APPENDIX A

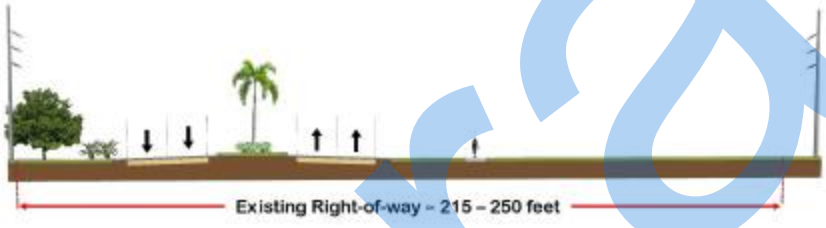
Proposed Typical Sections

Draft

Potential Typical Sections

North Alignment with Ramps

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



Draft

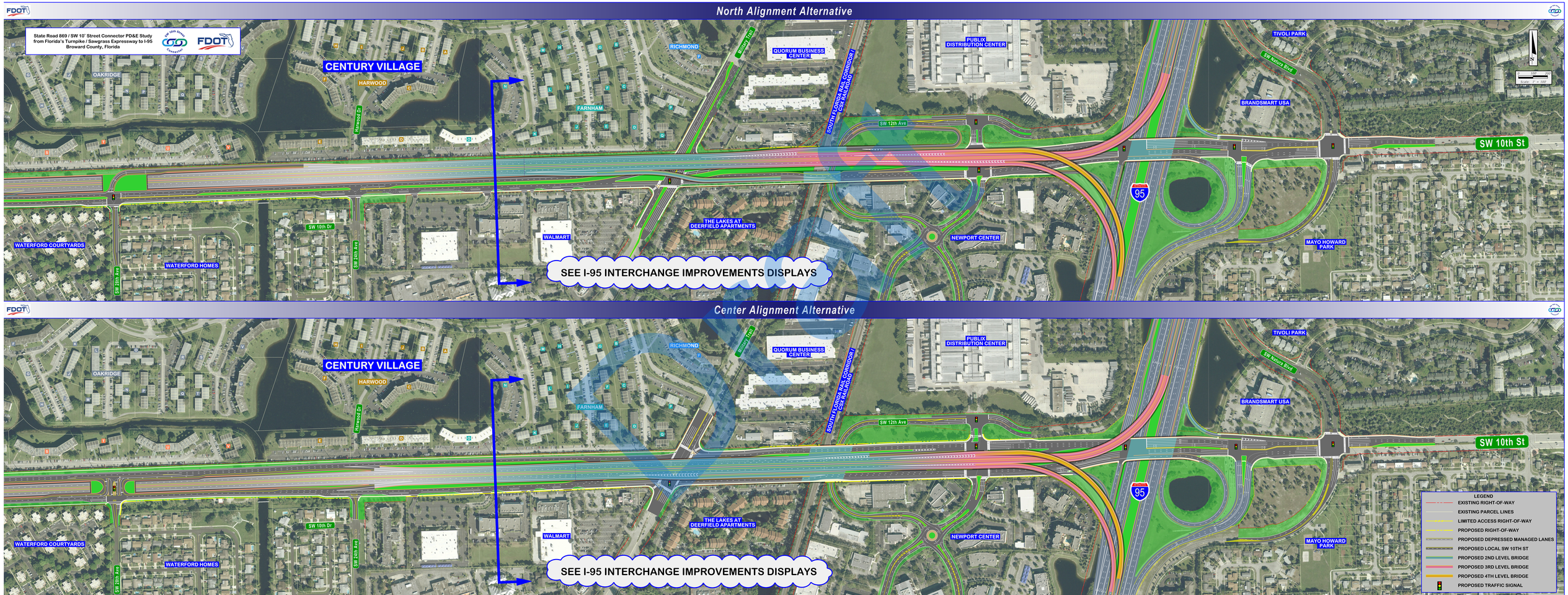
APPENDIX B

Conceptual Plans

Draft

North Alignment Alternative

Center Alignment Alternative


North Alignment Alternative
State Road 869 / SW 10' Street Connector PD&E Study
from Florida's Turnpike / Sawgrass Expressway to I-95
Broward County, Florida
SW 10th Street Connector
FDOT
CENTURY VILLAGE
HARWOOD
OAKRIDGE
Harwood Dr
FARNHAM
RICHMOND
Miller Trail
QUORUM BUSINESS CENTER
SOUTHERN BOULEVARD CORRIDOR
PUBLIX DISTRIBUTION CENTER
TIVOLI PARK
SW Nature Blvd
BRANDSMART USA
SW 12th Ave
SW 10th St
I-95
THE LAKES AT DEERFIELD APARTMENTS
WALMART
NEWPORT CENTER
MAYO HOWARD PARK
WATERFORD COURTYARDS
WATERFORD HOMES
SW 10th Dr
SW 24th Ave
SW 28th Ave
SEE I-95 INTERCHANGE IMPROVEMENTS DISPLAYS
Center Alignment Alternative
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

Draft

GeoSearch
On time. On target. In touch.™

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

Draft

Order #: 108386
Job #: 237814
Project #: 140504000
PO #: 140504000
Date: 05/16/2018

Table of Contents

Target Property Summary 1

Database Summary 2

Database Radius Summary 7

Radius Map 12

Ortho Map 14

Topographic Map 15

Located Sites Summary 15

Unlocated Sites Summary 145

Environmental Records Definitions 147

Unlocatable Report . . . . . See Attachment

Zip Report . . . . . See Attachment

Draft

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.

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.

Draft

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).

Draft

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

Draft

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	SEMSLIENS	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	

Draft

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	

Draft

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	

Draft

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	

Draft

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
NPDESR04	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**

Draft

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

Draft

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

Draft

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

Draft

Database Radius Summary

TRIBAL LISTING

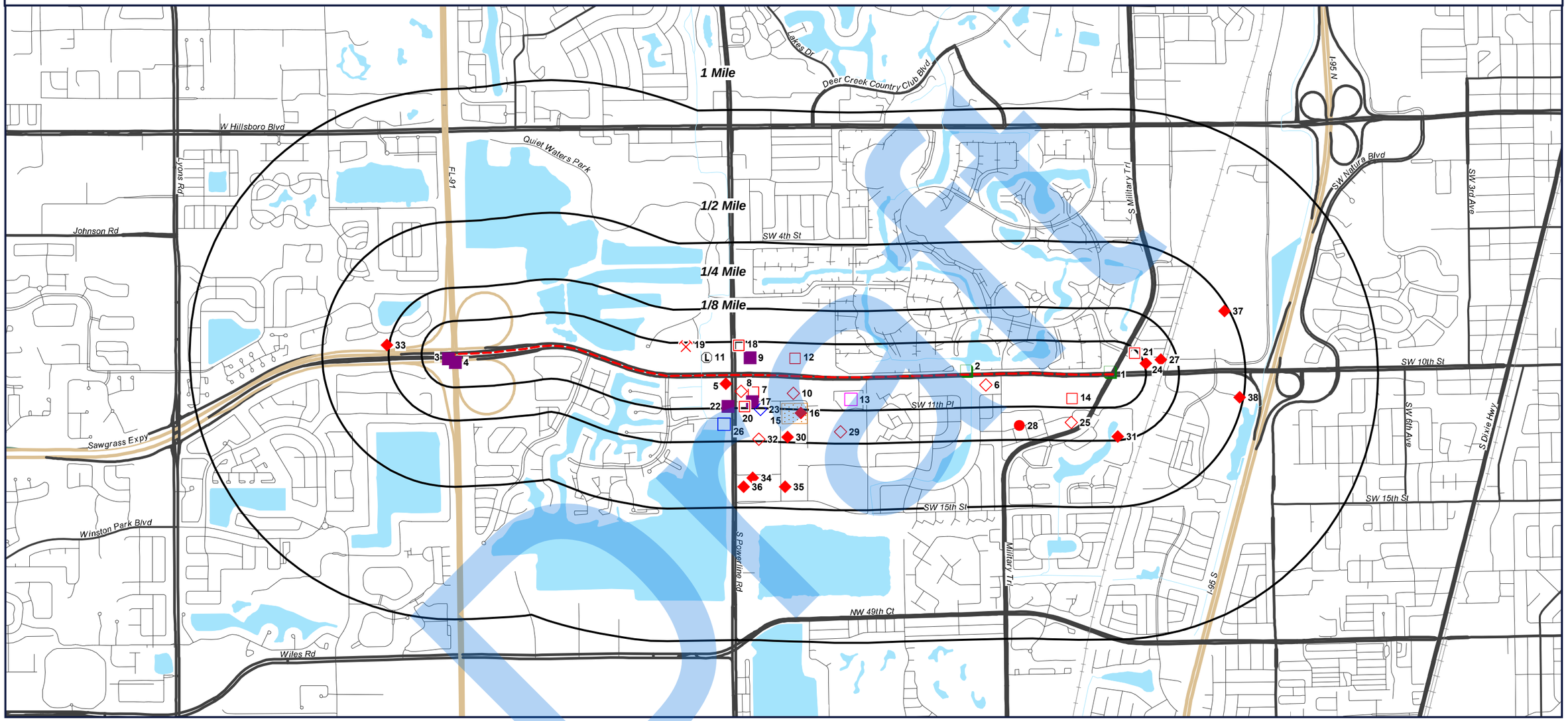
*Standard environmental records are displayed in **bold**.*

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
TOTAL		8	36	37	14	0	0	95

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Draft

RADIUS MAP



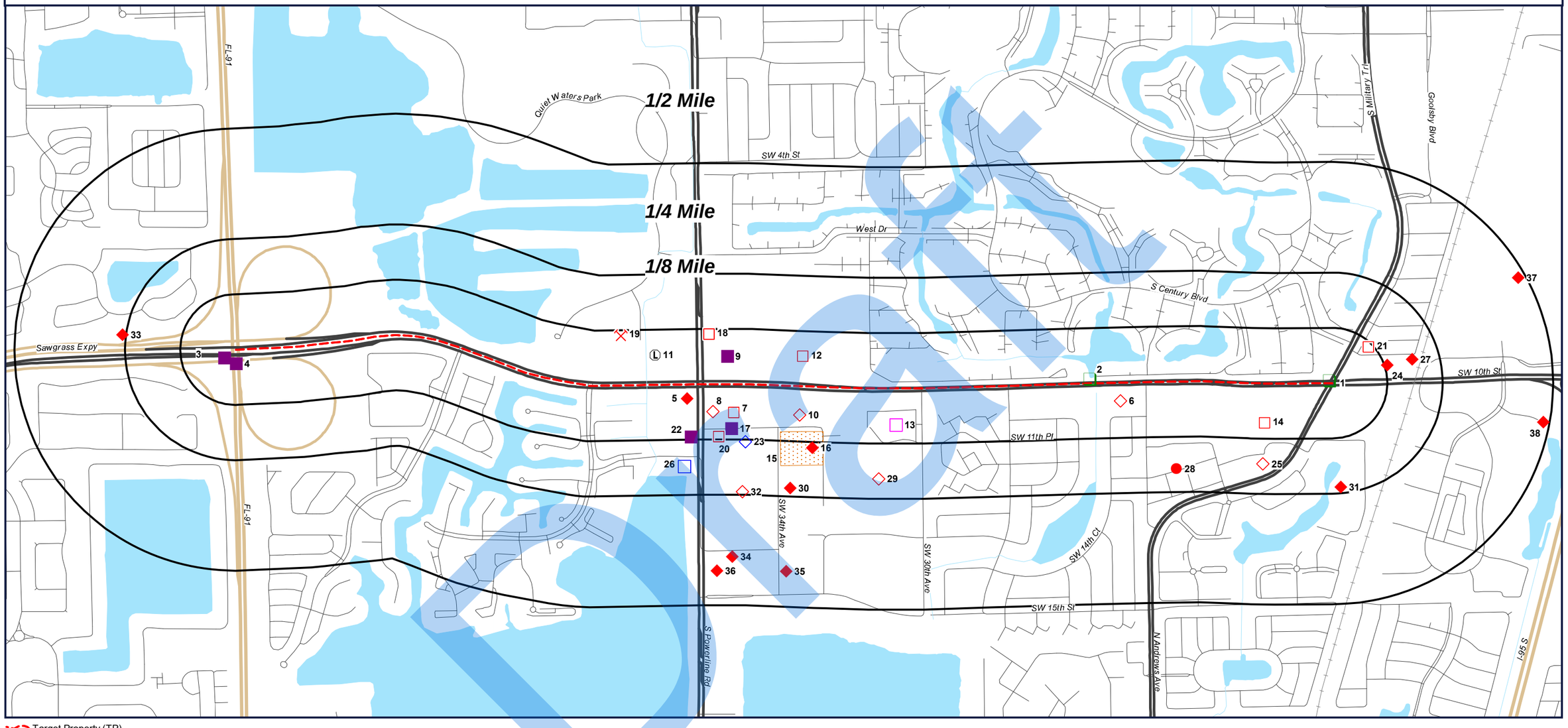
Target Property (TP)
FRSFL
NPDES
LUAST
AST
RCRAGR04
UST
SWF
RCRANGR04
BF
MRDS
CLEANERS
BCBF

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

N
W E
S

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

RADIUS MAP



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

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

N
W E
S

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

ORTHOPHOTO MAP

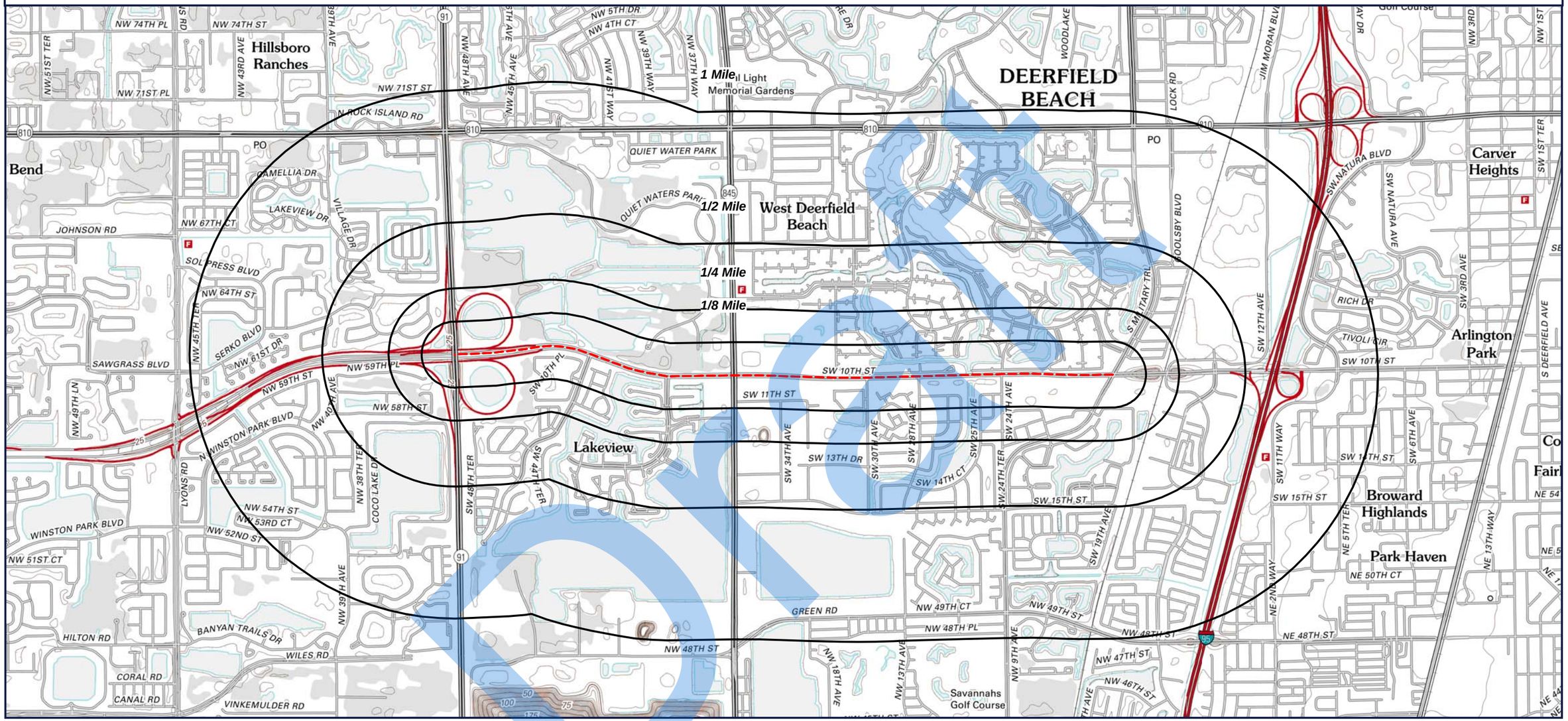
- Target Property (TP)
- FRSFL
- NPDES
- LUAST
- AST
- RCRAGR04
- UST
- SWF
- RCRANGR04
- BF
- MRDS
- CLEANERS
- BCBF

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

N
W E
S

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

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

N
W E
S

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

GeoSearch www.geo-search.com - phone: 866-396-0042 - fax: 512-472-9967

JOB #: 237814 - 5/15/2018

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	FLR10IF87INPDES	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	FLR10LU90INPDES	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***

Draft

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	HISTCLEANERS	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***

Draft

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

Draft

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	HISTCLEANERS	9500804HIST	0.198 mi. S (1045 ft.)	ONE STOP DRY CLEANER	1323 S MILITARY TRL, DEERFIELD BEACH, FL 33442	108
28	HISTCLEANERS	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 MILTARY TRL, DEERFIELD BEACH, FL 32442***	***116***
31	***UST***	***8733265UST***	***0.238 mi. S (1257 ft.)***	***MARRIOTT HORIZON CLUB***	***1208 S MILTARY 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 03-2I-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	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***

Draft

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***

Draft

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

Draft

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

Back to Report Summary

Draft

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**

Draft

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 -

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Draft

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

Back to Report Summary

Draft

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..

