMPLING ENDED AT: 1575
PUMP OR TUBING DEPTH IN WELL (feet): 9.03	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-10	1	PE	100 ML	NONE	—		AS	PP	0.15
MW-10	1	PE	100 ML	HNO3	—		AS	PP	0.15

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009


**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-11	SAMPLE ID: SAME AS WELL NO. DATE: 14 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.48'	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.48	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.48	PURGING INITIATED AT: 1008	PURGING ENDED AT: 1033	TOTAL VOLUME PURGED (gallons): 4.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (μS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1014	1.0	1.0	0.16	8.62	6.64	26.6	286	2.5	60.3	yellow	None
1020	1.0	2.0	↓	8.62	6.57	26.6	275	1.2	61.1	yellow	None
1026	1.0	3.0	↓	8.67	6.52	26.6	262	1.3	67.9	yellow	None
1033	1.0	4.0	↓	8.67	6.47	26.6	250	1.3	62.2	yellow	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 1033		SAMPLING ENDED AT: 1040	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: μm			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gpm per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-11	1	PE	100 ML	NONE	✓		AS		PP	0.16	
MW-11	1	PE	100 ML	HNO3	✓		AS		PP	0.16	
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-12	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.68 feet to 14.68 feet	STATIC DEPTH TO WATER (feet): 6.41	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.41	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.41	PURGING INITIATED AT: 1048	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	1.0	1.0	0.18	6.48	6.00	25.1	136.7	1.1	199	yellow	None
1059	1.0	2.0	↓	6.48	6.02	25.1	143.4	0.6	224	Brn CLDY	None
1105	1.0	3.0	↓	6.48	6.04	25.1	145.4	0.5	247	Brn CLDY	None
1110	1.0	3.0	↓	6.48	6.03	25.1	148.9	0.7	279	Brn CLDY	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 8.41	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL-per minute) gpm
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-12	1	PE	100 ML	NONE	✓		AS	PP	0.18
MW-12	1	PE	100 ML	HNO3	✓		AS	PP	0.18

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-13	SAMPLE ID: SAME AS WELL NO. DATE: 14 Apr. 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH (feet to top of screen): 4.66	STATIC DEPTH TO WATER (feet): 7.90	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.90	PURGING INITIATED AT: 1123	PURGING ENDED AT: 1147	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1124	1.0	1.0	0.17	7.96	5.50	25.4	340.2	1.7	130	Brn Cldy	None
1136	1.0	2.0	↓	7.96	5.50	25.4	339.1	0.9	123	Brn Cldy	None
1141	1.0	3.0	↓	7.96	5.50	25.3	338.4	0.8	120	Brn Cldy	None
1147	1.0	4.0	↓	7.96	5.50	25.4	338.9	0.7	115	Brn Cldy	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1155
PUMP OR TUBING DEPTH IN WELL (feet): 9.90	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-13	1	PE	100 ML	NONE	—		AS	PP	0.17
MW-13	1	PE	100 ML	HNO3	—		AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-14	SAMPLE ID: SAME AS WELL NO.
DATE: 14 Apr. 2017	

4.60 PURGING DATA 14.60 gal

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH (feet) to 9.60 feet to 14.60 feet	STATIC DEPTH TO WATER (feet): 9.12	PURGE PUMP TYPE OR BAILER: PP
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WELL VOLUME PURGE: **1** WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (**14.60** feet - **9.12** feet) X **0.31** gallons/foot = **1.5** gallons

EQUIPMENT VOLUME PURGE: **1** EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = **1.5** gallons + (**0.25** gallons/foot X **9.60** feet) + **0.00** gallons = **2.9** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	PURGING INITIATED AT: 1706	PURGING ENDED AT: 1132	TOTAL VOLUME PURGED (gallons): 4.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1113	1.0	1.0	0.16	9.30	6.19	26.4	194.7	0.9	222	brn clay	None
1118	1.0	2.0	↓	9.30	6.17	26.4	194.4	0.7	207	brn clay	None
1125	1.0	3.0	↓	9.30	6.14	26.4	191.7	1.0	209	brn clay	None
1132	1.0	4.0	↓	9.30	6.11	26.6	187.7	1.1	197	brn clay	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 11.12	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N		TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-14	1	PE	100 ML	NONE	—	—	AS	PP	0.16
MW-14	1	PE	100 ML	HNO3	—	—	AS	PP	0.16

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-15	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.66 feet to 19.66 feet	STATIC DEPTH TO WATER (feet): 6.44	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.44	PURGING INITIATED AT: 1245	PURGING ENDED AT: 1306	TOTAL VOLUME PURGED (gallons): 4.6							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1250	1.0	1.0	0.19	6.34	6.60	26.5	405.9	1.3	317	brn cloudy	None
1256	1.0	2.0	↓	6.54	6.64	26.5	391.0	0.5	237	brn cloudy	None
1300	1.0	3.0	↓	6.54	6.62	26.4	375.2	0.4	170	brn cloudy	None
1306	1.0	4.0	↓	6.54	6.59	26.3	360.2	0.2	157	brn cloudy	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1306	SAMPLING ENDED AT: 1315
PUMP OR TUBING DEPTH IN WELL (feet): 8.44	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm

FIELD DECONTAMINATION: PUMP N TUBING N (replaced) DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-15	1	PE	100 ML	NONE	~		AS	PP	0.19
MW-15	1	PE	100 ML	HNO3	~		AS	PP	0.19

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-1b	SAMPLE ID: SAME AS WELL NO. DATE: 13 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 8.64 feet to 18.64 feet	STATIC DEPTH TO WATER (feet): 10.62	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.62	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.62	PURGING INITIATED AT: 1157	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 2.0
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1103	1.0	1.0	0.15	10.68	7.36	23.8	732	1.8	10.6	CLR	None
1107	0.5	1.5	↓	10.68	7.38	23.7	729	1.2	7.33	CLR	None
1110	0.5	2.0	↓	10.68	7.38	23.9	725	1.1	6.01	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1115
PUMP OR TUBING DEPTH IN WELL (feet): 12.62	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-1b	1	PE	100 ML	NONE	~		AS	PP	0.15 <i>gpm</i>
MW-1b	1	PE	100 ML	HNO3	~		AS	PP	0.15

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-17	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA


WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.66 feet	STATIC DEPTH TO WATER (feet): 6.96	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.96	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.96	PURGING INITIATED AT: 1404	PURGING ENDED AT: 1415	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1408	1.0	1.0	0.18	7.10	6.73	26.7	383.5	2.4	9.65	CLR	None
1412	0.5	1.5	↓	7.10	6.65	26.8	374.5	1.4	9.66	CLR	None
1415	0.5	2.0	↓	7.10	6.62	26.7	372.6	1.1	9.69	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1415	SAMPLING ENDED AT: 1430
PUMP OR TUBING DEPTH IN WELL (feet): 8.96	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm

FIELD DECONTAMINATION: PUMP N TUBING N (replaced) DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-17	1	PE	100 ML	NONE	—		AS	PP	0.18
MW-17	1	PE	100 ML	HNO3	—		AS	PP	0.18

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-18	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.56 feet to 19.56 feet	STATIC DEPTH TO WATER (feet): 10.99	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.99	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.99	PURGING INITIATED AT: 1431	PURGING ENDED AT: 1446	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1438	1.0	1.0	0.13	11.05	7.04	26.5	667	1.3	16.9	CLR	None
1442	0.5	1.5	↓	11.05	7.03	26.7	666	1.0	12.5	CLR	None
1446	0.5	2.0	↓	11.05	7.01	26.7	663	0.8	8.69	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1446	SAMPLING ENDED AT: 1500
PUMP OR TUBING DEPTH IN WELL (feet): 12.99	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N ("replaced")	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-18	1	PE	100 ML	NONE	-		AS	PP	0.13
MW-18	1	PE	100 ML	HNO3	-		AS	PP	0.13

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-19/MW-19d	SAMPLE ID: SAME AS WELL NO. DATE: 14 April 2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.64 to 19.64 feet	STATIC DEPTH TO WATER (feet): 6.58	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.58	PURGING INITIATED AT: 1505	PURGING ENDED AT: 1516	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1509	1.0	1.0	0.18	6.62	7.25	24.3	373.0	1.8	7.57	CLR	None
1512	0.5	1.5	↓	6.62	7.24	24.3	376.5	1.0	8.61	CLR	None
1516	0.5	2.0	↓	6.62	7.23	24.2	377.1	0.7	8.46	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1516	SAMPLING ENDED AT: 1535
PUMP OR TUBING DEPTH IN WELL (feet): 8.58	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-19	2	PE	100 ML	NONE	✓		AS	PP	0.18 gpm
MW-19	2	PE	100 ML	HNO3	✓		AS	PP	0.18

REMARKS: **MW-19d is a field duplicate**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3):
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
 Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-20	SAMPLE ID: SAME AS WELL NO.
DATE: 14 April 2017	


PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 9.6 feet to 14.6 feet	STATIC DEPTH TO WATER (feet): 5.35	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.35	PURGING INITIATED AT: 1530	PURGING ENDED AT: 1535	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1535	1.0	1.0	0.17	5.42	7.11	24.7	581	1.5	19.7	CLDY	None
1540	1.0	2.0	↓	5.42	7.07	24.8	520	0.8	92.2	CLDY	None
1546	1.0	3.0	↓	5.42	7.05	24.8	520	0.7	29.9	CLDY	None
1553	1.0	4.0	↓	5.42	7.05	24.9	516	0.6	18.5	CLDY	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1553	SAMPLING ENDED AT: 1610
PUMP OR TUBING DEPTH IN WELL (feet): 7.35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-20	1	PE	100 ML	NONE	~	~	AS	PP	0.17
MW-20	1	PE	100 ML	HNO3	~	~	AS	PP	0.17

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015799

August 28, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-1	Lab ID: 0015799-01	Sampled: 08/16/17 08:15
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0850	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0880	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/23/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-2	Lab ID: 0015799-02	Sampled: 08/16/17 08:38
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0600	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0550	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-3 **Lab ID:** 0015799-03 **Sampled:** 08/16/17 09:06
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0390	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0350	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-4 **Lab ID:** 0015799-04 **Sampled:** 08/16/17 09:32
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0210	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0200	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-16	Lab ID: 0015799-05	Sampled: 08/16/17 10:04
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0046	AL1, I	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0046	AL1, I	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799

COC#: 25133

REPORTED: 8/28/2017 12:50:40PM

PROJECT #: 62102.01

PROJECT: Century Village

Description: MW-5

Lab ID: 0015799-06

Sampled: 08/16/17 10:39

Matrix: Water

Sampled By: Ed Rahrig

Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0021	AL1, U	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0021	AL1, U	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL	



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CERTIFICATE OF ANALYSIS

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1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-6	Lab ID: 0015799-07	Sampled: 08/16/17 11:04
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0210	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0180	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



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CERTIFICATE OF ANALYSIS

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Port St Lucie, FL 34953
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PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-7	Lab ID: 0015799-08	Sampled: 08/16/17 11:28
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0021	AL1, U	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0021	AL1, U	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-8 **Lab ID:** 0015799-09 **Sampled:** 08/16/17 11:55
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0720	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0720	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015799
COC#: 25133
REPORTED: 8/28/2017 12:50:40PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-9	Lab ID: 0015799-10	Sampled: 08/16/17 12:20
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/16/17 13:20

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0250	AL1	mg/L	EPA 6020	1	0.0021	0.0100	08/22/17	08/22/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0250	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
- AL1 Analysis performed by Advanced Environmental Cert# E82574
6681 Southpoint Parkway Jacksonville FL 32216



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15799
 PO #: _____
 Quote #: _____
 FDEP: _____

Company Name: <u>Edward Rahrig, P.L.L.C.</u>										LAB ANALYSIS										Matrix Codes															
Address: <u>1086 SW Sultan Dr</u>										pH										SD Solid Waste OI Oil															
City: <u>Beth St Lucie</u> State: <u>FL</u> Zip: <u>34953</u>										PRES CODE: <u>BI I</u>										GW Ground Water SL Sludge															
Attn: <u>Ed Rahrig</u> Phone#: _____										Parameters										EFF Effluent SO Soil Sediment															
Email: <u>edrahrig@comcast.net</u>																				AFW Analyte Free H2O AQ Aqueous															
Project Name: <u>Century Village</u> Proj#: <u>62102.01</u>										Total AS										WW Waste Water NA Nonaqueous															
Sampler Signature: <u>Ed Rahrig / Ed Rahrig</u>																				DW Drinking Water															
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Diss AS												Press Codes															
1	MW-1	8/16	0815	GW			2	✓	✓											A. None E. HCL O. Other															
2	MW-2		0838					✓	✓											B. HNO3 F. MeOH															
3	MW-3		0906					✓	✓											C. H2SO4 G. Na2S2O3															
4	MW-4		0930					✓	✓											D. NaOH I. Ice															
5	MW-16		1004					✓	✓																										
6	MW-5		1039					✓	✓																										
7	MW-6		1104					✓	✓																										
8	MW-7		1128					✓	✓																										
9	MW-8		1155					✓	✓																										
0	MW-9	✓	1220	✓			✓	✓	✓																										
I.A.T. Request										QA/QC Report Level										COC OK		Initials													
Standard RUSH										None 1 2 3 Other										(Y) N		DM		IP Gun S02273											
Y/N 24 Hour 48 Hour Date Due:																																			
Item Relinquished by										Affiliation										Date		Time		Received By		Affiliation		Date		Time		Lab Use Only			
<u>Ed Rahrig</u>										<u>Ed Rahrig</u>										<u>8-16-17</u>		<u>13:20</u>		<u>[Signature]</u>		<u>PBEL</u>		<u>8/16/17</u>		<u>13:20</u>					
																																Sample INTACT upon arrival? Yes No N/A Received on Wet Ice? Temp ____ °C Proper Preservatives Indicated? Received within holding time? Custody seals intact? Volatile rec'd without headspace? Proper Containers Used?			



Palm Beach Environmental
Laboratories Inc.



Ed Rahrig
Edward G. Rahrig, PG LLC
Port St Lucie, FL 34953
561-738-4667
LOG #: 0015801

August 28, 2017

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-10	Lab ID: 0015801-01	Sampled: 08/17/17 07:14
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0840	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0830	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-11	Lab ID: 0015801-02	Sampled: 08/17/17 07:45
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0860	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0820	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC

1086 SW Sultan Drive

Port St Lucie, FL 34953

ATTN: Ed Rahrig

PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801

COC#: 25135

REPORTED: 8/28/2017 2:20:59PM

PROJECT #: 62102.01

PROJECT: Century Village

Description: MW-12

Lab ID: 0015801-03

Sampled: 08/17/17 08:08

Matrix: Water

Sampled By: Ed Rahrig

Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0570	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0560	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-13	Lab ID: 0015801-04	Sampled: 08/17/17 08:37
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.2200	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.2100	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
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Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-14	Lab ID: 0015801-05	Sampled: 08/17/17 09:16
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0910	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0850	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-15	Lab ID: 0015801-06	Sampled: 08/17/17 10:11
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0180	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0180	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-17 **Lab ID:** 0015801-07 **Sampled:** 08/17/17 10:37
Matrix: Water **Sampled By:** Ed Rahrig **Received:** 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0230	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.0220	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
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ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-18	Lab ID: 0015801-08	Sampled: 08/17/17 11:04
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.2500	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.2400	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-19	Lab ID: 0015801-09	Sampled: 08/17/17 11:29
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0560	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0540	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

Edward G. Rahrig, PG LLC
1086 SW Sultan Drive
Port St Lucie, FL 34953
ATTN: Ed Rahrig
PHONE: 561-738-4667 **FAX:** -

LOG #: 0015801
COC#: 25135
REPORTED: 8/28/2017 2:20:59PM
PROJECT #: 62102.01
PROJECT: Century Village

Description: MW-20	Lab ID: 0015801-10	Sampled: 08/17/17 12:10
Matrix: Water	Sampled By: Ed Rahrig	Received: 08/17/17 13:25

Dissolved Metals

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0840	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
7440-38-2	Arsenic	0.0830	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

AL1 Analysis performed by Advanced Environmental Cert# E82574
6681 Southpoint Parkway Jacksonville FL 32216



Palm Beach Environmental
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15801 ✓

PO #: _____

Quote #: _____

FDEP: _____

Company Name: <u>Edward Rahnig P.G., LLC</u>										LAB ANALYSIS										Matrix Codes											
Address: <u>1086 SW Sultan DR.</u>										pH										SD Solid Waste OL Oil GW Ground Water SL Sludge EFF Effluent SO Soil Sediment AFW Analyte Free H2O AQ Aqueous WW Waste Water NA Nonaqueous DW Drinking Water SW Surface Water O Other <small>(Please Specify)</small>											
City: <u>Port St. Lucie</u> State: _____ Zip: <u>FL 34953</u>										PRES CODE <u>BI T</u>																					
Attn: <u>Ed Rahnig</u> Phone#: _____										Parameters										Press Codes A. None E. HCL O. Other B. HNO3 F. MeOH C. H2SO4 G. Na2S2O3 D. NaOH I. Ice											
email: <u>Edrahnig@comcast.net</u>																															
Project Name: <u>Century Village</u> Proj#: <u>62102.01</u>										Total As Dissolved As																					
Sampler Signature / Name: <u>Ed Rahnig</u>																															
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers																								
1	MW-10	8-17-17	0714	GW	✓	✓	2	✓	✓																						
2	MW-11		0745		✓	✓		✓	✓																						
3	MW-12		0808		✓	✓		✓	✓																						
4	MW-13		0837		✓	✓		✓	✓																						
5	MW-14		0916		✓	✓		✓	✓																						
6	MW-15		1011		✓	✓		✓	✓																						
7	MW-17		1037		✓	✓		✓	✓																						
8	MW-18		1104		✓	✓		✓	✓																						
9	MW-19		1129		✓	✓		✓	✓																						
0	MW-20		1210		✓	✓		✓	✓																						
Standard <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> RUSH										QA/QC Report Level										COC OK		Initials									
Date Due: _____										None 1 2 3 Other										<input checked="" type="checkbox"/> N		DM									
Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Lab Use Only																						
	<u>Ed Rahnig</u>	<u>Ed Rahnig</u>	<u>8/17/17</u>	<u>13:25</u>	<u>Luis Ortiz</u>	<u>PAEL</u>	<u>8/17/17</u>	<u>13:25</u>	Sample INTACT upon arrival? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Received on Wet Ice? Temp °C <u>3</u> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Proper Preservatives Indicated? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Received within holding time? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Custody seals intact? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Volatile rec'd without headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Proper Containers Used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																						

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-1	SAMPLE ID: SAME AS WELL NO. DATE: 8.16.2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.70 feet	STATIC DEPTH TO WATER (feet): 5.85	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.85	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.85	PURGING INITIATED AT: 0808	PURGING ENDED AT: 0815	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0810	0.5	0.5	0.21	5.90	6.90	29.1	430.9	11.3	0.95	CLR	none
0813	0.5	1.0	↓	5.90	6.97	29.1	445.7	9.1	0.80	CLR	none
0815	0.5	1.5	↓	5.90	6.99	29.1	445.6	8.5	0.78	CLR	none
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 0815		SAMPLING ENDED AT: 0820	
PUMP OR TUBING DEPTH IN WELL (feet): 7.85				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-1	1	PE	100 ML	NONE	-	-	AS	A PP	0.21	
	1	PE	100 ML	HNO3	-	-	AS	A PP	0.21	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow-Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-3	SAMPLE ID: SAME AS WELL NO.
DATE: 8.16.17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 1465 feet to 1465 feet	STATIC DEPTH TO WATER (feet): 5.44	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.44	PURGING INITIATED AT: 0858	PURGING ENDED AT: 0906	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0901	0.5	0.5	0.19	5.53	6.55	28.3	774	1.5	2.20	CLR	None
0903	0.5	1.0	↓	5.53	6.52	28.3	785	1.9	2.22	CLR	None
0906	0.5	1.5	↓	5.53	6.49	28.3	789	1.5	1.90	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>Ed Rahrig</i>			SAMPLING INITIATED AT: 0906		SAMPLING ENDED AT: 0915	
PUMP OR TUBING DEPTH IN WELL (feet): 7.44				TUBING MATERIAL CODE: PE			FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-3	1	PE	100 ML	NONE	-	-	AS	APP	0.19	
	1	PE	100 ML	HNO3	-	-	AS	APP	0.19	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-4	SAMPLE ID: SAME AS WELL NO.
DATE: 8.16.2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.70 feet	STATIC DEPTH TO WATER (feet): 5.16	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.16	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.16	PURGING INITIATED AT: 0925	PURGING ENDED AT: 0932	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0928	0.5	0.5	0.21	5.28	7.14	29.2	455.7	1.4	3.07	CLR	None
0930	0.5	1.0	↓	5.28	7.10	29.2	454.8	1.2	3.99	CLR	None
0932	0.5	1.5	↓	5.28	7.05	29.2	454.5	1.1	2.45	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0932	SAMPLING ENDED AT: 0935
PUMP OR TUBING DEPTH IN WELL (feet): 7.16	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-4	1	PE	100 ML	NONE	-	-	AS	APP	0.21
	1	PE	100 ML	HNO3	-	-	AS	APP	0.21