Draft

- NOT REPORTED -

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Draft

CONTENT: **D. VEHICULAR DIESEL**
TANK SIZE: **8000**
INSTALLED DATE: **12/8/1998**
CONSTRUCTION: **F. FIBERGLASS-CLAD STEEL**

Back to Report Summary

Draft

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**

Florida Oculus
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**
CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **09/25/2017**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER: **MOORE_JJ**
SITE MANAGER END DATE: **09/26/2017**
SCORE: **6**
SCORE EFFECTIVE DATE: **06/29/2015**
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**

Draft

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**

Back to Report Summary

Draft

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

Draft

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

Draft

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

Back to Report Summary

Draft

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**

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-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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

Resource Conservation & Recovery Act - Generator (RCRAGR04)

MAP ID# 7 **Distance from Property: 0.062 mi. (327 ft.) S**

FACILITY INFORMATION

EPA ID#: **FLR000076695**
NAME: **KONICA GRAPHIC IMAGING INTL INC**
ADDRESS: **1072 S POWERLINE RD**
DEERFIELD BEACH, FL 33442-8119
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 -**

OWNER TYPE: **PRIVATE**
OWNER NAME: **KONICA GRAPHIC IMAGING INTL INC**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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

Draft

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)**

Back to Report Summary

Draft

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
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 -**

OWNER TYPE: **NOT REPORTED**
OWNER NAME: **NOT REPORTED**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Draft

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

MAP ID# 13 **Distance from Property: 0.084 mi. (444 ft.) S**

FACILITY INFORMATION

EPA ID#: **FLD982139628**
NAME: **RYAN INC EASTERN SHOP**
ADDRESS: **1071 SW 30TH AVE**
DEERFIELD BEACH, FL 33442-8104
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 -**

OWNER TYPE: **PRIVATE**
OWNER NAME: **JERRY STEWART**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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.**

Draft

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

Back to Report Summary

Draft

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**

OWNER TYPE: **PRIVATE**
OWNER NAME: **ALAN PELLER**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT REPORTED**

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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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**

Draft

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)

Draft

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

Back to Report Summary

Draft

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 -**

OWNER TYPE: **PRIVATE**
OWNER NAME: **KOUROSH ALIPOUR**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Back to Report Summary

Draft

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:	CLASS:	CLASS STATUS:
INACTIVE	**WASTE TIRE COLLECTOR**	**INACTIVE (I)**

Back to Report Summary

Draft

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**

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Draft

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:	RESIDENTIAL:	COMMERCIAL:	INDUSTRIAL:
NOT REPORTED	**NOT REPORTED**	**NOT REPORTED**	**NOT REPORTED**

FUTURE USE (ACREAGE):

GREENSPACE:	RESIDENTIAL:	COMMERCIAL:	INDUSTRIAL:
NOT REPORTED	**NOT REPORTED**	**NOT REPORTED**	**NOT REPORTED**

PROPERTY HIGHLIGHT:

NOT REPORTED

PROPERTY SIZE (Acres): **4.7**

CURRENT OWNER: **TURNER ENVIROLOGIC**

PROPERTY DESCRIPTION/ FORMER USE:

FORMER ASHPALT 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**

Back to Report Summary

Draft

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 STATUS: **PNTD - PARTIAL ELIGIBILITY - NO TASK LEVEL DATA**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP STATUS DATE: **05/14/1997**
CLEANUP WORK STATUS: **INACTIVE**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **Z - OTHER**
OTHER SOURCE: **IRA REP**
SITE MANAGER: **ADAK_P**
SITE MANAGER END DATE: **06/15/2016**
SCORE: **25**
SCORE EFFECTIVE DATE: **02/23/2010**
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**

Draft

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**
SRC SUBMIT DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**
SRC COMPLETION STATUS: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED**
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: **NOT REPORTED**
RA CLEANUP RESPONSIBLE: **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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Draft

OFFICE: **TALLAHASSEE NPDES STORMWATER**

Back to Report Summary

Draft

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:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
ROBERT WOODWARD	**PLANT MAINT MGR**	**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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Draft

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Draft

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 -**

OWNER TYPE: **NOT REPORTED**
OWNER NAME: **NOT REPORTED**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Draft

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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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 -**

Draft

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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 -**

OWNER TYPE: **PRIVATE**
OWNER NAME: **URI GAVISH**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Draft

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Draft

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
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 -**

OWNER TYPE: **NOT REPORTED**
OWNER NAME: **NOT REPORTED**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Draft

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
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 -**

OWNER TYPE: **NOT REPORTED**
OWNER NAME: **NOT REPORTED**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Draft

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
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 -**

OWNER TYPE: **PRIVATE**
OWNER NAME: **ROBERT FARRELL**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME: **NOT 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 TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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 EQUIPTMENT 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:	CLASS:	CLASS STATUS:
NFA,NO FURTHER ACTION	**MATERIAL RECOVERY FACILITY - CLASS I & III**	**NFA,NO FURTHER ACTION (F)**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**
CLEANUP STATUS: **NFA - NFA COMPLETE**
CLEANUP STATUS DATE: **11/18/2011**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **E - EDI**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER: **SINGLETON_D**
SITE MANAGER END DATE: **11/18/2011**
SCORE: **75**
SCORE EFFECTIVE DATE: **05/18/2007**
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**

Draft

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 - 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**

REMEDIATION ACTION PLAN (RAP) TASK ID: **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**

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**
CLEANUP STATUS: **NFA - NFA COMPLETE**
CLEANUP STATUS DATE: **03/05/2007**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **E - EDI**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER: **THEISEN_MM**
SITE MANAGER END DATE: **03/05/2007**
SCORE: **74**
SCORE EFFECTIVE DATE: **08/03/2001**
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**

Draft

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 - 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**

REMEDIATION ACTION PLAN (RAP) TASK ID: **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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

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

Back to Report Summary

Draft

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**

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

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:
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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**
SRC SUBMIT DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**

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

Draft

SRC COMPLETION STATUS: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED**
SRC COMMENTS: **NOT REPORTED**

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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 MILTARY 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**

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

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**
CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **11/13/2006**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **FROM OVA SOILS.**
SITE MANAGER: **THEISEN_MM**
SITE MANAGER END DATE: **11/13/2006**
SCORE: **59**
SCORE EFFECTIVE DATE: **09/04/2002**
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**

Draft

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**

Back to Report Summary

Draft

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 MILTARY 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

Back to Report Summary

Draft

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

Back to Report Summary

Draft

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**

Draft

Back to Report Summary

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 03-2I-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 STATUS: **NREQ - CLEANUP NOT REQUIRED**
CLEANUP REQUIRED: **N - NO CLEANUP REQUIRED**
CLEANUP STATUS DATE: **01/25/2011**
CLEANUP WORK STATUS: **COMPLETED**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **R - EMERGENCY RESPONSE REPORT**
OTHER SOURCE: **BER**
SITE MANAGER: **MELLACHERUVU_SX**
SITE MANAGER END DATE: **01/25/2011**
SCORE: **NOT REPORTED**
SCORE EFFECTIVE DATE: **01/11/2006**
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**

Draft

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**
SRC SUBMIT DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**
SRC COMPLETION STATUS: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED**
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: **NOT REPORTED**
RA CLEANUP RESPONSIBLE: **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**

Back to Report Summary

Draft

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**
SRC SUBMIT DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**

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

Draft

SRC COMPLETION STATUS: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED**
SRC COMMENTS: **NOT REPORTED**

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**
SRC SUBMIT DATE: **NOT REPORTED**
SRC REVIEW DATE: **NOT REPORTED**
SRC ISSUE DATE: **NOT REPORTED**

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

Draft

SRC COMPLETION STATUS: **NOT REPORTED**
SRC COMPLETION STATUS DATE: **NOT REPORTED**
SRC COMMENTS: **NOT REPORTED**

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

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**
CLEANUP STATUS: **SA - SA ONGOING**
CLEANUP STATUS DATE: **07/14/2006**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER: **SINGLETON_D**
SITE MANAGER END DATE: **01/17/2007**
SCORE: **10**
SCORE EFFECTIVE DATE: **04/20/2012**
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**

Draft

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**

Draft

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NOT REPORTED**

SRC SUBMIT DATE: **NOT REPORTED**

SRC REVIEW DATE: **NOT REPORTED**

SRC ISSUE DATE: **NOT REPORTED**

SRC COMPLETION STATUS: **NOT REPORTED**

SRC COMPLETION STATUS DATE: **NOT REPORTED**

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: **NOT REPORTED**

RA CLEANUP RESPONSIBLE: **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**

Back to Report Summary

Draft

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**

Florida Oculus

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:	CLASS:	CLASS STATUS:
INACTIVE	**MATERIAL RECOVERY FACILITY - CLASS I & III**	**INACTIVE (I)**
NFA,NO FURTHER ACTION	**DISASTER DEBRIS MANAGEMENT SITE**	**NFA,NO FURTHER ACTION (F)**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**

Back to Report Summary

Draft

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**
CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **04/27/2017**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER: **JAIRAM_S**
SITE MANAGER END DATE: **04/27/2017**
SCORE: **74**
SCORE EFFECTIVE DATE: **07/11/2014**
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**

Draft

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

DISCHARGE DATE: **10/05/1998**
CLEANUP REQUIRED: **R - CLEANUP REQUIRED**
CLEANUP WORK STATUS: **COMPLETED**
CLEANUP STATUS: **SRCR - SRCR COMPLETE**
CLEANUP STATUS DATE: **06/28/2000**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **D - DISCHARGE NOTIFICATION**
OTHER SOURCE: **NOT REPORTED**
SITE MANAGER: **SIVAPRASAD_K**
SITE MANAGER END DATE: **02/18/2000**
SCORE: **74**
SCORE EFFECTIVE DATE: **07/11/2014**
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**

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

Draft

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 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**

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**

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**

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: **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**

SITE REHABILITATION COMPLETION (SRC) ACTION TYPE: **NFA - 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**

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

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

Draft

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: **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**

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**

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 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**

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**

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**

Draft

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**

Draft

Back to Report Summary

Draft

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**
CLEANUP STATUS: **NFA - NFA COMPLETE**
CLEANUP STATUS DATE: **04/25/2007**
TANK OFFICE: **PCLP6 - BROWARD CNTY ENVIRONMENTAL PROTECTION DEPT**
INFORMATION SOURCE: **Z - OTHER**
OTHER SOURCE: **SITE INVESTIGATION REPORT**
SITE MANAGER: **THEISEN_MM**
SITE MANAGER END DATE: **04/25/2007**
SCORE: **60**
SCORE EFFECTIVE DATE: **03/30/2006**
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**

Draft

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 - 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**

REMEDIATION ACTION PLAN (RAP) TASK ID: **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**

Back to Report Summary

Draft

Unlocated Sites Summary

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

No Records Found

Draft

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

Draft

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

Draft

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.

NPDESR04 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

Draft

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 Protections 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.

Draft

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.

Draft

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

Draft

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

Draft

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 Protections 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.

Draft

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

Draft

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.

Draft

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.

Draft

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

Draft

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 where 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.

Draft

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

Draft

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.

Draft

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.

Draft

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.

Draft

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.

Draft

GeoSearch
On time. On target. In touch.™

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

Draft

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):
(-80.152527094, 26.304351067), (-80.149930716, 26.304312595), (-80.147784948, 26.304197180), (-80.146476030, 26.304158709), (-80.145682096, 26.304139473), (-80.144222975, 26.304158709), (-80.141283274, 26.304235652), (-80.138107538, 26.304331831), (-80.136176348, 26.304370302), (-80.134116411, 26.304428010), (-80.132957697, 26.304351067), (-80.131863356, 26.304331831), (-80.129460096, 26.304370302)

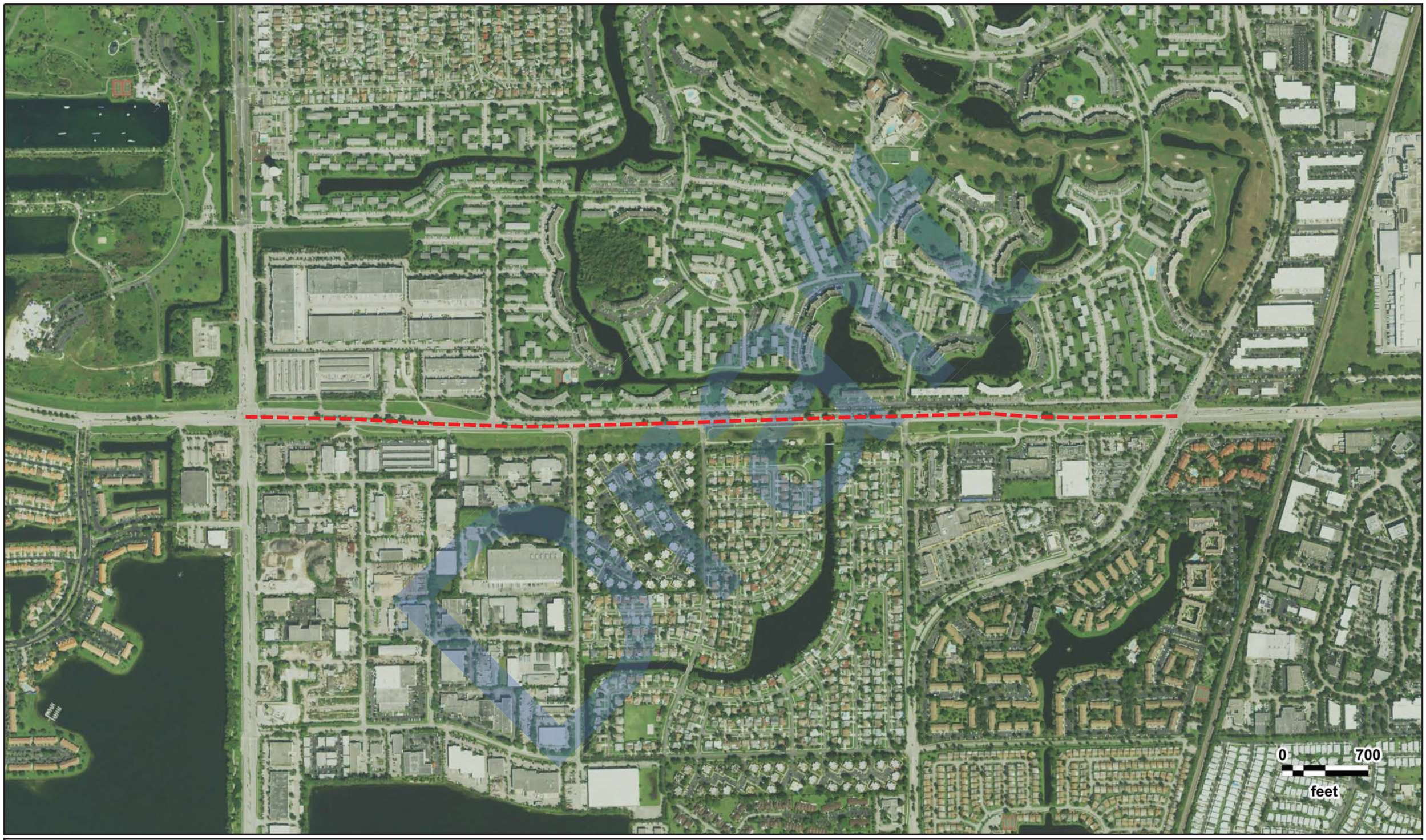
Draft

Aerial Research Summary

Date	Source	Scale	Frame
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

Draft

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.