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw-Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-16	SAMPLE ID: SAME AS WELL NO.
DATE: 8-16-17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.67 feet	STATIC DEPTH TO WATER (feet): 8.21	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.21	PURGING INITIATED AT: 0956	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	CONDUCT. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1058	0.5	0.5	0.19	8.26	7.17	30.4	498	4.8	4.51	CLR	None
1102	0.5	1.0	↓	8.26	7.17	30.4	494	5.0	2.48	CLR	None
1104	0.5	1.5	↓	8.26	7.18	30.4	484	4.0	0.72	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1004	SAMPLING ENDED AT: 1010
PUMP OR TUBING DEPTH IN WELL (feet): 10.21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-16	1	PE	100 ML	NONE	-	-	AS	APP	0.19
	1	PE	100 ML	HNO3	-	-	AS	APP	0.19

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

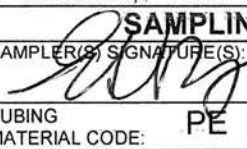
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-5	SAMPLE ID: SAME AS WELL NO.
DATE: 8-16-17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 17.7 feet	STATIC DEPTH TO WATER (feet): 7.18	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.18	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1039	TOTAL VOLUME PURGED (gallons): 2.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1029	0.5	0.5	0.19	7.20	7.00	27.7	781	18.4	80.3	CLDY	brown
1032	0.5	1.0	↓	7.20	6.96	27.3	596	10.8	46.0	CLDY	brown
1034	0.5	1.5	7.20	7.20	7.02	27.2	564	10.7	8.75	CLR	None
1037	0.5	2.0	↓	7.20	7.03	27.2	565	11.0	5.16	CLR	None
1039	0.5	2.5	↓	7.20	7.05	27.2	562	10.9	3.75	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1039		SAMPLING ENDED AT: 1043	
PUMP OR TUBING DEPTH IN WELL (feet): 9.18				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)						DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	100 ML	NONE	-	-	AS	APP	0.19	
	1	PE	100 ML	HNO3	-	-	AS	APP	0.19	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-6	SAMPLE ID: SAME AS WELL NO. DATE: 8-16-17

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.64 feet	STATIC DEPTH TO WATER (feet): 10.80	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.80	PURGING INITIATED AT: 1057	PURGING ENDED AT: 1104	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1100	0.5	0.5	0.21	6.90	6.84	29.2	699	1.5	2.28	CLR	None
1102	0.5	1.0	↓	6.90	6.73	29.2	720	1.4	1.66	CLR	None
1104	0.5	1.5	↓	6.90	6.71	29.2	736	1.4	1.20	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1104	SAMPLING ENDED AT: 1110
PUMP OR TUBING DEPTH IN WELL (feet): 8.80	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-6	1	PE	100 ML	NONE	-	-	AS	APP	0.21
	1	PE	100 ML	HNO3	-	-	AS	APP	0.21

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)


**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-7	SAMPLE ID: SAME AS WELL NO. DATE: 8.16.2017

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 13.0 feet	STATIC DEPTH TO WATER (feet): 4.70	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.70	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.70	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1128	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1122	0.5	0.5	0.25	4.78	6.95	30.3	451.8	0.9	1.30	CLR	None
1124	0.5	1.0	↓	4.78	6.86	30.2	439.2	0.7	1.72	CLR	None
1126	0.5	1.5	↓	4.78	6.70	30.2	439.9	0.5	1.63	CLR	None
1128	0.5	2.0	↓	4.78	6.68	30.2	443.7	0.6	1.45	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1128		SAMPLING ENDED AT: 1135	
PUMP OR TUBING DEPTH IN WELL (feet): 6.70			TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)					DUPLICATE: <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-7	1	PE	100 ML	NONE	-	-	AS	APP	0.25
	1	PE	100 ML	HNO3	-	-	AS	APP	0.25
REMARKS:									

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw-Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-8	SAMPLE ID: SAME AS WELL NO.
DATE: 8-16-2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 13.68 feet	STATIC DEPTH TO WATER (feet): 5.80	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.80	PURGING INITIATED AT: 1145	PURGING ENDED AT: 1155	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1150	1.0	1.0	0.20	5.80	6.61	27.6	658	0.7	4.76	CLR	None
1153	0.5	1.5	↓	5.86	6.58	27.8	662	0.6	7.55	CLR	None
1155	0.5	2.0	↓	5.86	6.59	27.7	663	0.5	7.46	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 1155		SAMPLING ENDED AT: 1200	
PUMP OR TUBING DEPTH IN WELL (feet): 7.80				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PE	100 ML	NONE	—	—	AS	APP	0.20		
	1	PE	100 ML	HNO3	—	—	AS	APP	0.20		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-10	SAMPLE ID: SAME AS WELL NO.
DATE: 8-17-17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.64 feet	STATIC DEPTH TO WATER (feet): 5.65	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.65	PURGING INITIATED AT: 0701	PURGING ENDED AT: 0714	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0704	0.5	0.5	0.19	5.68	6.50	27.9	836	3.9	2.94	CLR	None
0705	0.5	1.0	↓	5.68	6.67	27.8	790	2.9	2.89	CLR	None
0709	0.5	1.5	↓	5.68	6.76	27.8	728	1.9	3.23	CLR	None
0710	0.5	2.0	↓	5.68	6.78	27.8	709	1.6	2.93	CLR	None
0714	0.5	2.5	↓	5.68	6.78	27.8	695	1.6	3.11	CLR	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0714	SAMPLING ENDED AT: 0718
PUMP OR TUBING DEPTH IN WELL (feet): 7.65	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-10	1	PE	100 ML	NONE	—	—	AS	APP	0.19
	1	PE	100 ML	HNO3	—	—	AS	APP	0.19

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-12	SAMPLE ID: SAME AS WELL NO.
DATE: 8-17-17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.18	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.18	PURGING INITIATED AT: 0759	PURGING ENDED AT: 0808	TOTAL VOLUME PURGED (gallons): 2.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0802	0.5	0.5	0.22	5.22	5.70	26.7	273.7	1.3	15.6	CLP	None
0803	0.5	1.0	↓	5.22	5.55	26.6	275.3	1.5	17.9	CLP	None
0806	0.5	1.5	↓	5.22	5.46	26.5	280.0	1.4	17.6	Brn	None
0808	0.5	2.0	↓	5.22	5.47	26.5	279.6	1.1	18.7	Brn	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: 0808	SAMPLING ENDED AT: 0815	
PUMP OR TUBING DEPTH IN WELL (feet): 7.18				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-12	1	PE	100 ML	NONE	—	—	AS	APP	0.22
	1	PE	100 ML	HNO3	—	—	AS	APP	0.22
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-14	SAMPLE ID: SAME AS WELL NO.
DATE: 8-17-17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.60 feet	STATIC DEPTH TO WATER (feet): 7.90	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.90	PURGING INITIATED AT: 0856	PURGING ENDED AT: 0916	TOTAL VOLUME PURGED (gallons): 4.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0859	0.5	0.5	0.2	7.98	5.79	28.2	152.1	1.6	62.0	Brown	None
0901	0.5	1.0	↓	7.98	5.54	28.2	153.3	1.6	62.1	Brown	None
0907	1.0	2.0	↓	7.98	5.37	28.2	155.0	1.0	61.5	Brown	None
0910	1.0	3.0	↓	7.98	5.43	28.2	155.7	0.9	61.7	Brown	None
0916	1.0	4.0	↓	7.98	5.52	28.2	156.2	0.9	57.3	Brown	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0916	SAMPLING ENDED AT: 0925
PUMP OR TUBING DEPTH IN WELL (feet): 9.90	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: — μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-14	1	PE	100 ML	NONE	—	—	AS	APP	0.2
	1	PE	100 ML	HNO3	—	—	AS	APP	0.2

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-15	SAMPLE ID: SAME AS WELL NO.
DATE: 8-17-17	

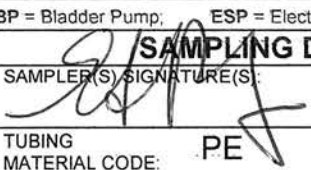
PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 11.65 feet	STATIC DEPTH TO WATER (feet): 5.28	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (<u> </u> feet - <u> </u> feet) X <u> </u> gallons/foot = <u> </u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= <u> </u> gallons + (<u> </u> gallons/foot X <u> </u> feet) + <u> </u> gallons = <u> </u> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.28	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.28	PURGING INITIATED AT: 1005	PURGING ENDED AT: 1015	TOTAL VOLUME PURGED (gallons): 104

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1007	0.5	0.5	0.25	5.38	6.28	28.5	420.9	2.0	16.4	brown	none
1009	0.5	1.0	↓	5.38	6.28	28.4	410.1	1.8	17.8	brown	none
1011	0.5	1.5	↓	5.38	6.26	28.4	393.9	1.8	18.3	brown	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1011	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 7.28	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <u> </u> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-15	1	PE	100 ML	NONE	-	-	AS	APP	0.25
	1	PE	100 ML	HNO3	-	-	AS	APP	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

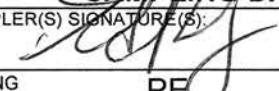
**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-17	SAMPLE ID: SAME AS WELL NO. DATE: 8-17-17

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.68 feet	STATIC DEPTH TO WATER (feet): 5.94	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.94	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.94	PURGING INITIATED AT: 1029	PURGING ENDED AT: 1037	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (S/cm)	DISSOLVED OXYGEN (circle units) mg/L or %saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1032	0.5	0.5	0.19	5.99	6.38	28.9	342.1	1.7	4.62	CLR	None
1034	0.5	1.0	↓	5.99	6.32	28.8	336.6	1.6	4.68	CLR	None
1037	0.5	1.5	↓	5.99	6.26	28.8	331.2	1.7	4.35	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1037		SAMPLING ENDED AT: 1043		
PUMP OR TUBING DEPTH IN WELL (feet): 7.94				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N FILTER SIZE: _____ μm		Filtration Equipment Type:			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-17	1	PE	100 ML	NONE			AS	APP	0.19		
	1	PE	100 ML	HNO3			AS	APP	0.19		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009



**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-18	SAMPLE ID: SAME AS WELL NO. DATE: 8-17-17

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 18.5 feet	STATIC DEPTH TO WATER (feet): 9.68	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.68	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.68	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1104	TOTAL VOLUME PURGED (gallons): 1.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1059	0.5	0.5	0.17	9.72	6.75	27.9	674	1.7	2.52	CLR	None
1101	0.5	1.0	↓	9.72	6.80	27.8	672	1.7	8.87	CLR	None
1104	0.5	1.5	↓	9.72	6.67	27.8	667	1.6	3.36	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 1104		SAMPLING ENDED AT: 1110	
PUMP OR TUBING DEPTH IN WELL (feet): 11.68				TUBING MATERIAL CODE: PE				FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-18	1	PE	100 ML	NONE	—	—	AS	APP	0.17		
	1	PE	100 ML	HNO3	—	—	AS	APP	0.17		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-19	SAMPLE ID: SAME AS WELL NO.
DATE: 8-17-17	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 14.64 feet	STATIC DEPTH TO WATER (feet): 5.25	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (14.64 feet - 5.25 feet) X 1.5 gallons/foot = 13.5 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= 7.25 gallons + (0.25 gallons/foot X 14.64 feet) + 0 gallons = 11.41 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.25	PURGING INITIATED AT: 1122	PURGING ENDED AT: 1129	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1124	0.5	0.5	0.21	5.28	6.92	26.6	637	1.3	3.82	CLR	None
1126	0.5	1.0	↓	5.28	6.81	26.5	637	1.0	2.72	CLR	None
1129	0.5	1.5	↓	5.28	6.77	26.5	631	0.8	3.52	CLR	None
								0.5			
								CLR			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1129	SAMPLING ENDED AT: 1135
PUMP OR TUBING DEPTH IN WELL (feet): 7.25	TUBING MATERIAL CODE: PE	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-19	1	PE	100 ML	NONE	-	-	AS	APP	0.21
	1	PE	100 ML	HNO3	-	-	AS	APP	0.21

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow-Peristaltic Pump; SM = Straw-Method (Tubing Gravity-Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL
WELL NO: MW-20	SAMPLE ID: SAME AS WELL NO. DATE: 8-17-17

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.00	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.00	PURGING INITIATED AT: 1145	PURGING ENDED AT: 1210	TOTAL VOLUME PURGED (gallons): 5.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1148	0.5	0.5	0.2	4.08	7.06	26.8	508	1.2	106	Milky	None
1150	0.5	1.0	 	4.08	6.95	26.7	499	1.2	127	Milky	None
1155	1.0	2.0	 	4.08	6.95	26.6	502	1.0	51.3	Milky	None
1200	1.0	3.0	 	4.08	6.93	26.6	500	1.0	23.9	MT	None
1205	1.0	4.0	 	4.08	6.96	26.6	501	0.9	12.1	CLDY	None
1210	1.0	5.0	↓	4.08	6.96	26.6	504	0.9	7.83	CLR	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: ED RAHRIG				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 1210		SAMPLING ENDED AT: 1220	
PUMP OR TUBING DEPTH IN WELL (feet): 6.00				TUBING MATERIAL CODE: PE		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: μm			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-20	1	PE	100 ML	NONE	-	-	AS	APP	0.20		
	1	PE	100 ML	HNO3	-	-	AS	APP	0.20		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable)

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-281WP *CUP/WUP Number *DID Number 62-524 Delineation No.
2.*Number of permitted wells constructed, repaired, or abandoned 5 *Number of permitted wells not constructed, repaired, or abandoned 0
3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID
6. 2800 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP
7.*County Broward *Section 2 Land Grant *Township 48 *Range 42
8. Latitude Longitude
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification Abandonment
11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock Monitoring
Public Water Supply (Limited Use/DOH) Nursery Irrigation Test
Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
Class I Injection Golf Course Irrigation HVAC Supply
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13.*Measured Static Water Level ft. Measured Pumping Water Level ft. After Hours at GPM
14.*Measuring Point (Describe) Which is ft. Above Below Land Surface *Flowing: Yes No
15.*Casing Material: Black Steel Galvanized PVC Stainless Steel Not Cased Other
16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From To ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: Other (Explain)
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

18.*Surface Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

19.*Primary Casing Diameter and Depth:
Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

20.*Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

21.*Telescope Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft.
23. Chemical Analysis (When Required):
Iron ppm Sulfate ppm Chloride ppm
Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name Erim Fromm *License Number 11313 E-mail Address Jae@bellsouth.net
*Contractor's Signature *Driller's Name (Print or Type) w smitherman

(I certify that the information provided in this report is accurate and true.)



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
- Northwest
- St. Johns River
- South Florida
- Suwannee River
- DEP
- Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-282WP *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 5 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID _____

6. 799 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Broward *Section 2 Land Grant _____ *Township 46 *Range 42

8. Latitude _____ Longitude _____

9. Data Obtained From: _____ GPS _____ Map _____ Survey _____ Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: Construction _____ Repair _____ Modification _____ Abandonment

11.*Specify Intended Use(s) of Well(s):
 Domestic _____ Landscape Irrigation _____ Agricultural Irrigation _____ Site Investigation
 Bottled Water Supply _____ Recreation Area Irrigation _____ Livestock _____ Monitoring
 Public Water Supply (Limited Use/DOH) _____ Nursery Irrigation _____ Test _____
 Public Water Supply (Community or Non-Community/DEP) _____ Commercial/Industrial _____ Earth-Coupled Geothermal
 Class I Injection _____ Golf Course Irrigation _____ HVAC Supply _____
 HVAC Return _____
 Class V Injection: _____ Recharge _____ Commercial/Industrial Disposal _____ Aquifer Storage and Recovery _____ Drainage
 Remediation: _____ Recovery _____ Air Sparge _____ Other (Describe) _____
 Other (Describe) _____

12.*Drill Method: _____ Auger _____ Cable Tool _____ Rotary _____ Combination (Two or More Methods) _____ Jetted _____ Sonic
 _____ Horizontal Drilling Hydraulic Point (Direct Push) _____ Other _____

13.*Measured Static Water Level 2 ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: _____ Yes _____ No

15.*Casing Material: _____ Black Steel _____ Galvanized PVC _____ Stainless Steel _____ Not Cased _____ Other _____

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: _____ Other (Explain) _____

From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____

18.*Surface Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

19.*Primary Casing Diameter and Depth:
 Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

20.*Liner Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

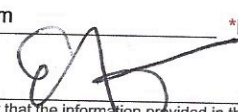
21.*Telescope Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

22. Pump Type (If Known): _____ Centrifugal _____ Jet _____ Submersible _____ Turbine

Horsepower _____ Pump Capacity (GPM) _____

Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
 Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
 _____ Laboratory Test _____ Field Test Kit

24. Water Well Contractor:
 *Contractor Name Erin Fromm *License Number 11313 E-mail Address Jaee@bellsouth.net
 *Contractor's Signature  *Driller's Name (Print or Type) w smitherman
 (I certify that the information provided in this report is accurate and true.)



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable)

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number 6-17-280WP
2.*Number of permitted wells constructed, repaired, or abandoned 4
3.*Owner's Name Fairway Investors LLC
4.*Completion Date 4/6/17
5. Florida Unique ID
6. 451 Century Blvd, Deerfield Beach
7.*County Broward
8. Latitude
9. Data Obtained From: GPS Map Survey

10.*Type of Work: Construction
11.*Specify Intended Use(s) of Well(s):
Domestic
Bottled Water Supply
Public Water Supply (Limited Use/DOH)
Public Water Supply (Community or Non-Community/DEP)
Class I Injection
Class V Injection: Recharge
Remediation: Recovery

12.*Drill Method: Hydraulic Point (Direct Push)
13.*Measured Static Water Level 2 ft.
14.*Measuring Point(Describe)
15.*Casing Material: PVC
16.*Total Well Depth 15 ft. Cased Depth 5 ft. Open Hole: From 0 To 0 ft. Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment:
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

18.*Surface Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

19.*Primary Casing Diameter and Depth:
Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement Bentonite Other

20.*Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

21.*Telescope Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine
23. Chemical Analysis (When Required): Iron ppm Sulfate ppm Chloride ppm

24. Water Well Contractor:
*Contractor Name Erin Fromm
*License Number 11313
E-mail Address Jae@bellsouth.net
*Contractor's Signature
*Driller's Name (Print or Type) w smitherman

(I certify that the information provided in this report is accurate and true.)