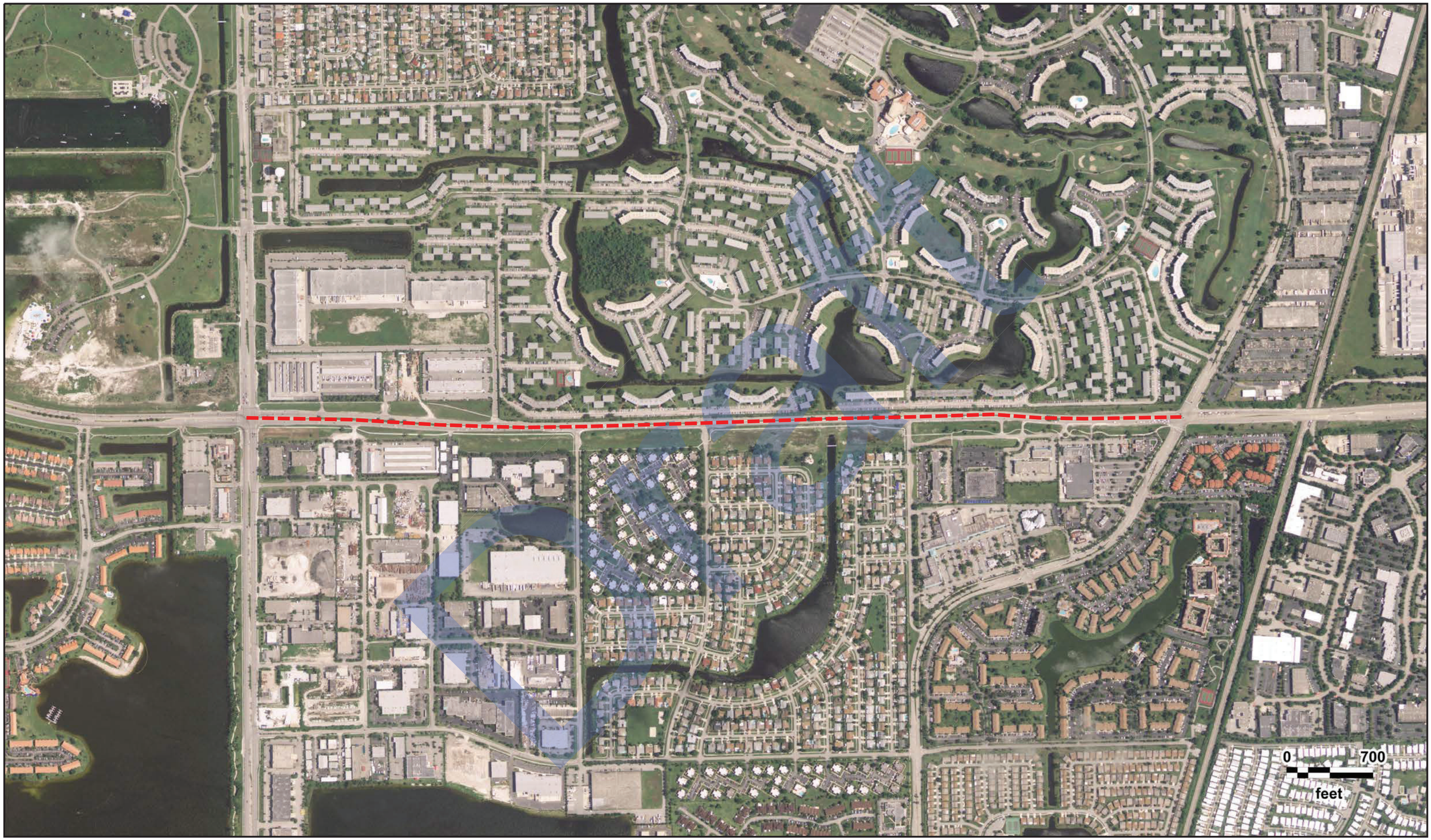


N
W E
S

SW 10th Street
USDA
2015

GeoSearch

JOB #: 201817 - 09/05/2017



N
W E
S

SW 10th Street
USDA
2007

GeoSearch

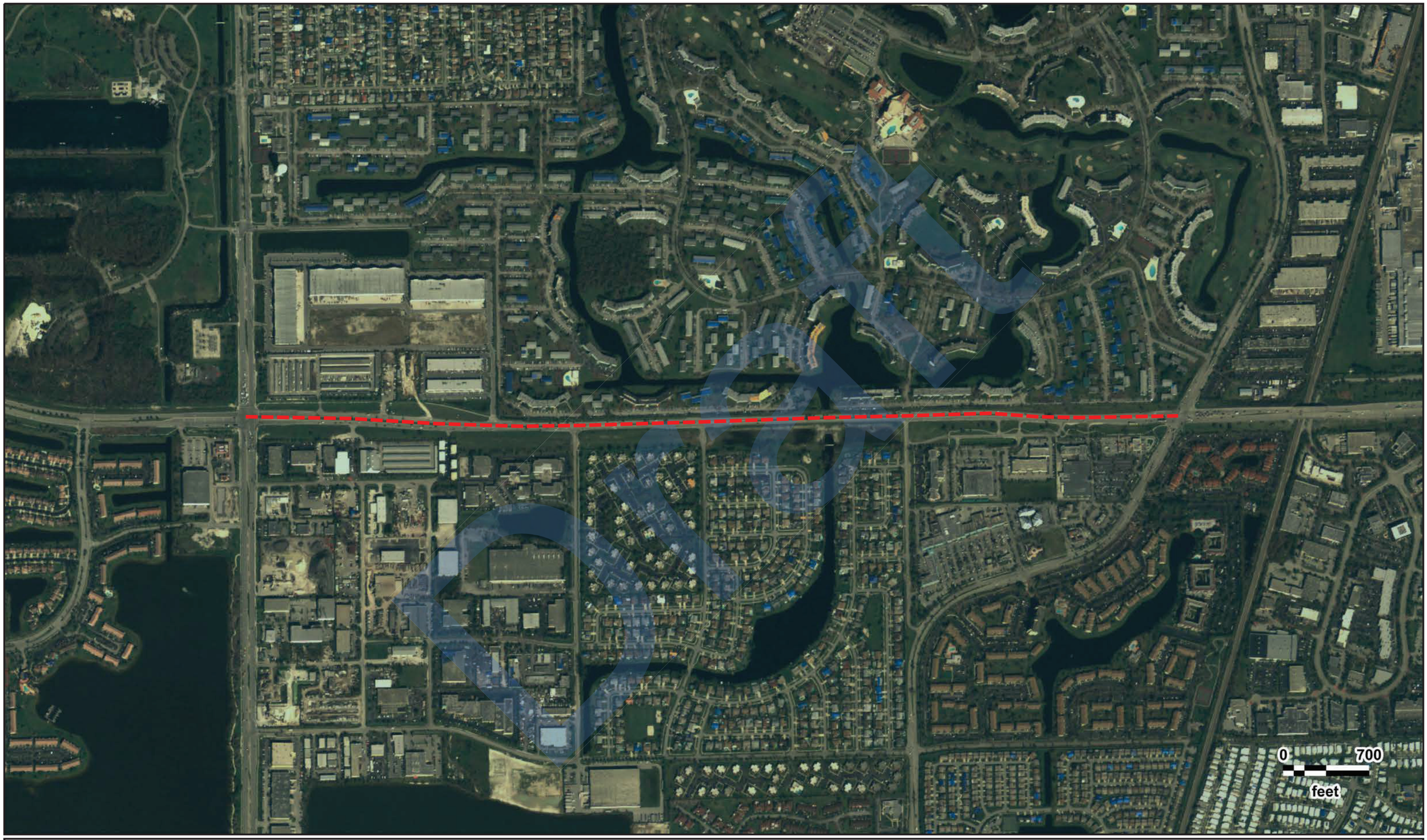
JOB #: 201817 - 09/05/2017

N
W E
S

SW 10th Street
USDA
2006

GeoSearch

JOB #: 201817 - 09/05/2017

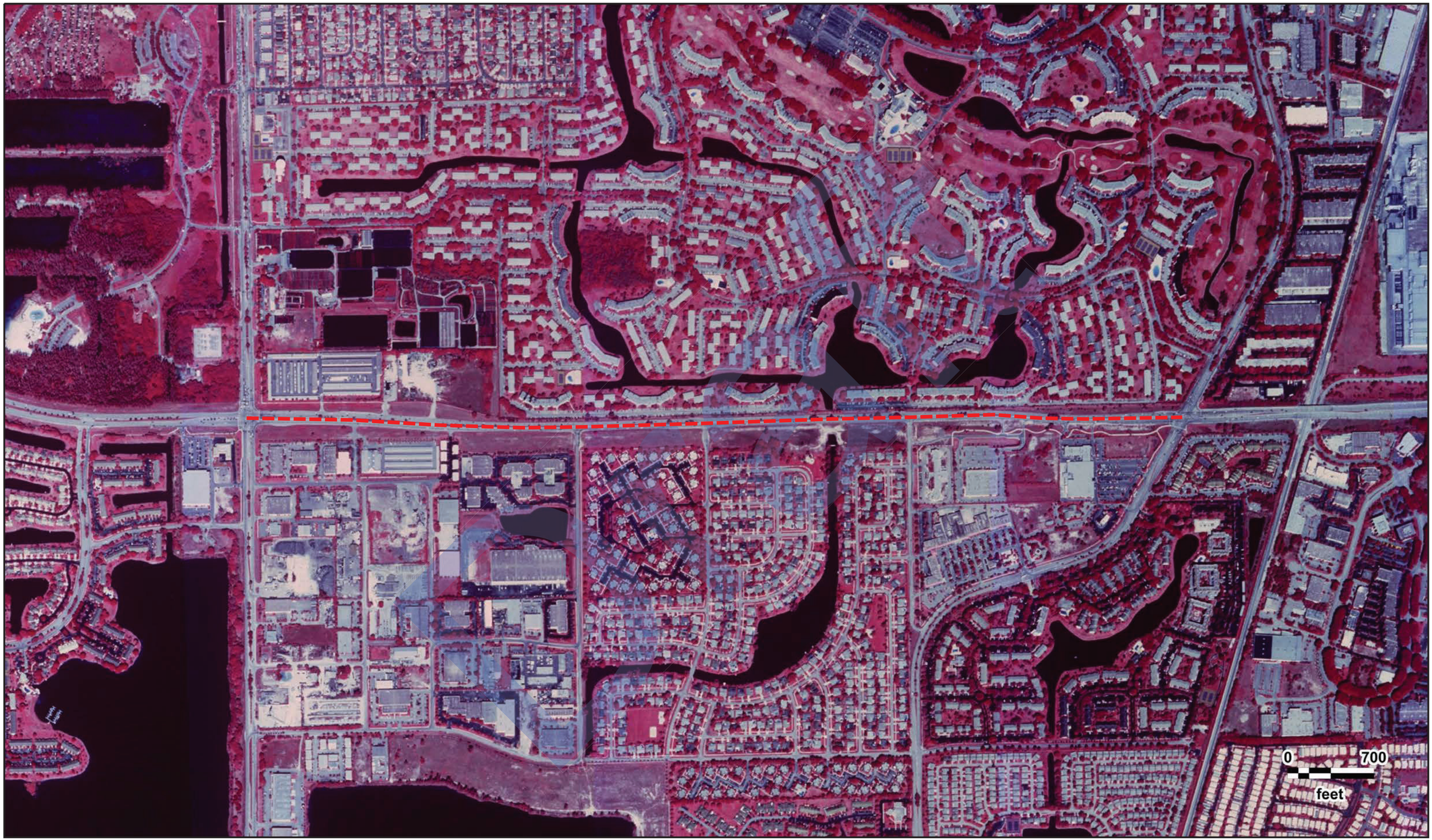


N
W E
S

SW 10th Street
USDA
2005

GeoSearch

JOB #: 201817 - 09/05/2017

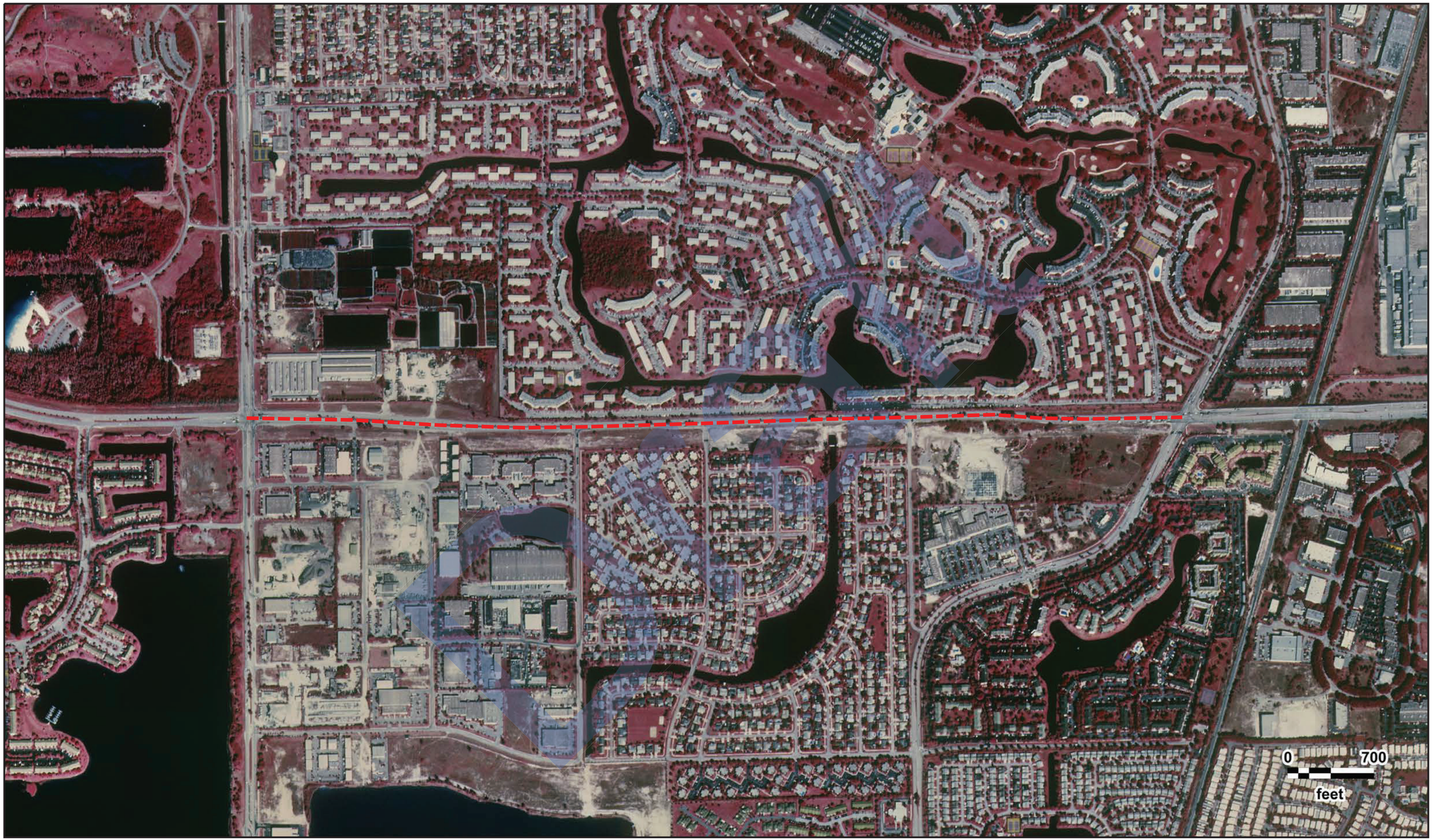


N
W E
S

SW 10th Street
USGS
02/21/1999

GeoSearch

JOB #: 201817 - 09/05/2017

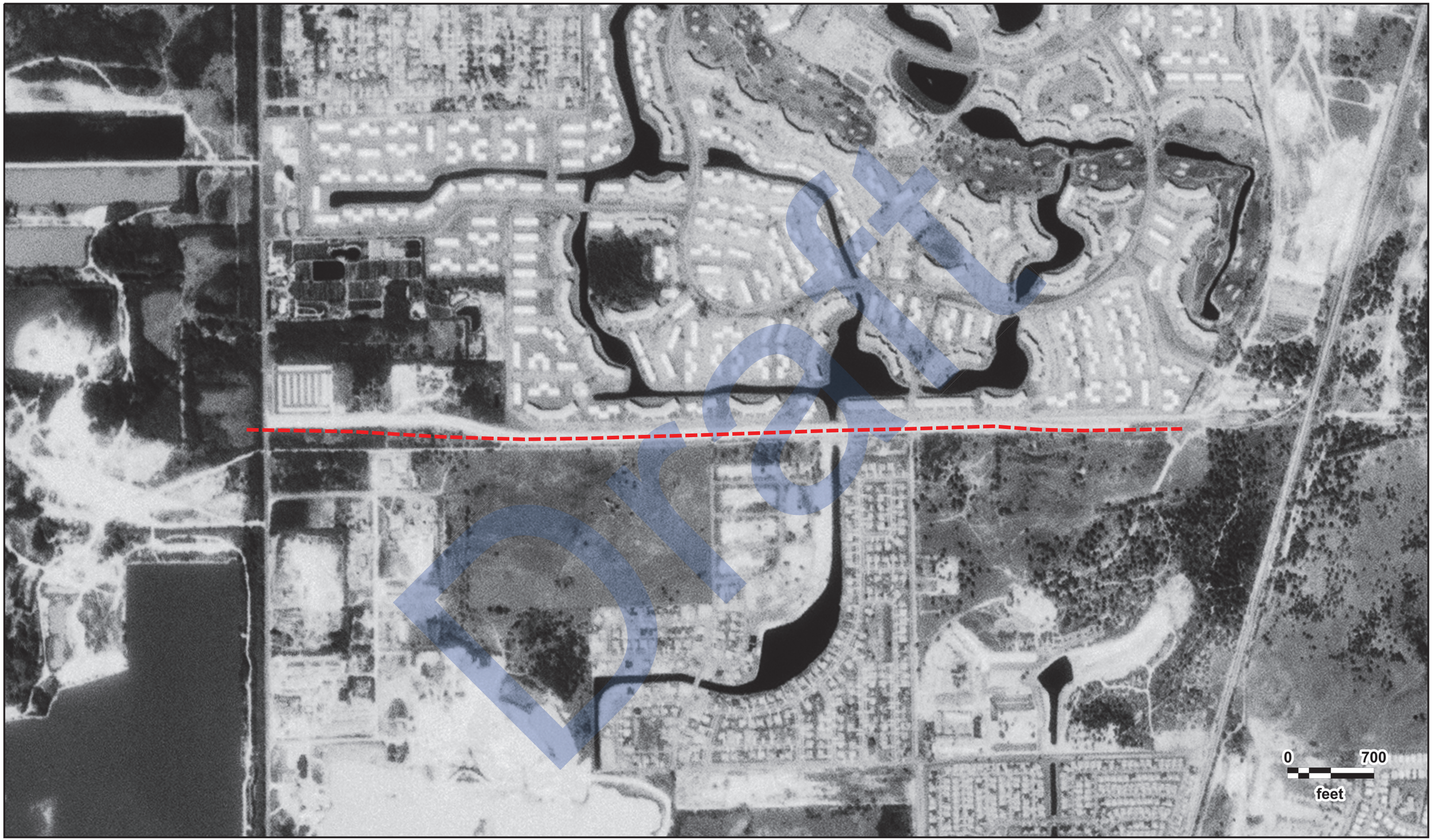


N
W E
S

SW 10th Street
USGS
01/26/1995

GeoSearch

JOB #: 201817 - 09/05/2017



N
W E
S

SW 10th Street
USGS
02/07/1980

GeoSearch

JOB #: 201817 - 09/05/2017

DOR 1784-10-21

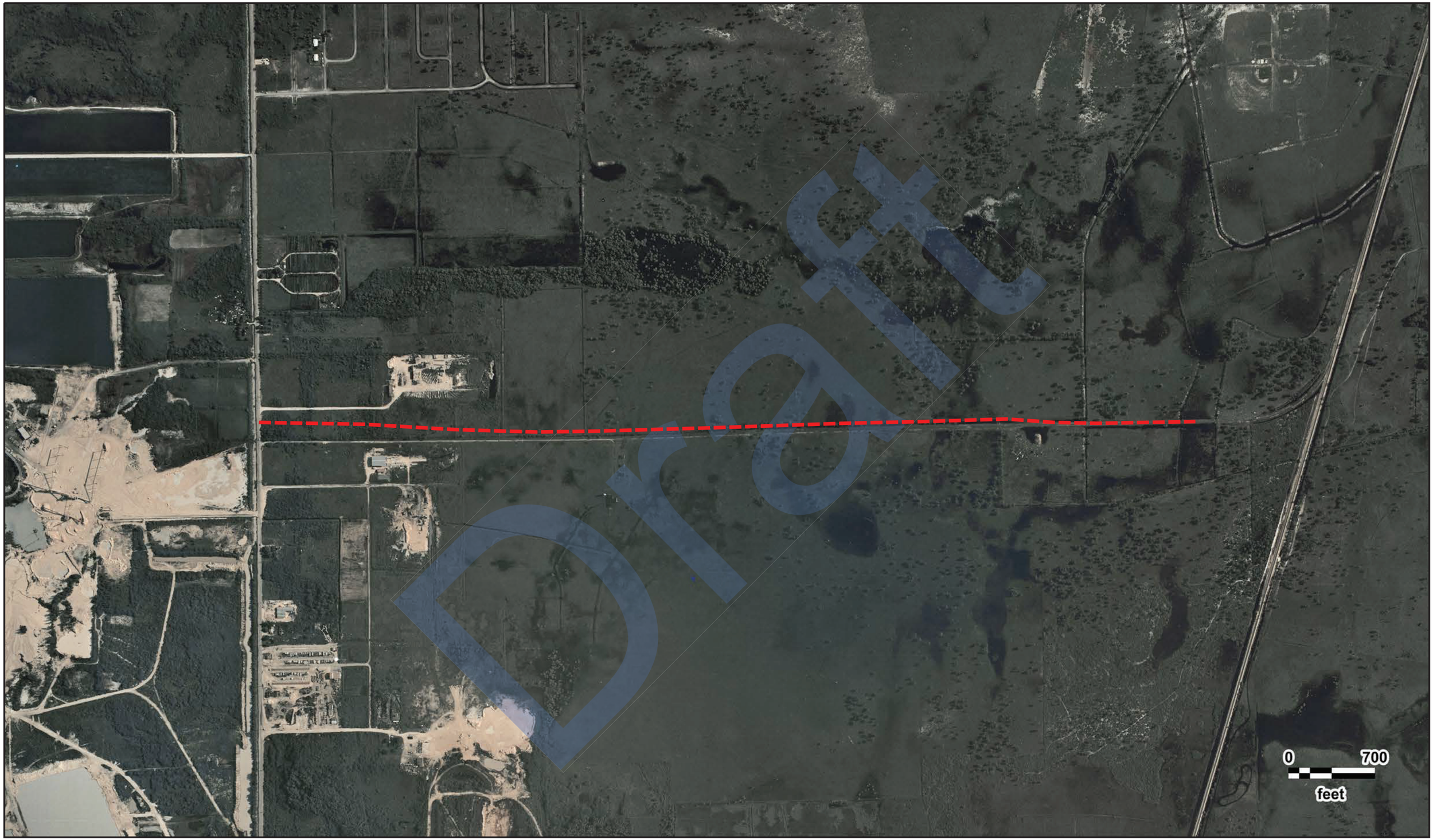
0 700
feet

N
W E
S

SW 10th Street
FDOT
01/23/1976

GeoSearch

JOB #: 201817 - 09/05/2017



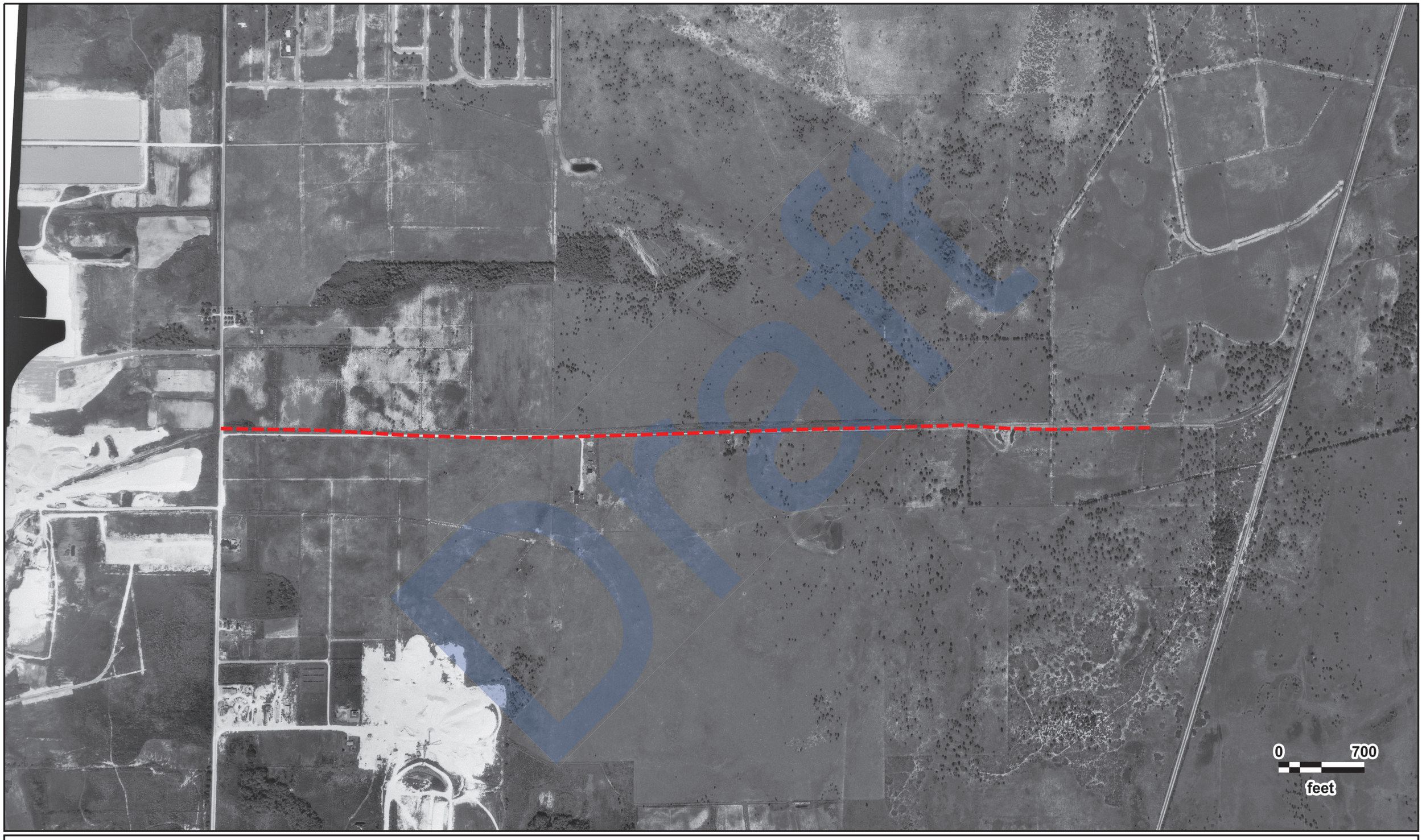
Draft

N
W E
S

SW 10th Street
USGS
06/21/1969

GeoSearch

JOB #: 201817 - 09/05/2017



N
W E
S