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

Official Use Only

- Southwest
 - Northwest
 - St. Johns River
 - South Florida
 - Suwannee River
 - DEP
 - Delegated Authority (If Applicable) _____
- PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

1.*Permit Number 6-17-279WP *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 7 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Fairway Investors LLC 4.*Completion Date 4/6/17 5. Florida Unique ID _____

6. 450 Century Blvd, Deerfield Beach
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Broward *Section 2 Land Grant _____ *Township 46 *Range 42

8. Latitude _____ Longitude _____

9. Data Obtained From: _____ GPS _____ Map _____ Survey _____ Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: Construction _____ Repair _____ Modification _____ Abandonment

11.*Specify Intended Use(s) of Well(s):
 Domestic _____ Landscape Irrigation _____ Agricultural Irrigation _____ Site Investigation
 Bottled Water Supply _____ Recreation Area Irrigation _____ Livestock _____ Monitoring
 Public Water Supply (Limited Use/DOH) _____ Nursery Irrigation _____ Test _____
 Public Water Supply (Community or Non-Community/DEP) _____ Commercial/Industrial _____ Earth-Coupled Geothermal
 Class I Injection _____ Golf Course Irrigation _____ HVAC Supply _____
 Class V Injection: _____ Recharge _____ Commercial/Industrial Disposal _____ Aquifer Storage and Recovery _____ Drainage
 Remediation: _____ Recovery _____ Air Sparge _____ Other (Describe) _____
 Other (Describe) _____

12.*Drill Method: _____ Auger _____ Cable Tool _____ Rotary _____ Combination (Two or More Methods) _____ Jetted _____ Sonic
 _____ Horizontal Drilling Hydraulic Point (Direct Push) _____ Other _____

13.*Measured Static Water Level 2 ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point(Describe) _____ Which is _____ ft. Above _____ Below Land Surface *Flowing: _____ Yes _____ No

15.*Casing Material: _____ Black Steel _____ Galvanized PVC _____ Stainless Steel _____ Not Cased _____ Other _____

16.*Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size .010

17.*Abandonment: _____ Other (Explain) _____

From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____
From _____ ft. To _____ ft.	No. of Bags _____	Seal Material (Check One):	Neat Cement _____	Bentonite _____	Other _____

18.*Surface Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

19.*Primary Casing Diameter and Depth:
 Dia 2 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

20.*Liner Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

21.*Telescope Casing Diameter and Depth:
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
 Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____

22. Pump Type (If Known):
 _____ Centrifugal _____ Jet _____ Submersible _____ Turbine
 Horsepower _____ Pump Capacity (GPM) _____
 Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
 Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
 _____ Laboratory Test _____ Field Test Kit


24. Water Well Contractor:
 *Contractor Name Erin Fromm *License Number 11313 E-mail Address Jaee@bellsouth.net

*Contractor's Signature _____ *Driller's Name (Print or Type) w smitherman
 (I certify that the information provided in this report is accurate and true.)

HSWMR

Hazardous Substance & Waste Management Research, Inc.

2976 Wellington Circle West
Tallahassee, Florida 32309
Phone: (850) 681-6894
Fax: (850) 906-9777
www.hswmr.com

FROM: Christopher M. Teaf, Ph.D. 
President & Director of Toxicology Douglas J. Covert
Project Manager

TO: E. Lee Worsham, Esq.
Shutts & Bowen, LLP

DATE: 1 November 2017

SUBJECT: Former Hillsboro Pines Golf Course Focused Risk Assessment

INTRODUCTION

At your request, we have reviewed the 2017 soil sampling results that were provided by Mr. Edward Rahrig, P.G. as part of his Site Assessment Report (Rahrig, 2017) for the Broward County property formerly known as Hillsboro Pines Golf Course (the Site). The sampling and analysis were conducted to characterize the Site with specific attention to arsenic soil concentrations, based upon historical knowledge regarding conditions at some former golf course sites in Florida (Cai, et al., 2001; Snyder and Cisar, 2002). Due to historical, legal, and approved uses of arsenical herbicides and pesticides on golf courses, it is not surprising that residual levels of arsenic commonly have been found at former golf course sites, and this finding typically is not judged to pose a health threat to golfers or other site visitors. Of particular interest in the context of this evaluation are observed conditions on Parcels 1, 2, 3, and the western half of Parcel 4 (see Figure 1 in Attachment A to this Focused Risk Assessment). Those specific areas are undeveloped former golf course lands bordered by multifamily residential buildings, parking lots, or roadways. Our understanding is that the intent is to transfer ownership of some or all of these areas to the CVE Master Management Company, Inc., with a planned use of the property for green space or recreational park activities, accompanied by a formal institutional control.

DATA SUMMARY & ANALYSIS

Although arsenic in soil is the primary subject of this focused risk assessment, it is understood that a 2014 site investigation evaluated metals, herbicides and pesticides in both soil and groundwater, as well as arsenic in lake sediments. Arsenic was the only analyte in that historical investigation that was consistently reported in soil at concentrations in excess of its Florida Department of Environmental Protection (FDEP) default direct exposure Soil Cleanup Target Level (SCTL) for residential use (2.1 mg/kg). A few groundwater samples contained arsenic in excess of its Groundwater CTL (GCTL), and dieldrin was reported in one single groundwater sample in excess of its GCTL. A formal institutional control is planned to prohibit access to and use of groundwater beneath the Site. Thus, groundwater is not further evaluated in this focused risk evaluation.

The soil sampling and analytical activities that were conducted in February and May of 2017, which form the basis for this current evaluation, were limited to arsenic. Table 1 in Attachment B to this focused risk assessment presents the results for arsenic analyses in soil samples collected from Parcels 1, 2, 3, and the western portion of Parcel 4 in the 0 to 2 feet below land surface (bls) interval. That interval represents soils that have the reasonable potential likelihood of being encountered directly by various site individuals on a routine basis. It also represents the definition of “surface soil” as typically stipulated by the FDEP, including in their application of default residential SCTLs. Deeper soils (>2 feet bls) would be encountered much less frequently and only by specialized receptors such as construction and utility workers. The deeper analytical results for the Site, which show a general decrease in concentration with increased depth, and the results for other locations on the Site, are discussed in detail in the Site Assessment Report (Rahrig, 2017). Because it is not expected that soils will be disturbed, per the institutional control, deeper soils are not evaluated further.

As presented on Table 1, within the 0 to 2 foot bls interval, two samples were collected from each boring; one from 6 inches bls and one from 2 feet bls. In addition to the raw data presented on Table 1, Table 2 in Attachment B presents summary statistics for surface soil arsenic concentrations in Parcels 1, 2, 3, and the western portion of Parcel 4. Consistent with FDEP guidance, the U.S. Environmental Protection Agency (USEPA) computer program ProUCL v5.1 (USEPA, 2015) was used to calculate the summary statistics. The statistical values of primary interest to environmental investigations and to human health exposure assessments are the mean detected concentration, and the refined, more protective representation of the mean, defined as the 95% Upper Confidence Limit (UCL) of the mean concentration. When used in human health exposure assessments and risk assessments, these values are termed Exposure Point Concentrations (EPCs). As shown on Table 2, the 95% UCL concentration for the combined surficial interval dataset (3.4 mg/kg) was greater than the default residential SCTL for arsenic of 2.1 mg/kg. Thus, a more detailed investigation of actual exposure conditions and potential risk at the Site is appropriate.

EXPOSURE ASSESSMENT & RISK EVALUATION

At a site such as the former Hillsboro Pines Golf Course property (undeveloped land bordered on all sides by multifamily residential buildings, parking lots, or roadways), some level of direct human exposure to soil reasonably may be anticipated for receptors participating in such activities as recreational use or infrequent visitation, and occupational use. It is noted that Century Village East (CVE) is an adult-only residential community (e.g., minimum 55 years of age requirement for occupancy), so the default residential arsenic SCTL scenario developed by FDEP, which assumes aggregated child/adult exposures, is not strictly applicable, except for initial screening purposes. The following sections of this focused risk assessment describe reasonable non-residential exposure scenarios that are applicable to direct contact soil exposure potential at the Site.

Recreational Visitor (Park User) Scenario

Regarding potential recreational exposures, such as may occur in the planned, dedicated undeveloped park or green space areas of the Site, it is assumed that oral, dermal, and inhalation exposure may occur to a child/adolescent for 15 years (pre-K to grade 12 school years), with a body weight of 39 kg (USEPA, 2011; 50th percentile values for age groups from 3-17; Table 8-3), a soil ingestion rate of 120 mg/day (3 years at 200 mg/day and 12 years at 100 mg/day; USEPA, 2011, Table 5-1), an exposure frequency of 192 days/year (assuming 5 days/week during school year (180 days) plus 1 day/week during summer (12 days)), and a target cancer risk goal of one-in-one-million (1×10^{-6} or 1E-06; FDEP, 2005). These are considered to be highly conservative assumptions for the current evaluation, given the adult-only residential characteristic of the community and the lack of specific desirable features for a child/adolescent visitor (e.g., playground equipment). The algorithm and exposure assumptions that were used to develop the recreational use Alternative SCTL (ASCTL) for arsenic of 5.7 mg/kg are presented on Figure 2 in Attachment A to this focused risk assessment.

Table 3 in Attachment B to this focused risk assessment presents Site concentrations (EPCs) compared with potentially applicable SCTLs and ASCTLs. As shown on Table 3, the 95% UCL concentrations for the 6" interval (4.9 mg/kg), the 2' interval (2.3 mg/kg), and for the combined dataset (3.4 mg/kg) are below the recreational user ASCTL of 5.7 mg/kg. Use of other park/visitor scenarios with older age groupings would yield less restrictive (higher) ASCTLs. It is also specifically worth noting that the 95% UCL for the 0 to 2 foot bls interval for each parcel (Parcels 1, 2, 3, and western portion of 4) individually is less than 5.7 mg/kg.

Occupational (Maintenance, Landscaping) Scenario

In addition to the default residential SCTL and the above-described recreational ASCTL, Table 3 also presents the FDEP default industrial/commercial SCTL of 12 mg/kg. That SCTL is described by FDEP as

intended for workers having primarily indoor work responsibilities, with incidental soil/indoor dust ingestion assumed at 50 mg/day for 5 days per week (250 days/year) and a 25 year work duration. With the planned exclusion of residential use at the Site, this default industrial scenario may have some regulatory application; however, development of a more site-specific outdoor worker scenario is appropriate in this instance.

For the adult maintenance/landscape worker scenario, it is assumed that a worker may work at the Site two days per week (100 days/year exposure frequency; EF) for 25 years (ED 25 years). It further is assumed, based on the outdoor worker guidance from the USEPA (2014) OSWER Directive 9200.1-120, that this worker will have a 100 mg/day soil ingestion rate and 3,527 cm² exposed skin surface area. The algorithm and exposure assumptions that were used to develop the landscaper or maintenance worker ASCTL for arsenic of 16 mg/kg` are presented on Figure 2 in Attachment A to this focused risk assessment. As shown on Table 3 in Attachment B, none of the Site EPCs approach the site-specific outdoor worker ASCTL of 16 mg/kg.