SW 10th Street
USGS
10/21/1961

GeoSearch

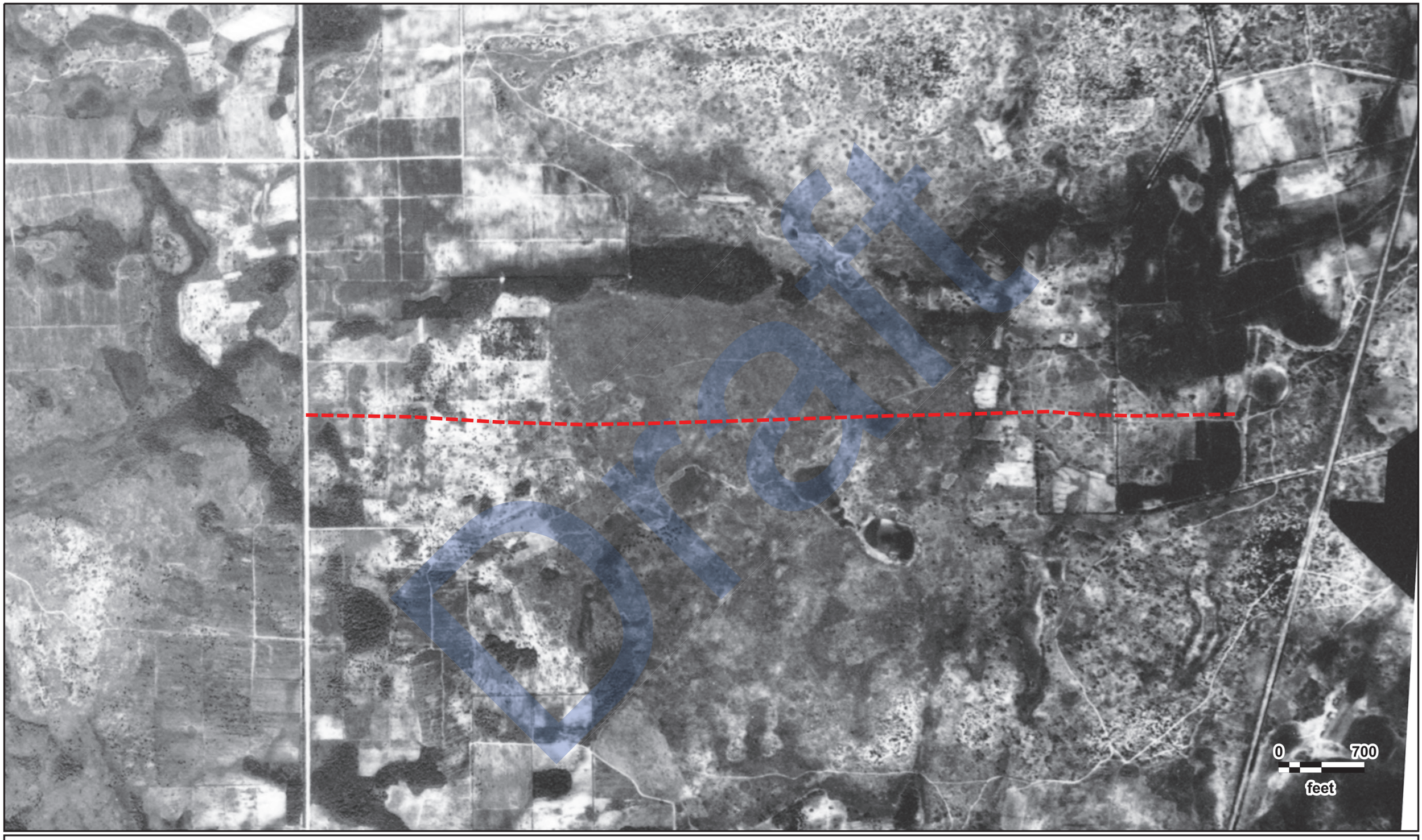
JOB #: 201817 - 09/05/2017

N
W E
S

SW 10th Street
USGS
01/25/1953

GeoSearch

JOB #: 201817 - 09/05/2017



N
W E
S

SW 10th Street
ASCS
04/14/1940

GeoSearch

JOB #: 201817 - 09/05/2017

GeoSearch

On time. On target. In touch.™

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

Draft

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):
(-80.152527094, 26.304351067), (-80.149930716, 26.304312595), (-80.147784948, 26.304197180), (-80.146476030, 26.304158709), (-80.145682096, 26.304139473), (-80.144222975, 26.304158709), (-80.141283274, 26.304235652), (-80.138107538, 26.304331831), (-80.136176348, 26.304370302), (-80.134116411, 26.304428010), (-80.132957697, 26.304351067), (-80.131863356, 26.304331831), (-80.129460096, 26.304370302)

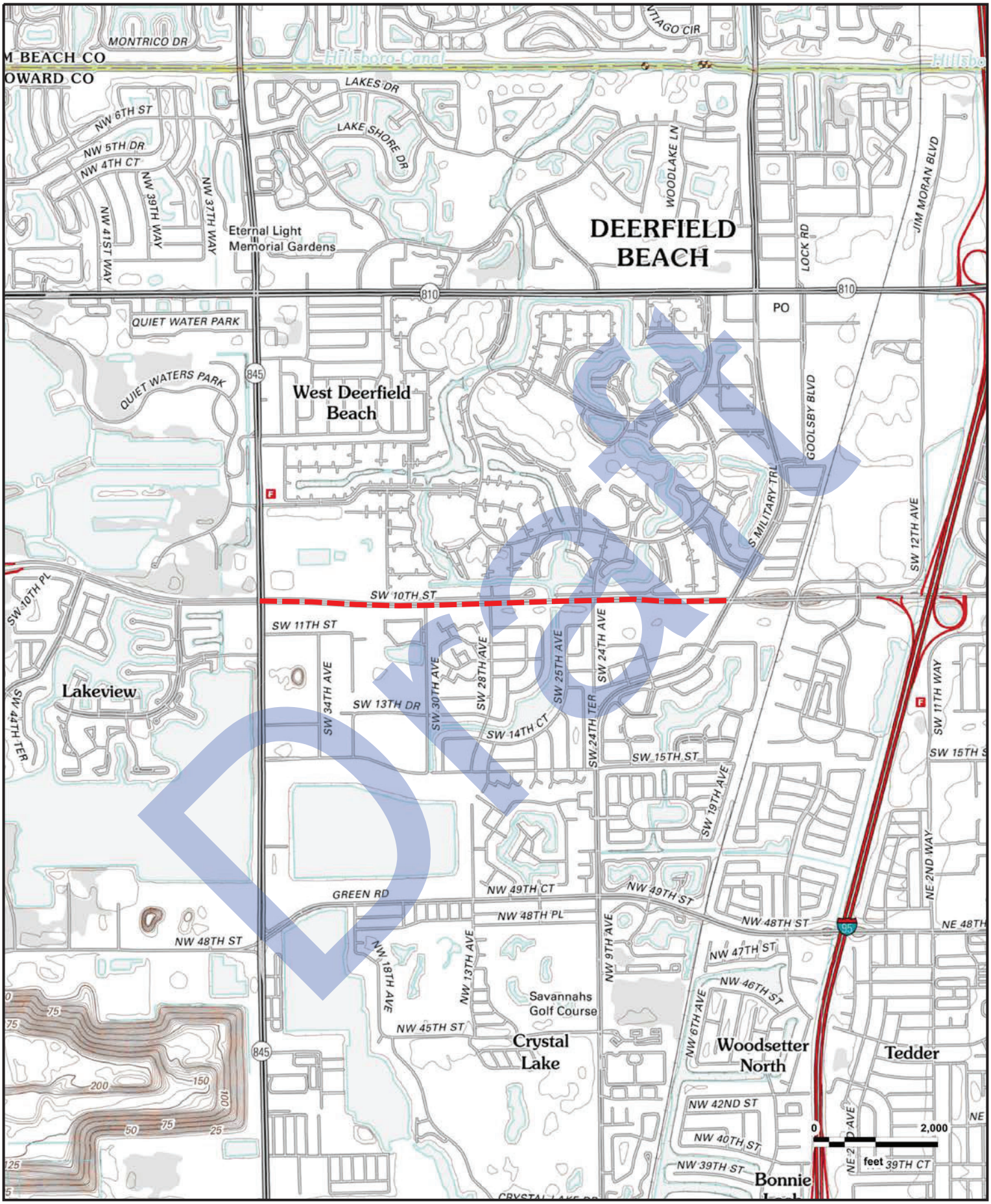
Draft

Topographic Map Summary

Date	Quadrangle	Scale
	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'

Draft

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.



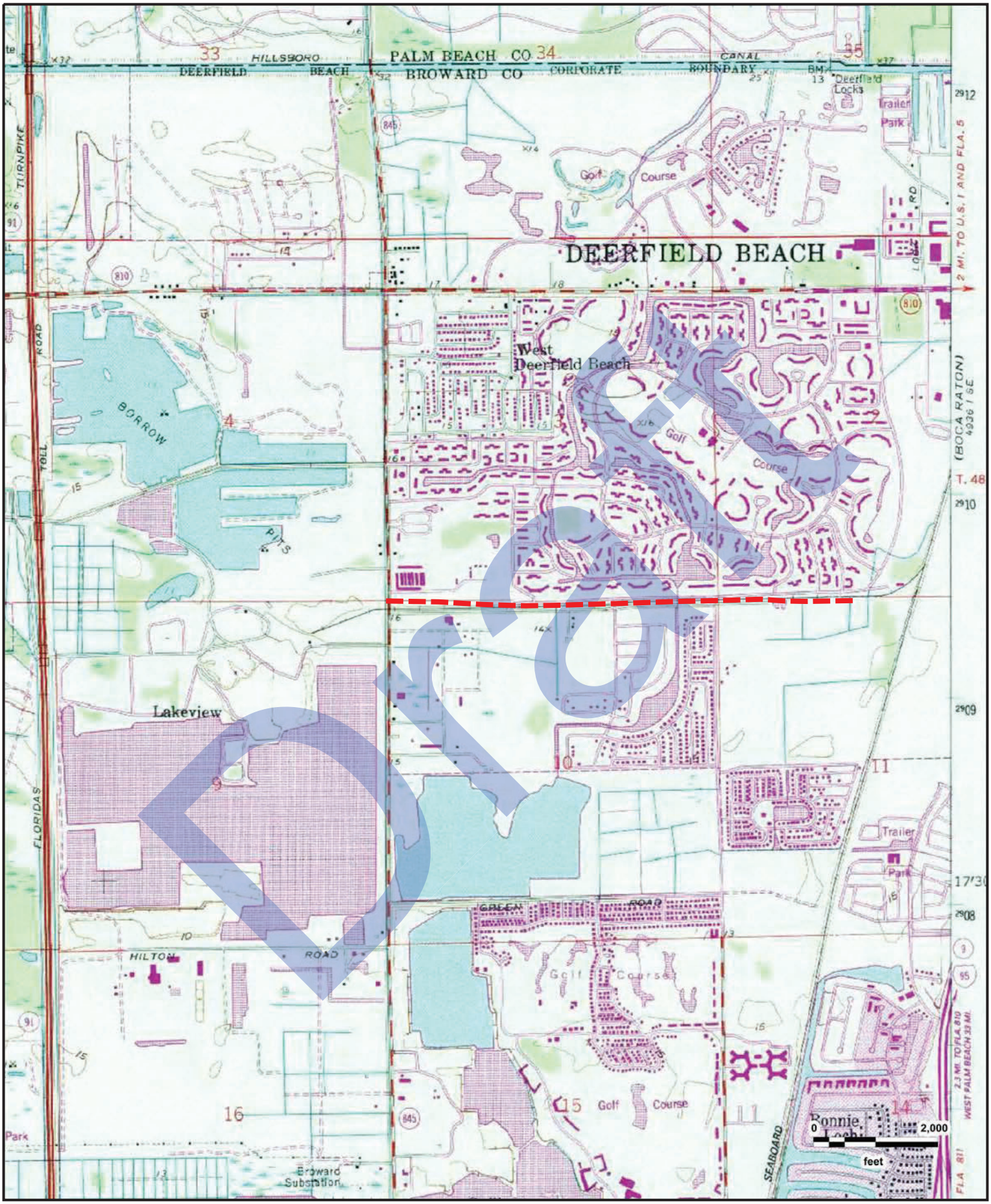
Draft

N
W E
S

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

GeoSearch

JOB #: 201812 - 08/30/2017

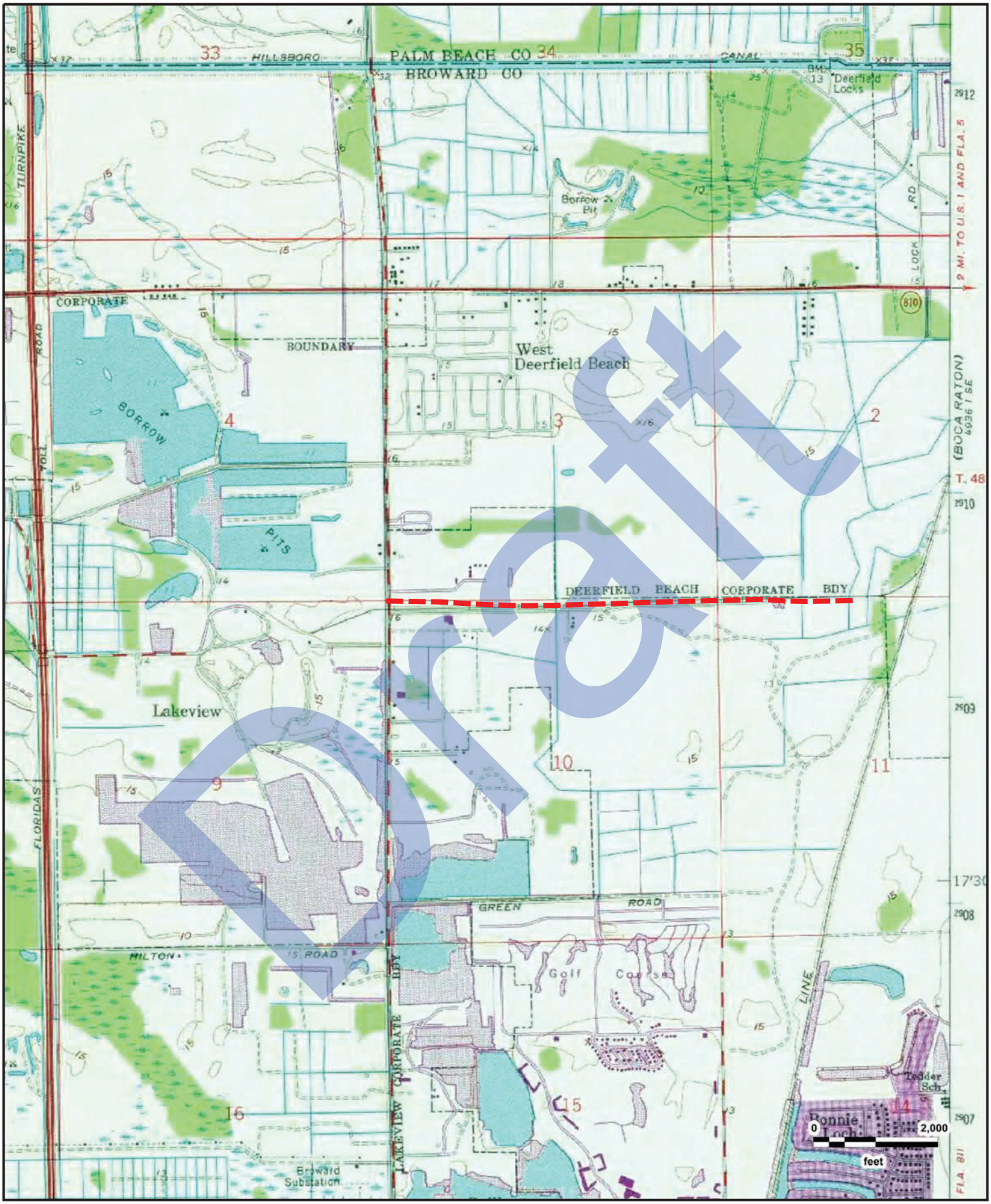


N
W E
S

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

GeoSearch

JOB #: 201812 - 08/30/2017

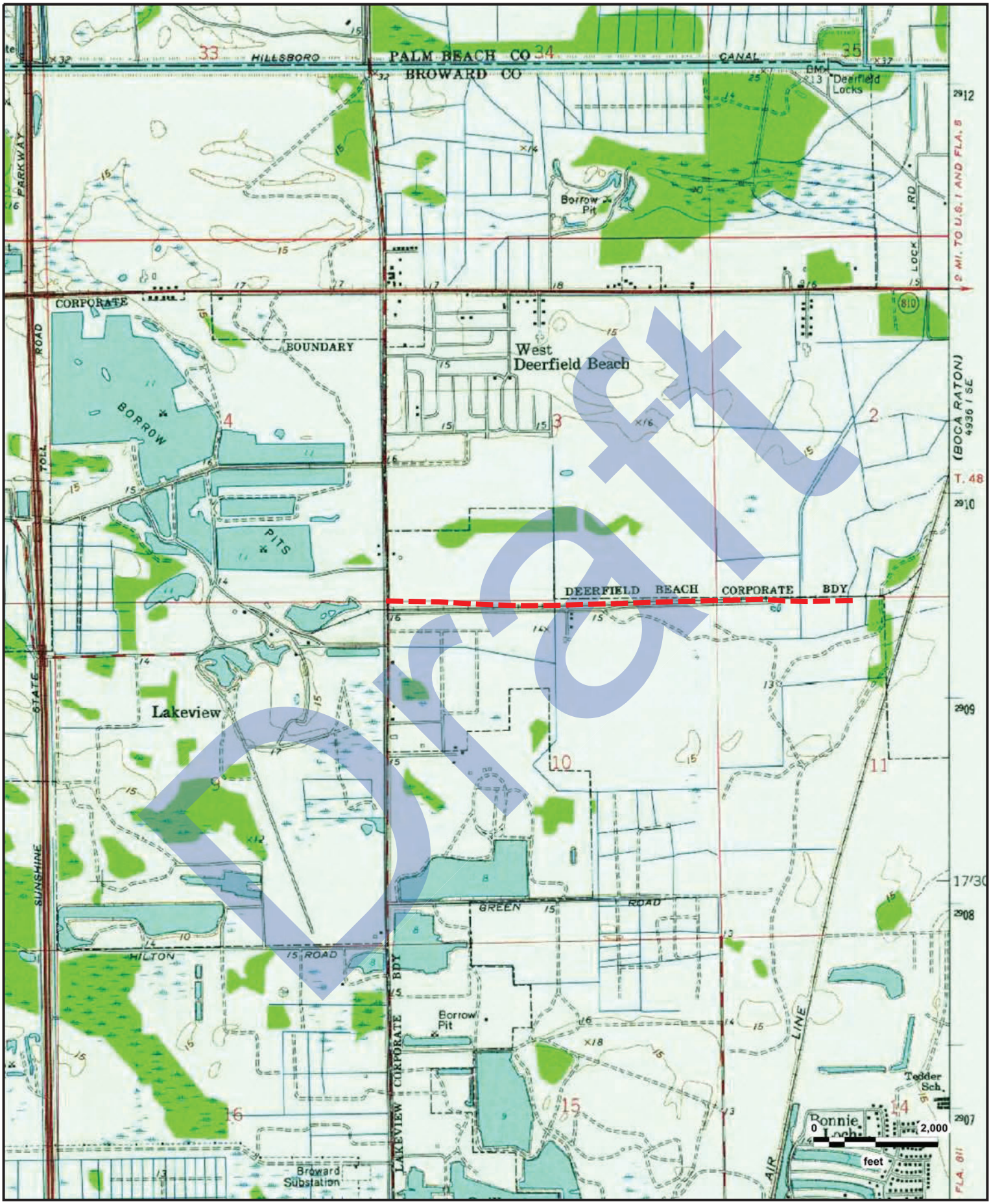


N
W E
S

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

GeoSearch

JOB #: 201812 - 08/30/2017



Draft

N
W E
S

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

GeoSearch

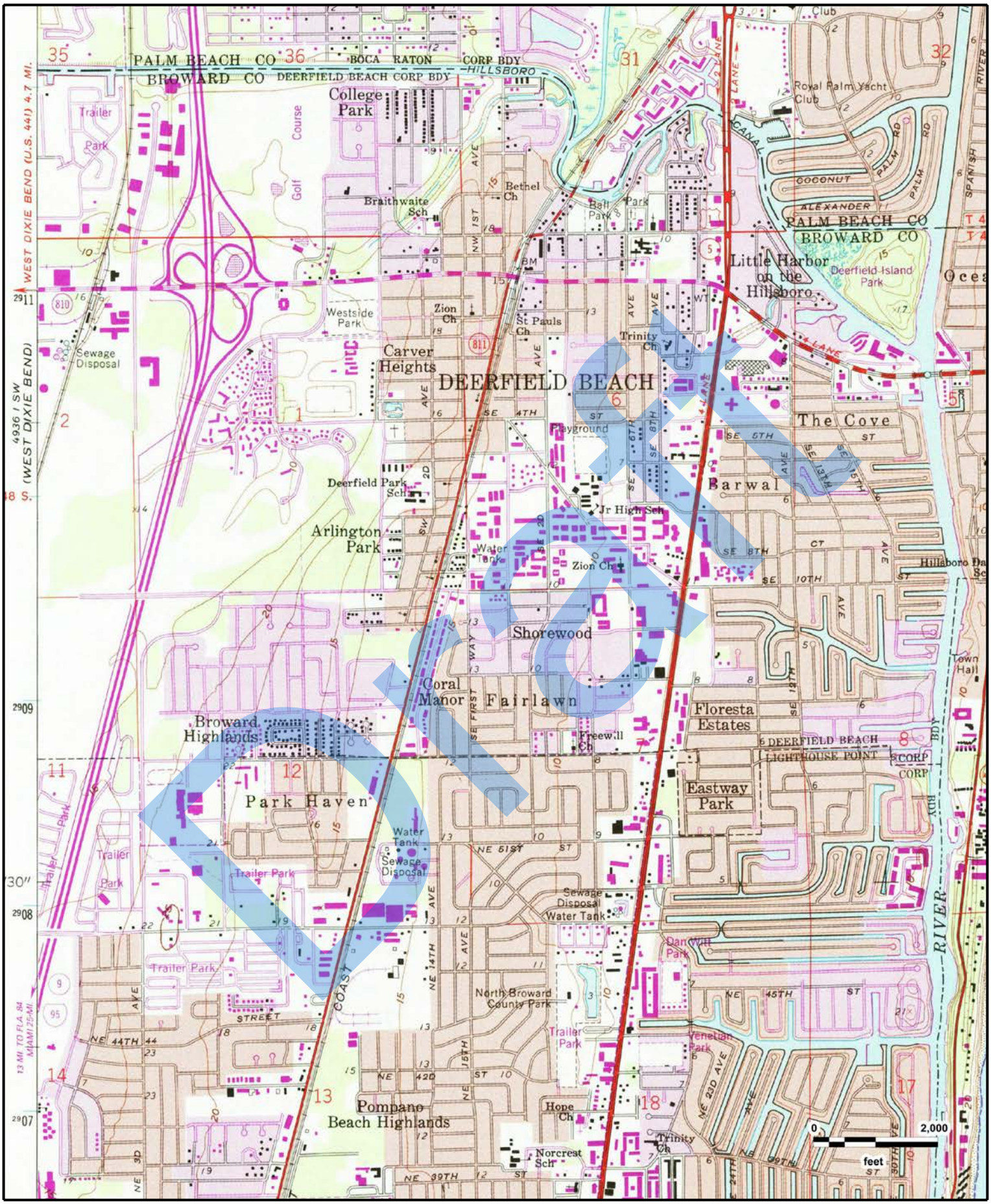
JOB #: 201812 - 08/30/2017

N
W E
S

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

GeoSearch

JOB #: 201812 - 08/30/2017

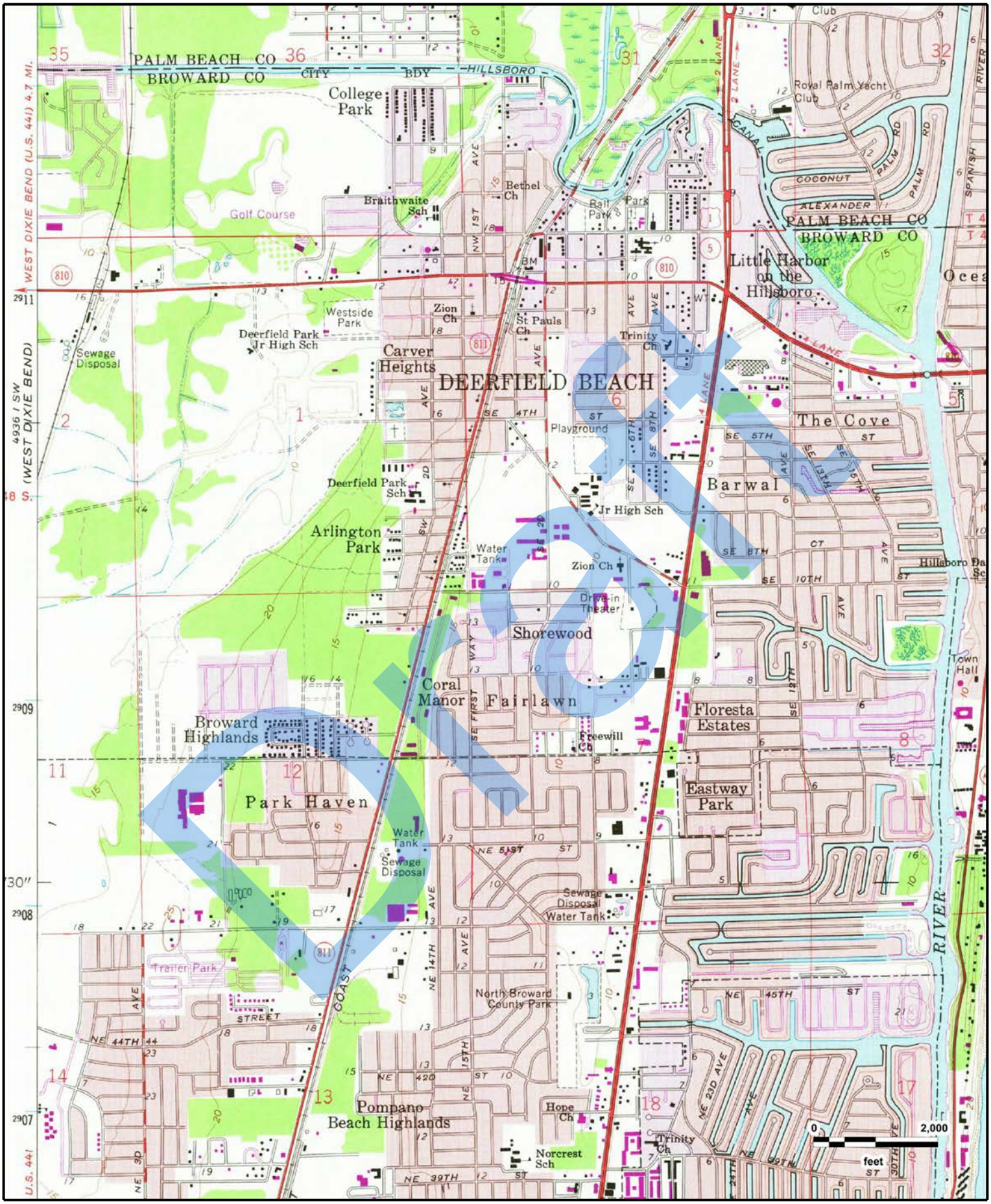


N
W E
S

SW 10th Street
Boca Raton, FL (1983)

GeoSearch

JOB #: 201812 - 08/30/2017

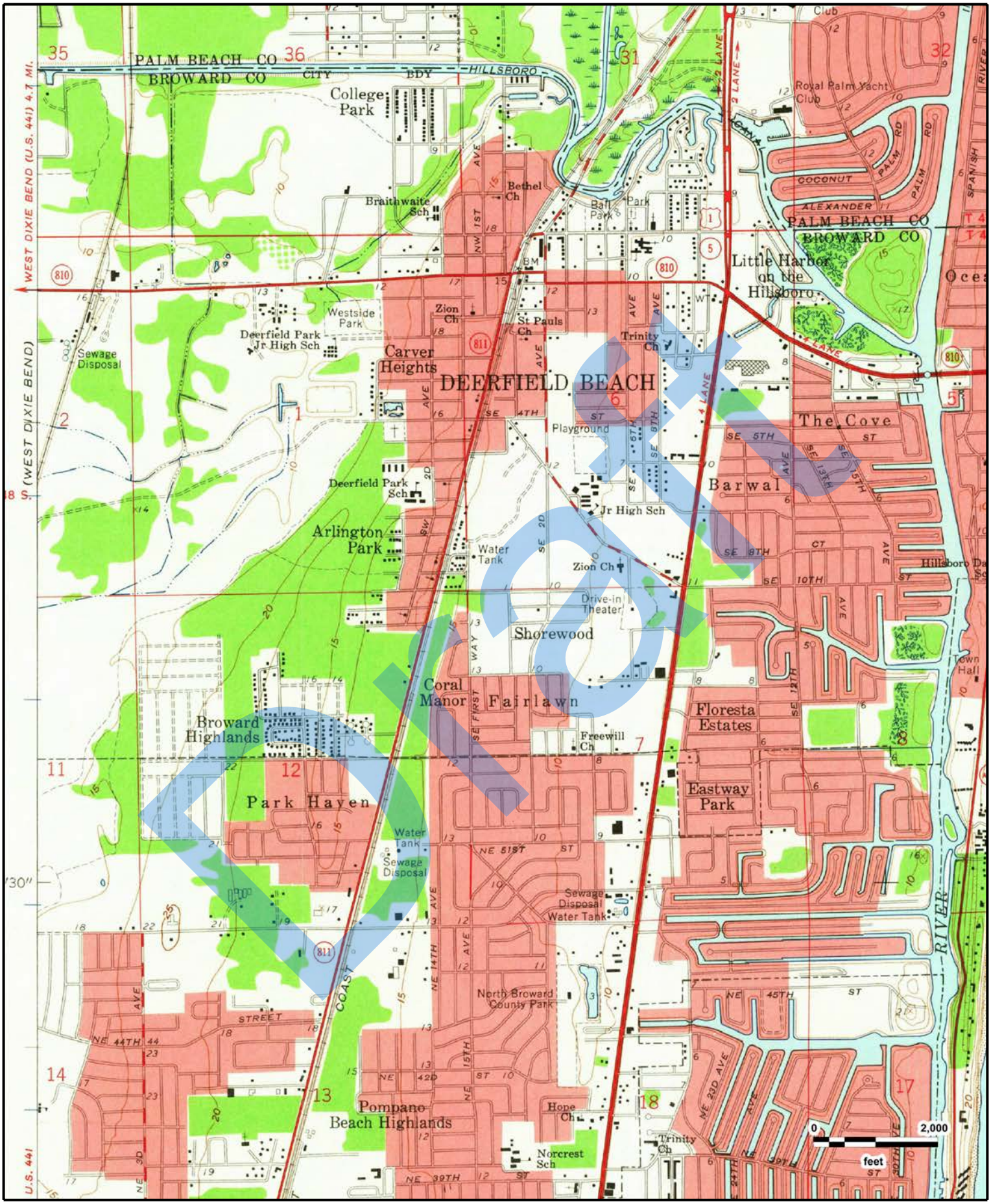


N
W E
S

SW 10th Street
Boca Raton, FL (1973)