SUMMARY & CONCLUSIONS

Based on our review of the available reports and analytical results, and based on the site-specific exposure assessment and risk characterization, we conclude that the surficial soils (0 to 2 feet bls) on Parcels 1, 2, 3 and the western portion of Parcel 4 at the former Hillsboro Pines Golf Course property do not pose a health concern for users of the property under recreational (i.e., park use) and/or occupational (i.e., landscape/maintenance worker) exposure considerations, as contemplated in the planned institutional control for the Site. This conclusion takes into consideration the soil conditions, as well as the conservative and protective exposure assumptions described previously in this document. Specifically, the site-wide 95% UCL of the mean concentration for arsenic in soils from 0 to 2 feet bls (3.4 mg/kg) is well below (~40% below) the most protective SCTL of 5.7 mg/kg (recreational use scenario). It is also specifically worth noting that the 95% UCL for the 0 to 2 foot bls interval for

each parcel (Parcels 1, 2, 3, and western portion of 4) individually is less than 5.7 mg/kg.

Attachment A contains the associated figures, Attachment B contains the relevant tables, and Attachment C contains a copy of the ProUCL statistical output files.

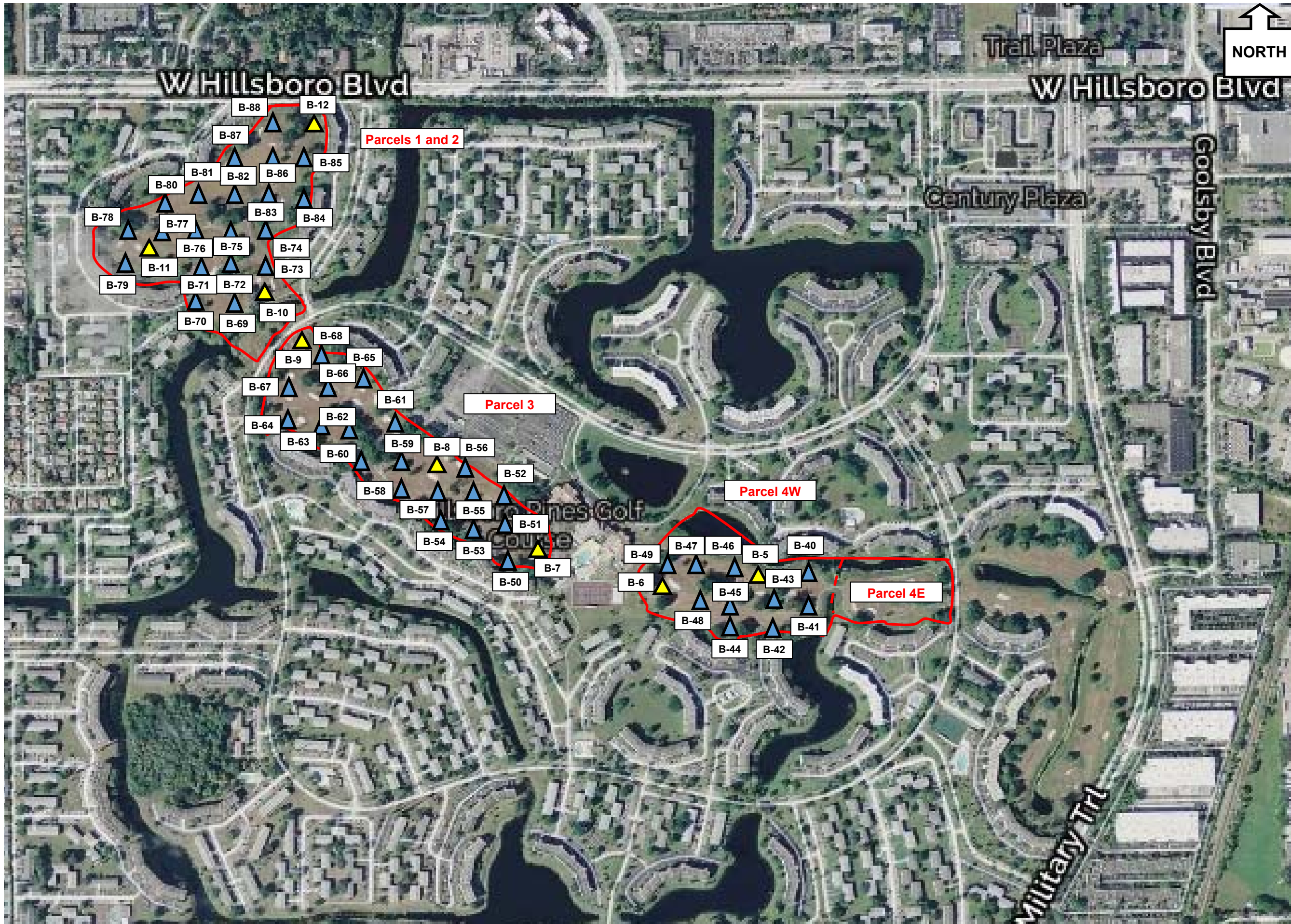
Once you have had the opportunity to review this Focused Risk Assessment, please do not hesitate to call us at (850) 681-6894 to discuss any questions or uncertainties.

References Cited:

- FDEP (Florida Department of Environmental Protection). 2005. Technical Report: Development of Cleanup Target Levels for Chapter 62-777, F.A.C. February 2005
- Rahrig, E. 2017. Draft Site Assessment Report; former Hillsboro Pines Golf Course. September, 2017.
- USEPA (U.S. Environmental Protection Agency). 2004. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). EPA/540/R/99/005. July 2004.
- USEPA (U.S. Environmental Protection Agency). 2011. Exposures Factor Handbook: 2011 Edition. EPA/600/R-090/052F. September 2011.
- USEPA (U.S. Environmental Protection Agency). 2014. Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120. February 6, 2014.
- USEPA (U.S. Environmental Protection Agency). 2015. Statistical Software ProUCL 5.1.002 for Environmental Applications for Data Sets with and without Nondetect Observations. October 2015.

ATTACHMENT A

Figures



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Site Assessment Report
 Hillsboro Pines Golf Course
 Century Boulevard
 Deerfield Beach, Florida

Soil Boring Location Map Parcels 1 through 4	Drawn By	ER
	Date:	September 3, 2017
	Job No.:	62102.05
	Figure No.:	1

LEGEND




-  SAR Boring Location
-  pBSAR Boring Location
-  Parcel Outline (approximate)

Figure 2

ASCTL based on Direct Exposure to Arsenic in Soil

$$ASCTL = \frac{TR \times BW \times AT}{EF \times ED \times FC \times (A + B + C)}$$

where, for carcinogenic effects :

$$A = SF_o \times IR_o \times \frac{1}{BAF_o} \times CF_1$$

$$B = SF_d \times SA \times AF \times DA \times CF_1$$

$$C = SF_i \times IR_i \times \frac{1}{PEF}$$

Exposure Parameter	Description	Scenario-/Chemical-Specific Values	
		Child/Adolescent Recreational User	Adult Landscape Maintenance Worker
ASCTL	Alternative Soil Cleanup Target Level for arsenic expressed in mg/kg.	5.7	16
TR (carcinogens)	Target Risk for carcinogens (dimensionless).	1.0E-06	1.0E-06
BW	Body Weight expressed in kg (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	39	80
AT (carcinogens)	Averaging Time (period over which exposure is averaged) for carcinogens expressed in days.	25,550	25,550
EF	Exposure Frequency expressed in days/yr (professional judgment).	192	100
ED	Exposure Duration expressed in years.	15	25
FC	Fraction Contacted (ingested or absorbed) from contaminated source (assumed 100%).	1.0	1.0
A	Oral component equation.	6.0E-05	5.0E-05
B	Dermal component equation.	1.3E-06	6.7E-07
C	Inhalation component equation.	1.6E-07	2.4E-07
SF _o	Oral Slope Factor expressed in (mg/kg•day) ⁻¹ .	1.50E+00	1.50E+00
SF _d	Dermal Slope Factor expressed in (mg/kg•day) ⁻¹ (SF _o / GIABS of 95%; FDEP, 2005).	1.58E+00	1.58E+00
SF _i	Inhalation Slope Factor expressed in (mg/kg•day) ⁻¹ (extrapolated; FDEP, 2005).	1.51E+01	1.51E+01
IR _o	Oral Ingestion Rate for soil expressed in mg/day (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	120	100
BAF _o	Oral Bioavailability Adjustment Factor (FDEP, 2005).	3	3
CF ₁	Conversion Factor expressed in kg/mg.	1.0E-06	1.0E-06
SA	Skin Surface Area available for daily contact expressed in cm ² (USEP, 2011 and USEPA, 2014; OSWER 9200.1-120).	4,076	3,527
AF	Soil-to-skin Adherence Factor expressed in mg/cm ² /day (USEPA, 2014; OSWER 9200.1-120).	0.20	0.12
DA (inorganics)	Dermal Absorption factor for arsenic (dimensionless; FDEP, 2005).	0.001	0.001
IR _i	Inhalation rate (m ³ /day; USEP, 2011).	13.3	20
PEF	Particulate Emission Factor expressed in m ³ /kg (default value).	1.24E+09	1.24E+09

Unless otherwise noted, assumptions and algorithms adapted from: FDEP Technical Background Document for Chapter 62-777, February 2005.