GeoSearch

JOB #: 201812 - 08/30/2017

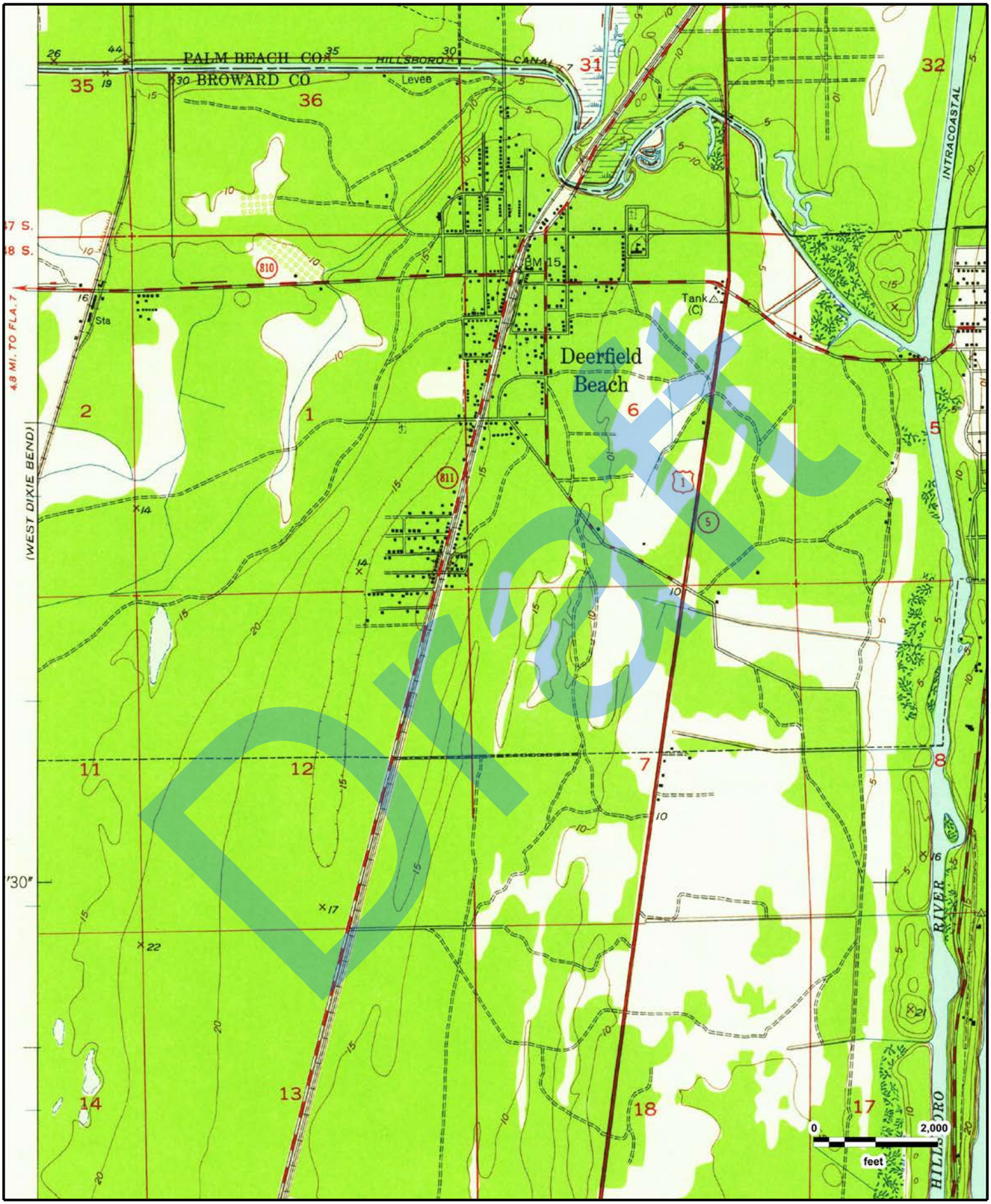


N
W E
S

SW 10th Street
Boca Raton, FL (1962)

GeoSearch

JOB #: 201812 - 08/30/2017



Draft

N
W E
S

SW 10th Street
Boca Raton, FL (1946)

GeoSearch

JOB #: 201812 - 08/30/2017

City Directory Standard Report

Target Property:

SW 10th St,

Deerfield Beach, FL 33442

Prepared For:

Kimley - Horn and Associates - Jacksonville

Draft

Order #: 92604

Project #: 140504000

Date: 9/1/2017

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

Draft

		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				

Draft

POMPANO BEACH & DEERFIELD 2006-07

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]

Draft

	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 LAUDERDALE AND VICINITY	2000	**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

Draft

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

CITY PUBLISHING COMPANY INC.

FORT LAUDERDALE AND VICINITY	1995	**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 LAUDERDALE AND VICINITY	1992	**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 (BROWARD COUNTY)	1983-84	**SW 10TH ST**	
			RANGE NOT LISTED - LISTINGS END WITH 74

R.L. POLK & CO.

Draft

POMPANO BEACH (BROWARD COUNTY)	1980	**SW 10TH ST**

RANGE NOT LISTED - LISTINGS END WITH 72

Comment:

Draft

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

Draft

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

Draft

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

2150 SW 10TH ST

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

Draft

City Directory Target Property Address

SW 10th St, Deerfield Beach, FL 33442

2200 SW 10TH ST

2016	ACQUNITIY 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

Draft

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

Draft

2006-07	XM SATELLITE RADIO	BRESSER'S	POMPANO BEACH & DEERFIELD

3165 SW 10TH ST

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

3175 SW 10TH ST

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

Draft

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

3650 SW 10TH ST

2011	OUT OF THIS WORLD ENTRTN		INFOUSA	SOUTH
2011	WOODMONT SUMMER CAMP	# 1	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

Draft

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:

Draft

City Directory Standard Report

Target Property:

S Military Trl,

Deerfield Beach, FL 33442

Prepared For:

Kimley - Horn and Associates - Jacksonville

Draft

Order #: 92604

Project #: 140504000

Date: 9/1/2017

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

Draft

		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	

Draft

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	

Draft

	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	SEOBOCARATON.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 & DEERFIELD	2006-07	**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	

Draft

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

Draft

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 LAUDERDALE AND VICINITY 2000

S MILITARY TRL

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

Draft

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

Draft

	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 LAUDERDALE AND VICINITY 1995 **S MILITARY TRL**

	808	BRICE BUILDING CO INC
	808	WHIPLASH
	814	CHANNELL-TEK INTERNATIONAL CORP
	824	ECKERD DRUGS DISTRICT OFICE
	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

Draft

	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 LAUDERDALE AND VICINITY 1992 **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

Draft

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 (BROWARD COUNTY) 1983-84 **S MILITARY TRL**

STREET NOT LISTED

R.L. POLK & CO.

POMPANO BEACH (BROWARD COUNTY) 1980 **S MILITARY TRL**

STREET NOT LISTED

Comment:

Draft

City Directory Target Property Address

Target Property:

S Military Trl,

Deerfield Beach, FL 33442

Prepared For:

Kimley - Horn and Associates - Jacksonville

Draft

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
806 S MILITARY TRL			
2016	AGILITY MANAGEMENT INC	INFOUSA	SOUTH EAST
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

Draft

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 OFICE	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

Draft

2011	RICHARD & RICE CONSTR INC	# 6	INFOUSA	SOUTH
830 S MILITARY TRL				
2011	PREMIERE GLOBAL SVC INC		INFOUSA	SOUTH
1995	SEARS PAINTING SVC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
832 S MILITARY TRL				
2000	PORTEN COMPANIES INC		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
834 S MILITARY TRL				
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
836 S MILITARY TRL				
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

Draft

1995	MICROS SYSTEMS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1992	MICROS SYSTEMS INC	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

840 S MILITARY TRL

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

842 S MILITARY TRL

2006-07	KTR CAPITAL PARTNERS	BRESSER'S	POMPANO BEACH & DEERFIELD

844 S MILITARY TRL

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

852 S MILITARY TRL

2016	CELL SCIENCE SYSTEMS LLC	INFOUSA	SOUTH EAST
2016	WSA SYSTEMS	INFOUSA	SOUTH EAST

Draft

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

856 S MILITARY TRL

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

858 S MILITARY TRL

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

Draft

1992	METPATH	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

870 S MILITARY TRL

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

998 S MILITARY TRL

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

Draft

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
1005 S MILITARY TRL				
2011	PROGRESSIVE INSURANCE		INFOUSA	SOUTH
1031 S MILITARY TRL				
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
1044 S MILITARY TRL				
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
1050 S MILITARY TRL				
2016	BRAT PACK INTERVENTIONS	# 302	INFOUSA	SOUTH EAST
2011	WELCH RYAN		INFOUSA	SOUTH
2006-07	APARTMENTS		BRESSER'S	POMPANO BEACH & DEERFIELD

Draft

2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1995	MULTI TENANT RESIDENTIAL	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1051 S MILITARY TRL

2016	POLLO TROPICAL	INFOUSA	SOUTH EAST
2011	POLLO TROPICAL	INFOUSA	SOUTH
2006-07	POLLO TROPICAL STORE 64	BRESSER'S	POMPANO BEACH & DEERFIELD

1056 S MILITARY TRL

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

1062 S MILITARY TRL

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

1068 S MILITARY TRL

2011	ARIAS LUIS	INFOUSA	SOUTH
2011	FLOHR SUSAN	INFOUSA	SOUTH
2011	GILLIS PAUL E	INFOUSA	SOUTH
2011	TAMAGNONE LISE	INFOUSA	SOUTH

Draft

2006-07	APARTMENTS	BRESSER'S	POMPANO BEACH & DEERFIELD
2000	APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1074 S MILITARY TRL

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

1080 S MILITARY TRL

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

1086 S MILITARY TRL

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

1092 S MILITARY TRL

2011	AARON ALLISON	INFOUSA	SOUTH

Draft

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

1098 S MILITARY TRL

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

1100 S MILITARY TRL

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

1101 S MILITARY TRL

2016	NGUYEN AMI		INFOUSA	SOUTH EAST
2016	SUBWAY		INFOUSA	SOUTH EAST

Draft

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
1105 S MILITARY TRL				
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
1109 S MILITARY TRL				
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
1110 S MILITARY TRL				
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

Draft

City Directory Target Property Address

S Military Trl, Deerfield Beach, FL 33442

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

Draft

2011	SCAN SOUND INC	# 118	INFOUSA	SOUTH
2011	SEOBOCARATON.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

1125 S MILITARY TRL

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

1133 S MILITARY TRL

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

1137 S MILITARY TRL

2016	ACE UNDERWRITING GROUP		INFOUSA	SOUTH EAST
2011	ACE UNDERWRITING GROUP		INFOUSA	SOUTH
2006-07	ACE UNDERWRITING GROUP		BRESSER'S	POMPANO BEACH & DEERFIELD

Draft

1141 S MILITARY TRL

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

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

Draft

2000	HESS GAS STATION	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1204 S MILITARY TRL

2016	MULTI TENANT RESIDENTIAL	INFOUSA	SOUTH EAST
2011	ALLIANCE CARE	INFOUSA	SOUTH
1995	MULTI TENANT RESIDENTIAL	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1044-110 S MILITARY TRL

2000	LAEKS ATD DEERFIELD APARTMENTS	CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY

1204-16 S MILITARY TRL

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:

Draft

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

Draft

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

Draft

		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	

Draft

	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 & DEERFIELD	2006-07	**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 FRAGANCES	
	720	DANA CLASSIC FRAGRANCES INC	
	720	VIRTUAL IMAGING INC	
	721	DECASTRO DARIO	
	730	ADVANCED MEDIA TECHNOLOGIES	

Draft

	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 LAUDERDALE AND VICINITY	2000	**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

Draft

	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 LAUDERDALE AND VICINITY	1995	**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

Draft

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

CITY PUBLISHING COMPANY INC.

FORT LAUDERDALE AND VICINITY 1992 **S POWERLINE RD**

	429	SWARD GORDON A
	750	KRAFT LANDSCAPE NURSERY
	950	ABCO BRICK & TILE
	950	CITY AIR CONDTNG & 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.

Draft

POMPANO BEACH (BROWARD COUNTY)	1983-84	**S POWERLINE RD**
		STREET NOT LISTED

R.L. POLK & CO.

POMPANO BEACH (BROWARD COUNTY)	1980	**S POWERLINE RD**
		STREET NOT LISTED

Comment:

Draft

City Directory Target Property Address

Target Property:

S Powerline Rd,

Deerfield Beach, FL 33442

Prepared For:

Kimley - Horn and Associates - Jacksonville

Draft

Order #: 92604

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

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 SUPPLYOF 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

Draft

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 FRAGANCES	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

721 S POWERLINE RD

2006-07	DECASTRO DARIO	BRESSER'S	POMPANO BEACH & DEERFIELD

730 S POWERLINE RD

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

Draft

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
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
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

Draft

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 CONDTNG & 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

Draft

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

Draft

1992	ADT SECURITY SYS SALES		CITY PUBLISHING COMPANY INC.	FORT LAUDERDALE AND VICINITY
1072 S POWERLINE RD				
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
1078 S POWERLINE RD				
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
1100 S POWERLINE RD				
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

Draft

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

Draft

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

Draft

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:

Draft

Broward County Wellfield Map

Broward County Board of County Commissioners Chapter 27- Article XIII Rule of 6/11/2013

Legend

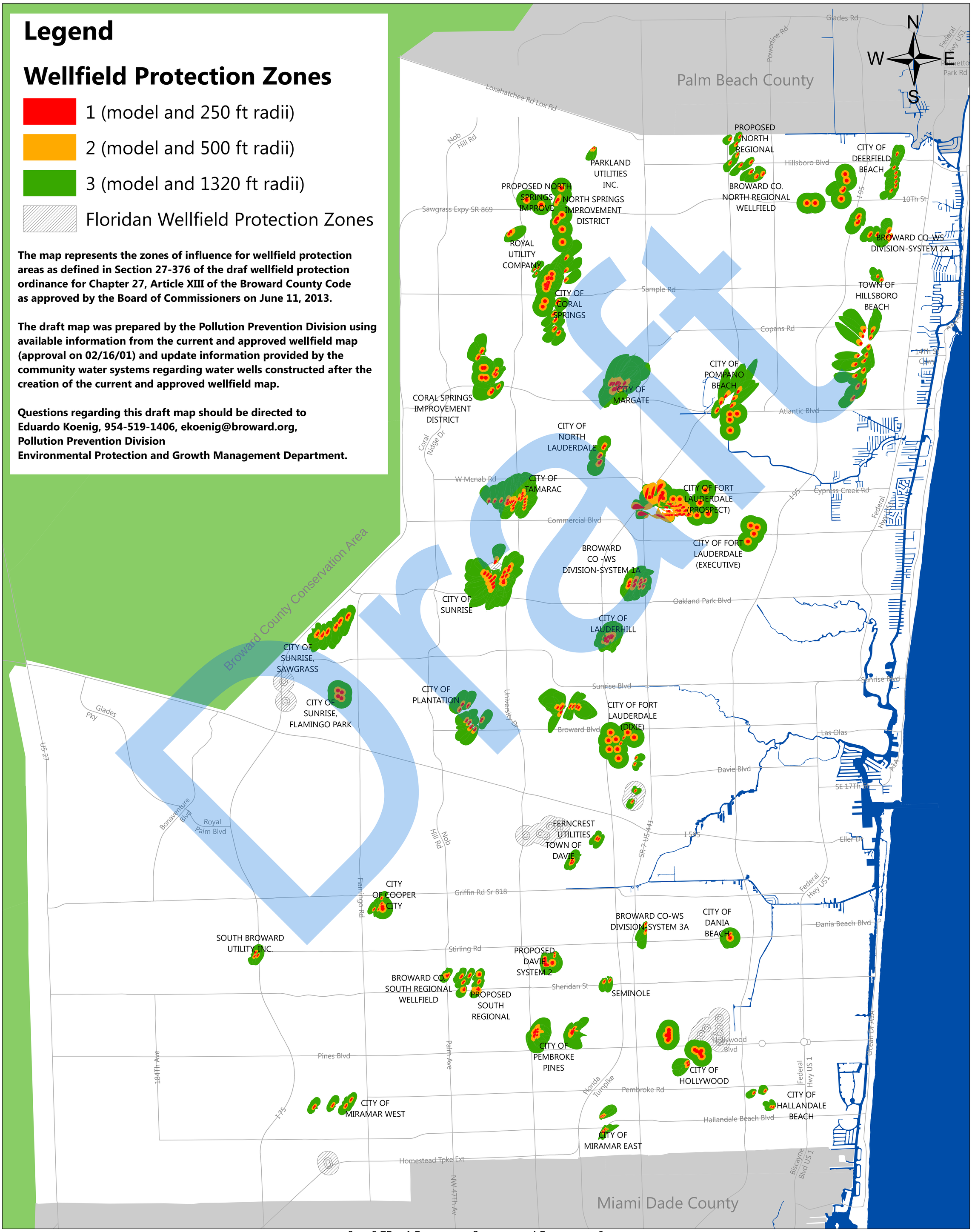
Wellfield Protection Zones

- 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 draf 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.



Update By N. Herne - POLLUTION PREVENTION DIVISION: 1/15/2016

GeoSearch FIM

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.).

Draft

Disclaimer – The information in this report was obtained from a variety of public sources. GeoSearch cannot insure or makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customers interpretation of this report. 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.

GeoSearch
On time. On target. In touch.™

Water Well Report

Draft

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

phone: 888-396-0042 · fax: 512-472-9967 · www.geo-search.com

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).

Draft

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.

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**	

Draft

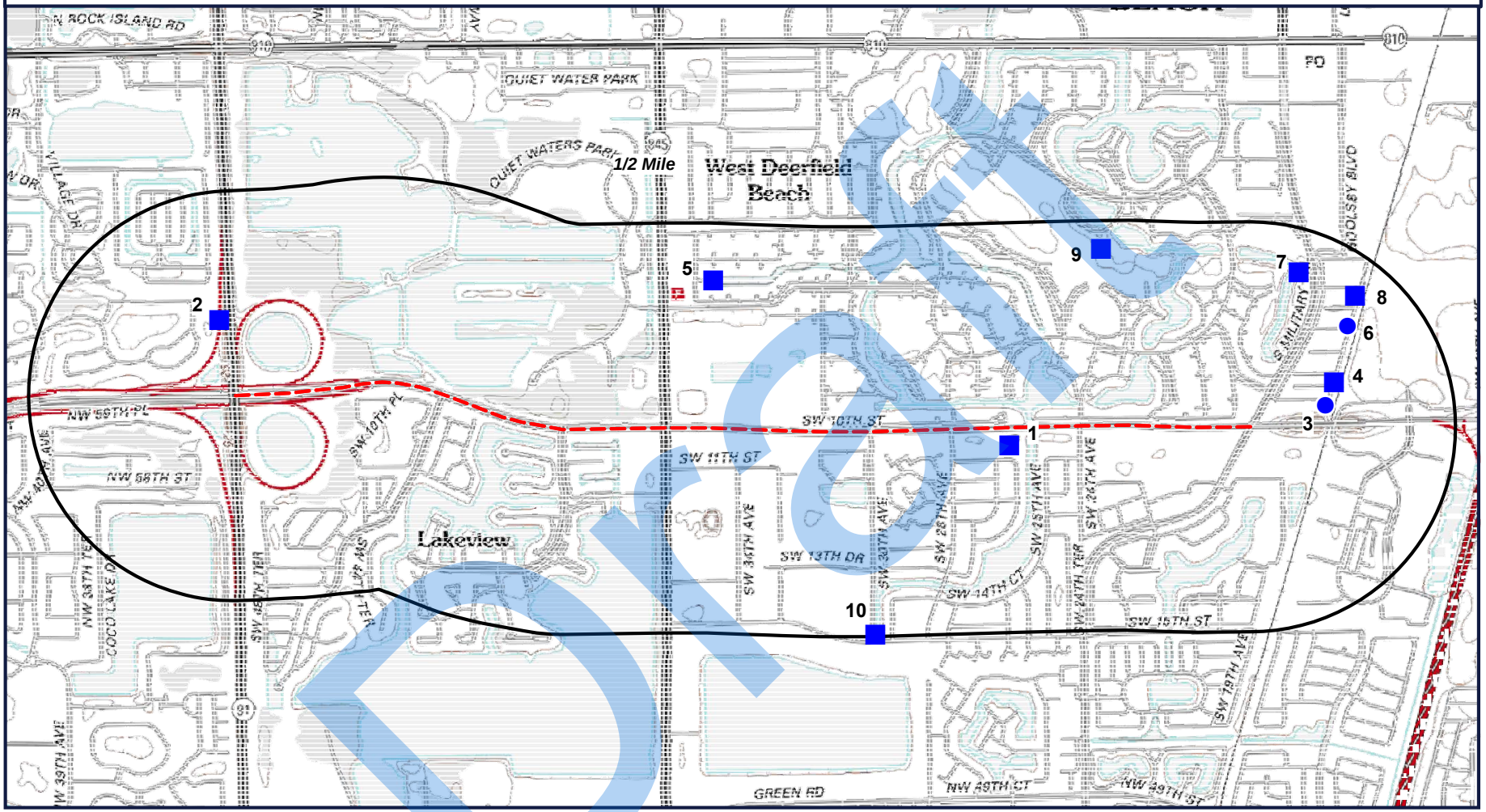
LOCATABLE DATABASE FINDINGS

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
FEDERAL								
NWIS	.5000	0	3	4	6	NS	NS	13
SUB-TOTAL		**0**	**3**	**4**	**6**	**0**	**0**	**13**
STATE (FL)								
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**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Draft

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

N
W E
S

0' 1000' 2000' 3000'

SCALE: 1" = 2000'

Draft

GeoSearch www.geo-search.com - phone: 888-396-0042 - fax: 512-472-9967

JOB #: 240609 - 6/5/2018

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

Draft

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**

Draft

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**

Draft

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**

Draft

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**

Draft

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: **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**

Draft

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**

Draft

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**

Draft

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

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**

Draft

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**

Draft

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

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**

Draft

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

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**

Draft

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**

Draft

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**

Draft

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

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**

Draft

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

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**

Draft

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**

Draft

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.

Draft

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.

Draft

GeoSearch
On time. On target. In touch.™

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

Draft

Order #: 92604
Job #: 201814
Project #: 140504000
PO #: 140504000
Date: 09/01/2017

Table of Contents

Target Property Summary 1

Database Radius Summary 2

Oil & Gas Map 3

Environmental Records Definitions 5

Draft

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.

Draft

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).

Draft

Database Radius Summary

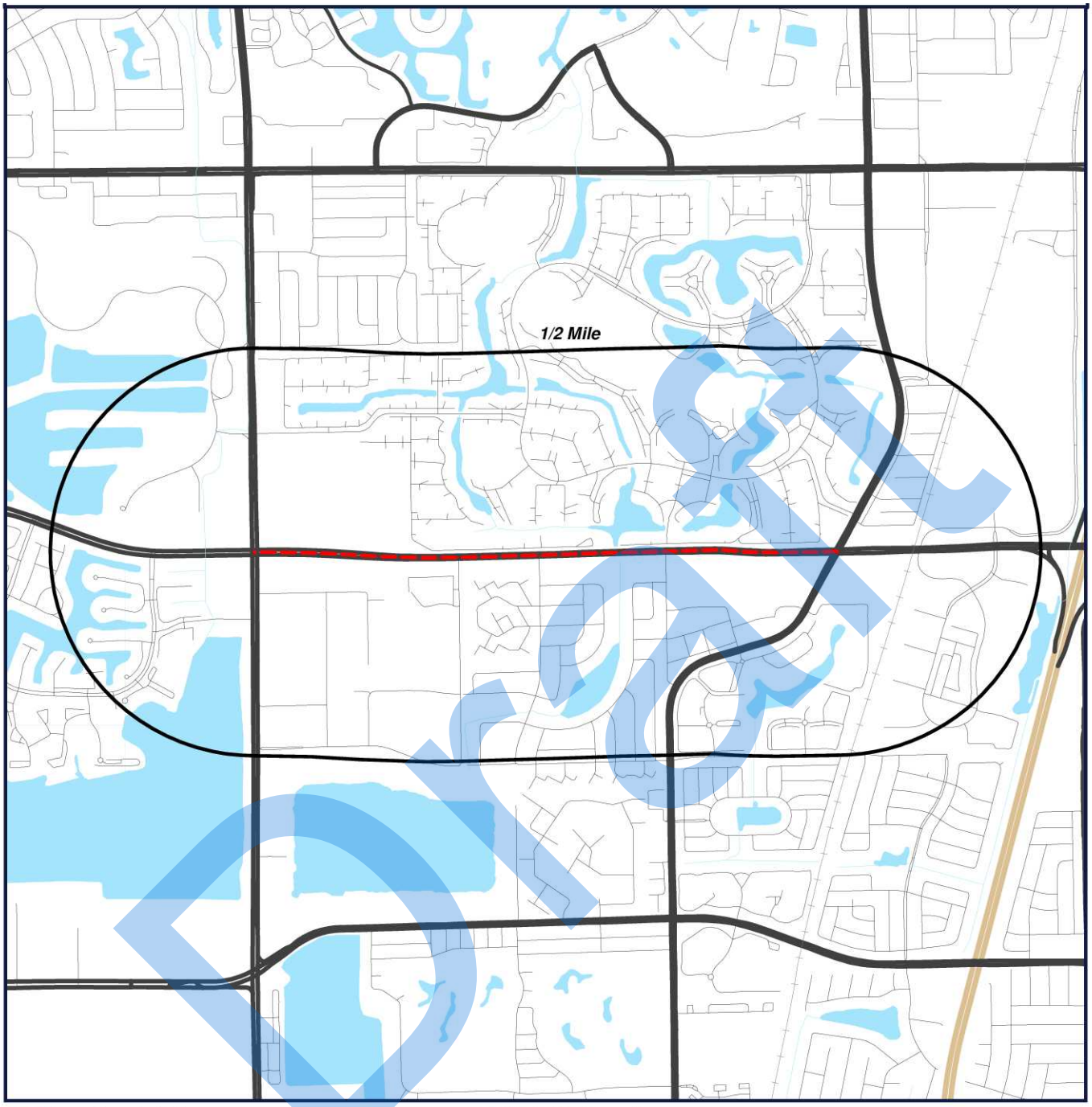
STATE (FL) LISTING

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

Draft

OIL & GAS MAP



Target Property (TP)

Well Location

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

N
W E
S

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

[Click here to access Satellite view]

Located Sites Summary

No Records Found.

Draft

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.

Draft

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

Draft

Table of Contents

Target Property Summary 1

FEMA Map 2

FEMA Report 3

NWI Map 4

NWI Report 5

SOIL Map 6

SOIL Report 7

GEOLOGY Map 8

GEOLOGY Report 9

Draft

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.

Draft

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

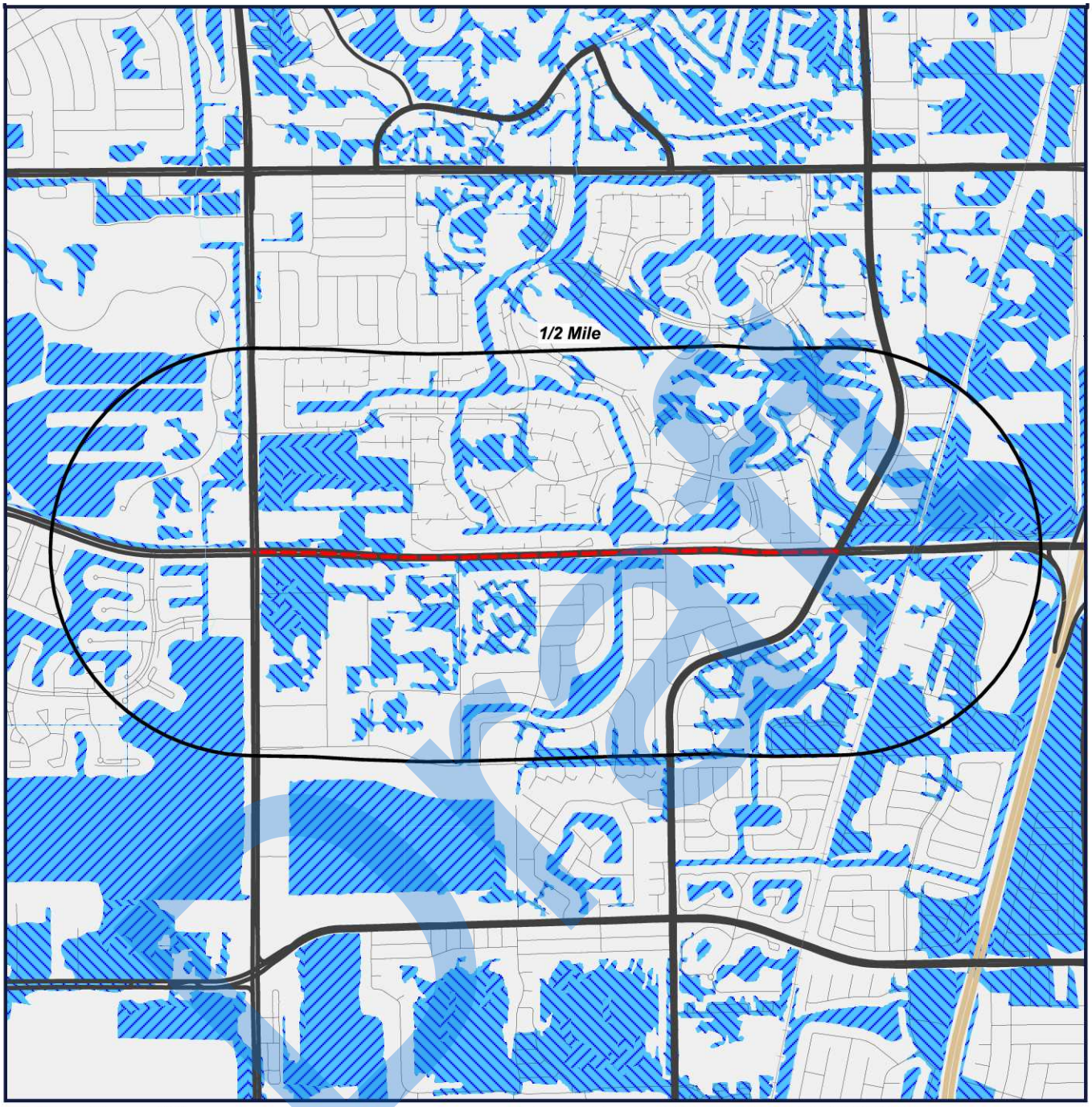
Geographic Coverage Information

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).

Draft

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 betwe
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

N
W E
S

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

[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

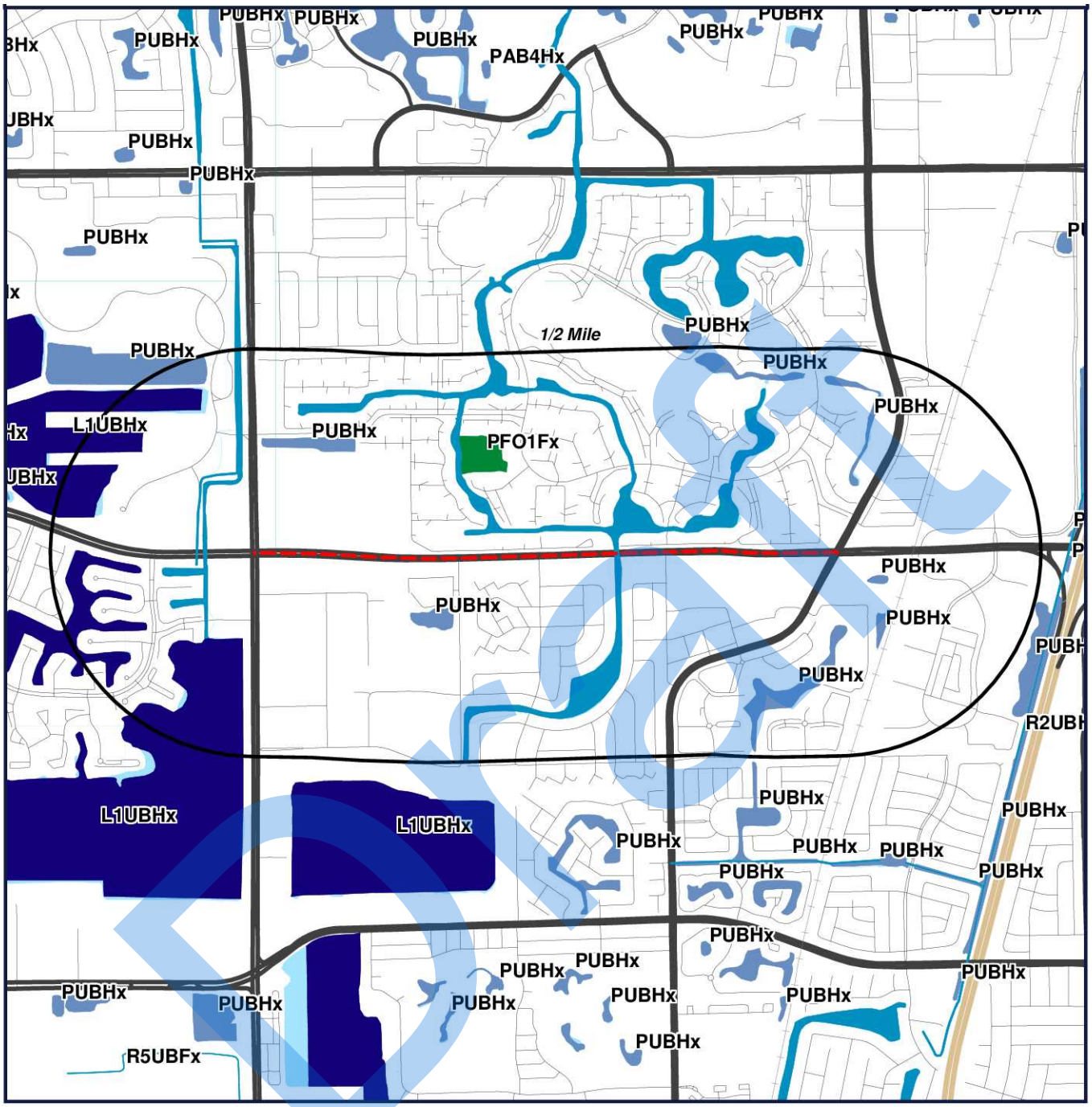
Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.

X	Zone X

An area that is determined to be outside the 100 and 500 year floodplains.