ATTACHMENT B

Tables

Table 1

**Arsenic in Surface Soil
Former Hillsboro Pines Golf Course
Deerfield Beach, Florida**

Boring	Parcel	Arsenic at 6" BLS (mg/kg)	Arsenic at 2' BLS (mg/kg)
B-5	P4	2	1.5
B-6	P4	9.8	0.5
B-7	P3	5.5	0.77
B-8	P3	1.5	3.1
B-9	P3	13	1.2
B-10	P1/2	23	0.8
B-11	P1/2	2.9	8.5
B-12	P1/2	2.6	2.9
B-40	P4	2.61	0.777
B-41	P4	2.32	1.08
B-42	P4	0.212	0.093 U
B-43	P4	1.78	0.888
B-44	P4	0.319	0.095 U
B-45	P4	1.71	2.71
B-46	P4	2.38	1.41
B-47	P4	6.92	0.173
B-48	P4	10.5	3.36
B-49	P4	4.56	0.209
B-50	P3	4.64	2.52
B-51	P3	3.34	7.17
B-52	P3	5.3	2.54
B-53	P3	2.14	1.92
B-54	P3	1.01	0.091 U
B-55	P3	0.091 U	1.13
B-56	P3	3.41	1.94
B-57	P3	2.74	2.72
B-58	P3	2.08	2.54
B-59	P3	4.53	7.23
B-60	P3	1.78	1.35
B-61	P3	3.01	1.47
B-62	P3	3.41	1.1
B-63	P3	0.344	0.092 U
B-64	P3	0.345	0.094 U
B-65	P3	3.43	0.845
B-66	P3	2.64	2.61
B-67	P3	4.62	0.73
B-68	P3	3.98	0.396
B-69	P1/2	7.17	0.371
B-70	P1/2	0.754	0.856
B-71	P1/2	10.3	1.81
B-72	P1/2	1.64	1.54
B-73	P1/2	7.28	4.12
B-74	P1/2	2	0.183
B-75	P1/2	2.41	0.67
B-76	P1/2	4.01	1.65
B-77	P1/2	5.77	2.37
B-78	P1/2	1.04	2.08
B-79	P1/2	4.34	3.27
B-80	P1/2	2.36	1.78
B-81	P1/2	2.27	0.825
B-82	P1/2	2.38	2.25
B-83	P1/2	8.11	4.31
B-84	P1/2	0.416	0.131
B-85	P1/2	0.93	0.145
B-86	P1/2	3.48	1.36
B-87	P1/2	2.97	1.11
B-88	P1/2	6.36	0.748

BLS indicates depth of sample below land surface.

U indicates that the noted result is the reported detection limit for arsenic reported as below detectable limits (BDL).

Table 2

Statistical Summary for Arsenic in Surface Soil
Former Hillsboro Pines Golf Course
Deerfield Beach, Florida

Parcels 1/2, 3, and 4 west Arsenic in Soil at...	Frequency of Detection	Minimum Detected Concentration (mg/kg)	Mean Detected Concentration (mg/kg) *	Maximum Detected Concentration (mg/kg)	95% UCL of Mean Concentration (mg/kg) *	FDEP Default Residential SCTL (mg/kg)
6" bls	56 of 57	0.21	4.0	23	4.9	2.1
2' bls	52 of 57	0.13	1.9	8.5	2.3	2.1
Combined	108 of 114	0.13	3.0	23	3.4	2.1

* Mean and 95% UCL of the mean concentrations developed using USEPA ProUCL v 5.1 statistical program.

"bls" indicates depth of sample below land surface.

Table 3

**Exposure Point Concentrations and Potentially Applicable SCTLs
for Arsenic in Surface Soil
Former Hillsboro Pines Golf Course
Deerfield Beach, Florida**

Parcels 1/2, 3, and 4 west Arsenic in Soil at...	EPC	FDEP	FDEP	Site Child/ Adolescent Recreational ASCTL *	Site Landscape Maintenance Worker ASCTL *
	95% UCL of Mean Concentration (mg/kg)	Default Residential SCTL (mg/kg)	Default Industrial SCTL (mg/kg)	(mg/kg)	(mg/kg)
6" bls	4.9	2.1	12	5.7	16
2' bls	2.3	2.1	12	5.7	16
Combined	3.4	2.1	12	5.7	16

* ASCTL developed as detailed on Figure 2 in Attachment A.

"bls" indicates depth of sample below land surface.

ATTACHMENT C

ProUCL Output Files

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation ProUCL 5.19/5/2017 2:42:43 PM
 From File Area 1234 UCL Data.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

As P1234 6"

General Statistics

Total Number of Observations	57	Number of Distinct Observations	53
Number of Detects	56	Number of Non-Detects	1
Number of Distinct Detects	52	Number of Distinct Non-Detects	1
Minimum Detect	0.212	Minimum Non-Detect	0.091
Maximum Detect	23	Maximum Non-Detect	0.091
Variance Detects	14.43	Percent Non-Detects	1.754%
Mean Detects	3.971	SD Detects	3.799
Median Detects	2.82	CV Detects	0.957
Skewness Detects	2.775	Kurtosis Detects	10.9
Mean of Logged Detects	0.997	SD of Logged Detects	0.952

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.755
5% Shapiro Wilk P Value	5.694E-12
Lilliefors Test Statistic	0.198
5% Lilliefors Critical Value	0.118

Normal GOF Test on Detected Observations Only

Detected Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	3.902	KM Standard Error of Mean	0.503
KM SD	3.766	95% KM (BCA) UCL	4.786
95% KM (t) UCL	4.744	95% KM (Percentile Bootstrap) UCL	4.754
95% KM (z) UCL	4.73	95% KM Bootstrap t UCL	5.017
90% KM Chebyshev UCL	5.413	95% KM Chebyshev UCL	6.097
97.5% KM Chebyshev UCL	7.046	99% KM Chebyshev UCL	8.911

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.541
5% A-D Critical Value	0.769
K-S Test Statistic	0.0925
5% K-S Critical Value	0.121

Anderson-Darling GOF Test

Detected data appear Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov GOF

Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.454	k star (bias corrected MLE)	1.388
Theta hat (MLE)	2.731	Theta star (bias corrected MLE)	2.861
nu hat (MLE)	162.8	nu star (bias corrected)	155.4
Mean (detects)	3.971		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	3.901
Maximum	23	Median	2.74

SD	3.801	CV	0.974
k hat (MLE)	1.221	k star (bias corrected MLE)	1.168
Theta hat (MLE)	3.195	Theta star (bias corrected MLE)	3.339
nu hat (MLE)	139.2	nu star (bias corrected)	133.2
Adjusted Level of Significance (β)	0.0458		
Approximate Chi Square Value (133.20, α)	107.5	Adjusted Chi Square Value (133.20, β)	106.9
95% Gamma Approximate UCL (use when $n \geq 50$)	4.832	95% Gamma Adjusted UCL (use when $n < 50$)	4.859

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	3.902	SD (KM)	3.766
Variance (KM)	14.18	SE of Mean (KM)	0.503
k hat (KM)	1.074	k star (KM)	1.029
nu hat (KM)	122.4	nu star (KM)	117.3
theta hat (KM)	3.635	theta star (KM)	3.793
80% gamma percentile (KM)	6.266	90% gamma percentile (KM)	8.923
95% gamma percentile (KM)	11.57	99% gamma percentile (KM)	17.72

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (117.29, α)	93.29	Adjusted Chi Square Value (117.29, β)	92.73
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	4.907	95% Gamma Adjusted KM-UCL (use when $n < 50$)	4.936

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.953	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0.0597	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.125	Lilliefors GOF Test
5% Lilliefors Critical Value	0.118	Detected Data Not Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	3.905	Mean in Log Scale	0.954
SD in Original Scale	3.797	SD in Log Scale	0.997
95% t UCL (assumes normality of ROS data)	4.746	95% Percentile Bootstrap UCL	4.803
95% BCA Bootstrap UCL	4.961	95% Bootstrap t UCL	5.038
95% H-UCL (Log ROS)	5.829		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.938	KM Geo Mean	2.554
KM SD (logged)	1.036	95% Critical H Value (KM-Log)	2.387
KM Standard Error of Mean (logged)	0.138	95% H-UCL (KM -Log)	6.077
KM SD (logged)	1.036	95% Critical H Value (KM-Log)	2.387
KM Standard Error of Mean (logged)	0.138		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	3.902	Mean in Log Scale	0.925
SD in Original Scale	3.8	SD in Log Scale	1.088
95% t UCL (Assumes normality)	4.744	95% H-Stat UCL	6.523

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	4.907	95% GROS Approximate Gamma UCL	4.832
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

General Statistics

Total Number of Observations	57	Number of Distinct Observations	56
Number of Detects	52	Number of Non-Detects	5
Number of Distinct Detects	51	Number of Distinct Non-Detects	5
Minimum Detect	0.131	Minimum Non-Detect	0.091
Maximum Detect	8.5	Maximum Non-Detect	0.095
Variance Detects	3.111	Percent Non-Detects	8.772%
Mean Detects	1.917	SD Detects	1.764
Median Detects	1.44	CV Detects	0.92
Skewness Detects	2.084	Kurtosis Detects	4.99
Mean of Logged Detects	0.259	SD of Logged Detects	0.967

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.786
5% Shapiro Wilk P Value	1.1162E-9
Lilliefors Test Statistic	0.156
5% Lilliefors Critical Value	0.122

Normal GOF Test on Detected Observations Only
 Detected Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	1.757	KM Standard Error of Mean	0.234
KM SD	1.746	95% KM (BCA) UCL	2.141
95% KM (t) UCL	2.147	95% KM (Percentile Bootstrap) UCL	2.17
95% KM (z) UCL	2.141	95% KM Bootstrap t UCL	2.24
90% KM Chebyshev UCL	2.457	95% KM Chebyshev UCL	2.775
97.5% KM Chebyshev UCL	3.215	99% KM Chebyshev UCL	4.081

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.36
5% A-D Critical Value	0.769
K-S Test Statistic	0.071
5% K-S Critical Value	0.126

Anderson-Darling GOF Test

Detected data appear Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov GOF

Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.421	k star (bias corrected MLE)	1.352
Theta hat (MLE)	1.349	Theta star (bias corrected MLE)	1.418
nu hat (MLE)	147.8	nu star (bias corrected)	140.6
Mean (detects)	1.917		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.749
Maximum	8.5	Median	1.35
SD	1.769	CV	1.011
k hat (MLE)	0.815	k star (bias corrected MLE)	0.784
Theta hat (MLE)	2.147	Theta star (bias corrected MLE)	2.233
nu hat (MLE)	92.87	nu star (bias corrected)	89.32
Adjusted Level of Significance (β)	0.0458		
Approximate Chi Square Value (89.32, α)	68.53	Adjusted Chi Square Value (89.32, β)	68.06
95% Gamma Approximate UCL (use when $n \geq 50$)	2.28	95% Gamma Adjusted UCL (use when $n < 50$)	2.296

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	1.757	SD (KM)	1.746
Variance (KM)	3.05	SE of Mean (KM)	0.234
k hat (KM)	1.012	k star (KM)	0.97
nu hat (KM)	115.3	nu star (KM)	110.6
theta hat (KM)	1.736	theta star (KM)	1.811
80% gamma percentile (KM)	2.834	90% gamma percentile (KM)	4.075
95% gamma percentile (KM)	5.319	99% gamma percentile (KM)	8.214

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (110.59, α)	87.32	Adjusted Chi Square Value (110.59, β)	86.78
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	2.225	95% Gamma Adjusted KM-UCL (use when $n < 50$)	2.238

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.953	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0.0671	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.103	Lilliefors GOF Test
5% Lilliefors Critical Value	0.122	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.762	Mean in Log Scale	0.0731
SD in Original Scale	1.757	SD in Log Scale	1.103
95% t UCL (assumes normality of ROS data)	2.151	95% Percentile Bootstrap UCL	2.177
95% BCA Bootstrap UCL	2.231	95% Bootstrap t UCL	2.258
95% H-UCL (Log ROS)	2.855		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.0262	KM Geo Mean	1.027
KM SD (logged)	1.183	95% Critical H Value (KM-Log)	2.631
KM Standard Error of Mean (logged)	0.158	95% H-UCL (KM -Log)	3.135
KM SD (logged)	1.183	95% Critical H Value (KM-Log)	2.631
KM Standard Error of Mean (logged)	0.158		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	1.753
SD in Original Scale	1.766
95% t UCL (Assumes normality)	2.144

DL/2 Log-Transformed

Mean in Log Scale	-0.0327
SD in Log Scale	1.324
95% H-Stat UCL	3.863

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	2.225	95% GROS Approximate Gamma UCL	2.28
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

General Statistics

Total Number of Observations	114	Number of Distinct Observations	102
Number of Detects	108	Number of Non-Detects	6
Number of Distinct Detects	97	Number of Distinct Non-Detects	5
Minimum Detect	0.131	Minimum Non-Detect	0.091
Maximum Detect	23	Maximum Non-Detect	0.095
Variance Detects	9.963	Percent Non-Detects	5.263%
Mean Detects	2.982	SD Detects	3.156
Median Detects	2.26	CV Detects	1.059
Skewness Detects	3.169	Kurtosis Detects	15.18
Mean of Logged Detects	0.642	SD of Logged Detects	1.024

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.731	Normal GOF Test on Detected Observations Only
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.206	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0855	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level**Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs**

KM Mean	2.83	KM Standard Error of Mean	0.294
KM SD	3.125	95% KM (BCA) UCL	3.336
95% KM (t) UCL	3.317	95% KM (Percentile Bootstrap) UCL	3.334
95% KM (z) UCL	3.313	95% KM Bootstrap t UCL	3.451
90% KM Chebyshev UCL	3.712	95% KM Chebyshev UCL	4.111
97.5% KM Chebyshev UCL	4.666	99% KM Chebyshev UCL	5.756

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.582	Anderson-Darling GOF Test
5% A-D Critical Value	0.776	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0857	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.0895	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level**Gamma Statistics on Detected Data Only**

k hat (MLE)	1.25	k star (bias corrected MLE)	1.221
Theta hat (MLE)	2.386	Theta star (bias corrected MLE)	2.441
nu hat (MLE)	270	nu star (bias corrected)	263.8
Mean (detects)	2.982		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.825
Maximum	23	Median	2.08
SD	3.143	CV	1.112
k hat (MLE)	0.872	k star (bias corrected MLE)	0.855
Theta hat (MLE)	3.239	Theta star (bias corrected MLE)	3.304
nu hat (MLE)	198.9	nu star (bias corrected)	195
Adjusted Level of Significance (β)	0.0479		
Approximate Chi Square Value (194.96, α)	163.7	Adjusted Chi Square Value (194.96, β)	163.3
95% Gamma Approximate UCL (use when $n \geq 50$)	3.366	95% Gamma Adjusted UCL (use when $n < 50$)	3.373

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.83	SD (KM)	3.125
Variance (KM)	9.768	SE of Mean (KM)	0.294
k hat (KM)	0.82	k star (KM)	0.804
nu hat (KM)	186.9	nu star (KM)	183.3
theta hat (KM)	3.452	theta star (KM)	3.52
80% gamma percentile (KM)	4.623	90% gamma percentile (KM)	6.872
95% gamma percentile (KM)	9.163	99% gamma percentile (KM)	14.57

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (183.29, α)	153	Adjusted Chi Square Value (183.29, β)	152.6
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	3.39	95% Gamma Adjusted KM-UCL (use when $n < 50$)	3.398

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.966	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0.055	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0857	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0855	Detected Data Not Lognormal at 5% Significance Level
Detected Data appear Approximate Lognormal at 5% Significance Level		

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.834	Mean in Log Scale	0.519
SD in Original Scale	3.135	SD in Log Scale	1.126
95% t UCL (assumes normality of ROS data)	3.321	95% Percentile Bootstrap UCL	3.322
95% BCA Bootstrap UCL	3.448	95% Bootstrap t UCL	3.428
95% H-UCL (Log ROS)	4.057		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.482	KM Geo Mean	1.619
KM SD (logged)	1.202	95% Critical H Value (KM-Log)	2.414
KM Standard Error of Mean (logged)	0.113	95% H-UCL (KM -Log)	4.38
KM SD (logged)	1.202	95% Critical H Value (KM-Log)	2.414
KM Standard Error of Mean (logged)	0.113		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	2.827
SD in Original Scale	3.141
95% t UCL (Assumes normality)	3.315

DL/2 Log-Transformed

Mean in Log Scale	0.446
SD in Log Scale	1.299
95% H-Stat UCL	4.937

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	3.39	95% GROS Approximate Gamma UCL	3.366
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

APPENDIX G
Site Photographs



Site 01 – Shell Station and car wash, 1011 S Powerline Road, five underground tanks on north side of property, active gas station

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 02 – Deerfield Beach City-Well FA-2, 2450 SW 10th Street, active city well; the emergency generator AST was observed in the field.

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 03 – Home Aide Diagnostics, Inc. (Formerly Konica Graphic Imaging Intl. Inc.), 1072 S Powerline Road; facility currently operates as a wholesale medical supplier

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
Broward County, Florida
Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 04 – All Med Pharmacy, 1052 S Powerline Road, active pharmacy; generator and AST were observed in the field

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291



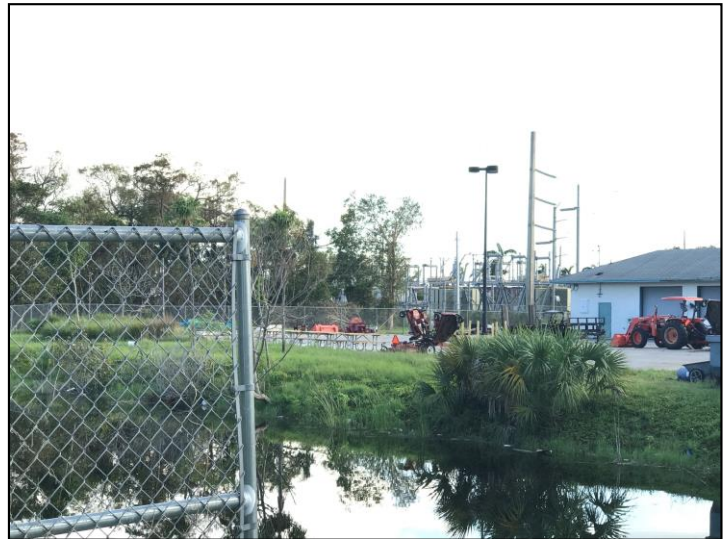


Site 05 – Public Storage (Formerly Farmer & Irwin Corp.), 3301 SW 11th Street, active commercial public storage business; no ASTs were observed.

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 06 – Quiet Waters Park Debris Staging Area, 401 S Powerline Road

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 07 – Devcon, 3165 SW 10th Street; site not accessible to public, therefore generator was not able to be confirmed as present or not onsite

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
Broward County, Florida
Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 08 - Ryan Inc. Eastern Shop, 1071 SW 30th Avenue; currently operates as a Solatube dealer installing residential daylighting and solar-powered attic ventilation



Site 09 - United Wholesale, 1027 SW 30th Avenue, active medical technology manufacturer

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 10 – Vacant Storefront, 1141 S Military Trail, former dry cleaner



Site 11 – Neighborhood Walmart, 1101 S Military Trail, active grocery store

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 12 – City of Deerfield Beach/Turner Envirolgic, 1140 SW 34th Avenue; this site has a Brownfield Area designation

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 13 – Signs and Graphics by RJ, 3300 SW 11th Street, former roofing and asphalt company, no storage tanks observed; this site has a Brownfield Area designation

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 14 – JKG Group, 740 S Powerline Road, active marketing firm

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
Broward County, Florida
Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 16 – Man-Con Inc, 3460 SW 11th Street, could not confirm presence or absence of storage tanks

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 17 – Nanak’s Landscaping, 998 S Military Trail, AST confirmed

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 18 – Cache Cleaners, 1151 S Powerline Road, onsite dry cleaning facility

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 19 – Deerfield Beach City-Well #17, 994 S Military Trail, active well; AST confirmed onsite

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 20 – Rexall Sundown, 1111 SW 30th Avenue, one underground storage tank

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 21 – Entegra Roof Tile (Formerly Hanson Roof Tile), 1340 SW 34th Avenue, presence or absence of ASTs were not confirmed

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291





Site 22 – Hardrives Asphalt Co, 1200 S Powerline Road, ASTs were confirmed

SITE RECONNAISSANCE PHOTOS

Project Development and Environment (PD&E) Study – SR 869/SW 10th Street from Sawgrass Expressway to I-95
 Broward County, Florida
 Financial Project ID: 428400-2-22-02; Federal Aid Number: N/A; ETDM Number: 14291