Draft

NWI Map



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

Map Date: 09/26/2016

Draft

[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

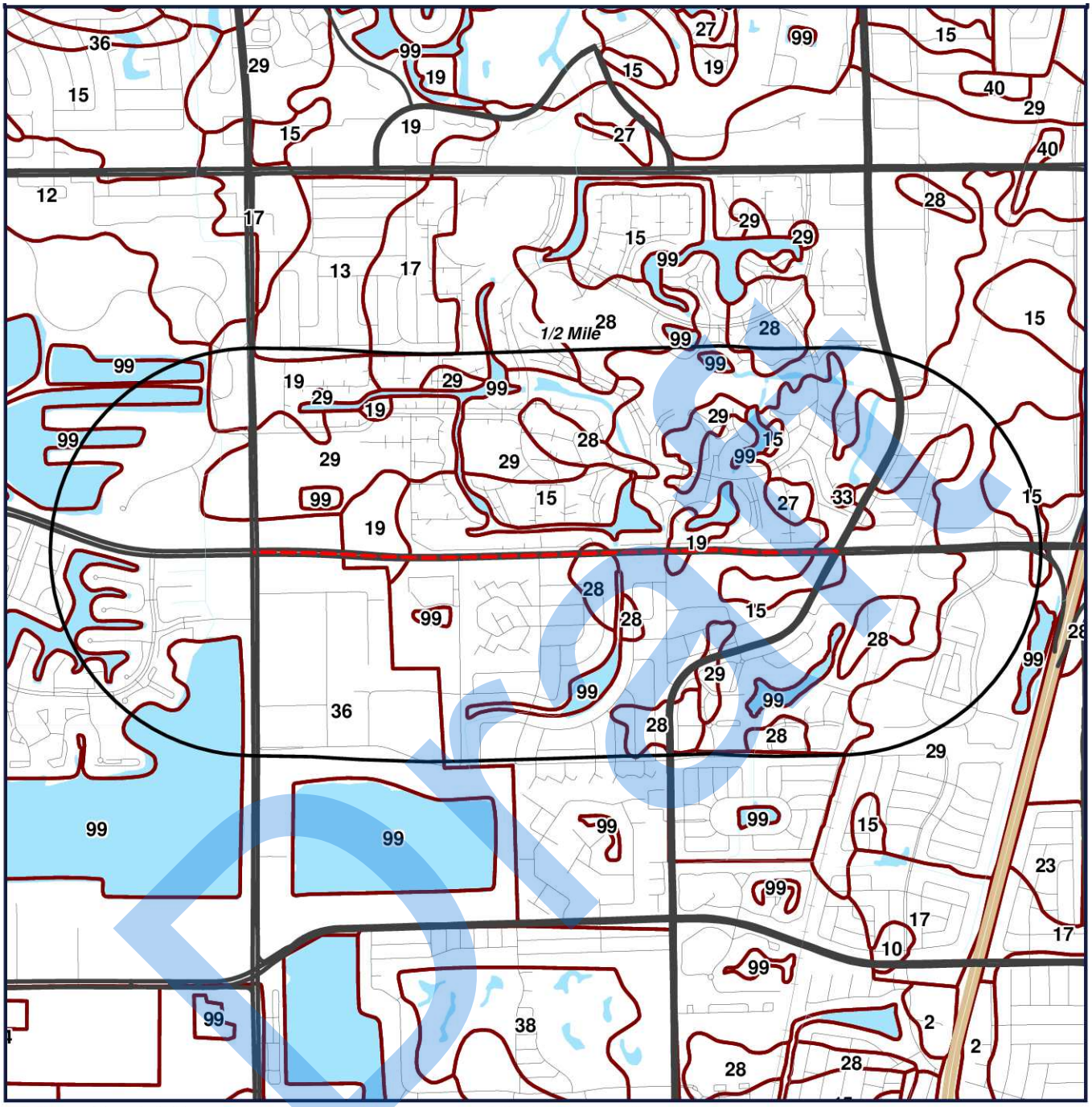
SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED BOTTOM**
SPECIAL MODIFIER: **EXCAVATED**

R2UBHx

SYSTEM: **RIVERINE**
SUBSYSTEM: **LOWER PERENNIAL**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **PERMANENTLY FLOODED**
SPECIAL MODIFIER: **EXCAVATED**

Draft

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

N
W E
S

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

[Click here to access Satellite view]

SOIL Report

Soil Surveys

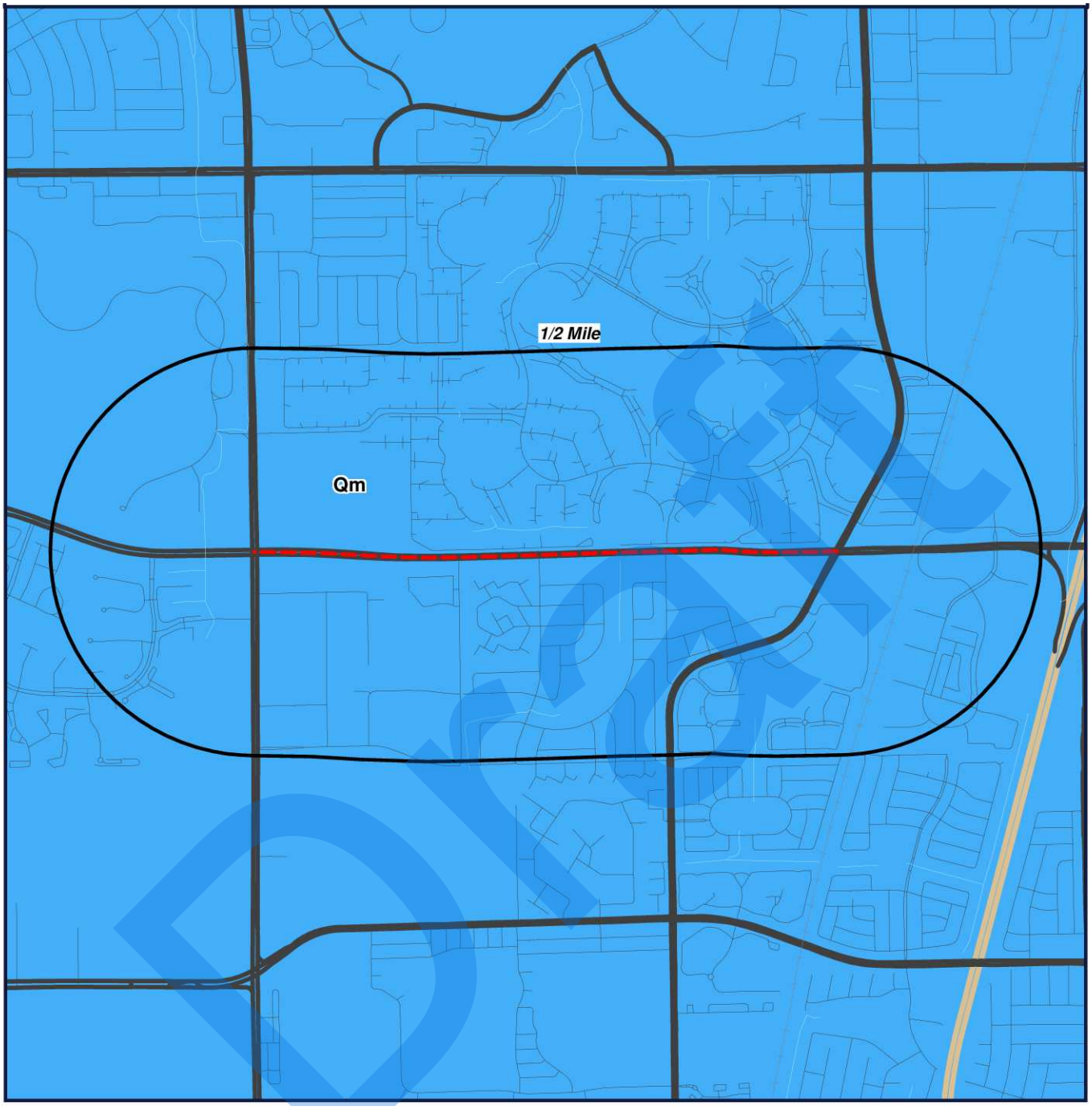
The soil data used in this report is obtained from the Natural Resources Conservation Service (NRCS). The NRCS is the primary federal agency that works with private landowners to help them conserve, maintain and improve their natural resources. The soil survey contains information that can be applied 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

Draft

Geology Map



Target Property (TP)

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

N
W E
S

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**

Draft

APPENDIX D

Surface Water Maps, Drainage Districts

Draft

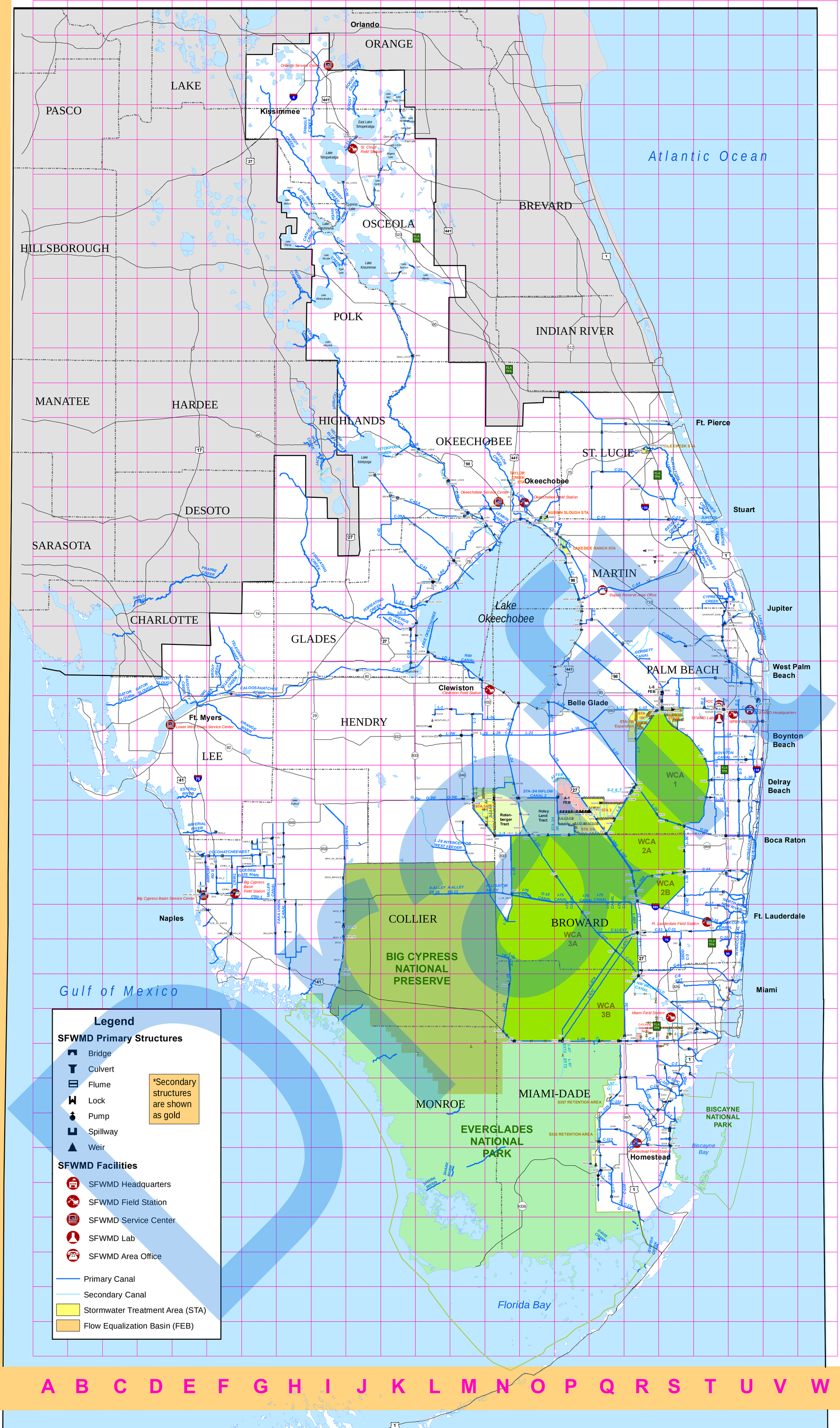
FACILITY AND INFRASTRUCTURE LOCATION INDEX MAP

STRUCTURE INDEX

AJ-1	Q	35	
AJ-2	Q	35	
AJ-3	Q	35	
AJ-4	Q	36	
BEECUL	U	20	
BRN_00_S0105	I	26	
C1	L	20	
C10	O	21	
C10A	P	19	
C11	P	19	
C12	P	21	
C12A	P	21	
C13	P	20	
C14	P	19	
C16	P	19	
C1745	U	21	
C18	T	20	
C18_PC13	T	20	
C18_REESE3	T	19	
C18_YC	S	20	
C18W_PC11	T	20	
C18W_PC12	T	20	
C18W_PC14	T	20	
C18W_PC15	T	20	
C18W_R1	T	19	
C18W_R2	T	19	
C1A	M	20	
C2	M	21	
C3	N	21	
C33BR01	J	7	
C4A	O	22	
C5	L	19	
C5A	L	20	
C6	N	17	
C8	O	16	
C9	O	17	
COCO1	E	26	
COCO2	F	26	
COCO3	F	26	
CORK1	G	26	
CORK2	G	26	
CORK3	G	26	
CR31N	E	26	
CR31S	E	27	
CR951_1	F	27	
CR951_2	F	26	
CS_1	R	30	
CS_NO_1	T	24	
CS_NO_11	U	24	
CS_NO_12	U	25	
CS_NO_3	T	24	
CS_NO_8	U	23	
CS_NO_9	U	23	
CWPB_STUB	U	22	
CWPB2S	S	21	
CWPB6	U	21	
CWPB7	U	22	
CYPRESS1	G	26	
DRY_INTAKE	E	27	FREEDOM PARK
DUPUIS	Q	20	
EAST_BEACH_	P	21	
ESHORE2	P	22	
FC1	K	19	
FP_FARM_WCD	S	14	
FU1	H	29	
FU2	H	28	
FU3	H	27	
FU4	H	27	
FU5	H	26	
FU6	H	26	
FU7	H	25	
G103	I	9	
G108	M	25	
G111	K	9	
G111_WEIR	K	9	
G113	K	9	
G114	S	33	
G119	R	31	
G123	R	27	
G134	L	22	
G136	M	22	
G150	M	23	
G151	M	23	
G160	T	20	
G161	U	21	
G200	N	24	
G204	O	26	
G205	O	26	
G206	P	25	
G207	L	18	
G208	M	18	
G211	Q	32	
G212	N	22	
G300	S	22	STA-1E
G301	R	22	STA-1W
G302	R	22	STA-1W
G310	R	23	STA-1W
G311	S	22	STA-1E
G335	Q	25	STA-2
G336A	R	24	STA-2
G336B	R	24	STA-2
G336C	R	24	STA-2
G336D	R	24	STA-2
G336E	R	24	STA-2
G336F	R	24	STA-2
G336G	Q	25	STA-2
G337A	Q	25	STA-2
G338	R	24	STA-2
G339	R	24	STA-2
G34	N	17	
G341	R	22	
G342E	M	25	STA-5/6
G342F	M	25	STA-5/6
G342O	M	24	STA-5/6
G35	N	16	
G351	N	25	STA-5/6
G357	O	26	
G36	O	17	
G370	P	25	STA-3/4
G371	Q	25	STA-3/4
G372	N	24	STA-3/4
G372HL	N	24	STA-3/4
G373	N	24	STA-3/4
G383	P	25	STA-3/4
G402A	O	25	
G402B	O	25	
G402C	N	25	
G402D	N	24	
G404	O	26	
G406	M	24	STA-5
G407	N	26	STA-6
G408	N	25	
G410	N	24	STA-5
G411	N	24	
G434	P	24	STA-2
G435	Q	25	STA-2
G436	Q	25	STA-2
G508	M	24	STA-5/6
G538	S	22	
G539	S	21	
G54	T	28	
G541	S	21	
G56	U	26	
G57	U	27	
G58	U	30	
G65	U	27	
G69	Q	31	
G70	P	31	
G707	S	22	STA-1E
G709	L	18	
G711	M	24	
G716	S	22	
G717	R	17	
G718	R	18	
G719	R	18	
G720	P	24	
G721	P	25	
G72	S	30	
G722	P	25	
G722W	P	25	
G723N	P	25	
G723S	P	25	
G724A	P	25	
G724B	P	25	
G724C	P	25	
G724D	P	25	
G724E	P	25	
G724F	P	25	
G724G	P	25	
G724H	P	25	
G724I	P	25	
G724J	P	25	
G74	M	18	
G75	M	18	
G76	L	18	
G78	Q	16	
G79	Q	15	
G81	Q	14	
G86N	R	28	
G86S	R	28	
G87	S	29	
G89	N	26	
G92	T	19	
G93	S	32	
G94A	T	24	
G94B	T	24	
G94C	T	23	
G96	M	22	
GG1	E	27	
GG2	F	27	
GG3	F	27	
GG4	G	26	
GG5	G	26	
GG6	G	26	
GG7	G	26	
GORDY_ROAD	R	14	
GRE_00_S0100	E	27	
HALDEM	F	28	
HC1_C	F	28	
HC1_W	F	28	
HC2	F	28	
HEN_CR1	F	28	
I75_1	F	27	
I75_2	F	27	
I75_3	F	26	
ITID_C51W	T	22	
KEHL1	F	25	
L_28_WEIR	N	27	
L3L4	N	26	
L59PC01	N	17	
L61COEHP5	L	18	
L63NBR01	O	16	
L63SBR01	O	16	
L63SBR02	O	17	
L64C	P	17	
L65C	P	17	
L8RES	S	21	
LAINHART_DAM	T	19	
LCB_00_S0070	F	28	
LETTC	P	17	
LWDD_12	U	25	
LWDD_17E	T	26	
LWDD_17W	T	26	
LWDD_2_P	T	22	
LWDD_2_S	T	22	
LWDD_4_P	T	22	
LWDD_4_S	T	22	
LWDD_9_P	U	23	
MASTEN_DAM	T	19	
MILLER1	G	28	
MILLER2	G	27	
MILLER3	G	26	
MONTURA	L	22	
MONTURA_P	L	22	
MONTURAS_S	L	23	
PLM_00_S0100	E	26	

STRUCTURE INDEX (Cont'd.)

S10A	S	25	
S10C	S	25	
S10D	R	25	
S118	S	33	
S119	S	33	
S11A	R	27	
S11B	R	27	
S11C	R	27	
S120	S	32	
S121	S	32	
S122	S	33	
S123	S	33	
S124	S	28	
S125	S	27	
S127	N	17	
S127_LOCK	N	17	
S129	M	18	
S12A	N	31	
S12D	P	31	
S13	T	28	
S131	L	19	
S131_LOCK	L	19	
S133	O	16	
S135	P	18	
S135_LOCK	P	18	
S13AW	S	28	
S14	N	31	
S140	N	27	
S141	R	27	
S142	R	27	
S143	R	27	
S144	R	27	
S145	S	27	
S146	S	27	
S148	R	33	
S149	S	33	
S150	Q	25	
S151	Q	29	
S153	P	19	
S154	M	16	
S154C	M	16	
S155	U	22	
S155A	T	22	
S155AP	T	22	
S165	R	34	
S166	R	34	
S167	R	34	
S169	M	21	
S173	Q	33	
S176	Q	34	
S177	Q	35	
S178	Q	35	
S179	R	34	
S18C	Q	36	
S190	M	26	
S191	O	17	
S192	N	16	
S193	O	16	
S194	R	33	
S195	R	34	
S196	Q	34	
S197	R	36	
S199	Q	35	
S2	O	22	
S200	Q	35	
S20A	S	35	
S20F	S	34	
S20G	S	34	
S201	Q	35	
S204	Q	35	
S21	S	34	
S21A	S	34	
S22	S	32	
S23A	S	34	
S23B	S	34	
S23C	S	34	
S23D	S	34	
S23E	S	34	
S23F	S	34	
S235	L	20	
S236	N	21	
S25	T	31	
S25A	T	31	
S25B	T	31	
S25BP	T	31	
S26	T	31	
S26P	T	31	
S27	T	30	
S28	T	30	
S29	U	30	
S3	N	22	
S30	R	29	
S308	P	19	
S308_LOCK	P	19	
S31	R	30	
S310	M	21	
S319	S	22	STA-1E
S32	R	30	
S32A	R	30	
S33	T	28	
S331	Q	33	
S332	Q	35	
S332D	Q	34	
S333	P	31	
S334	Q	31	
S335	R	31	
S336	Q	31	
S337	R	30	
S338	R	32	
S339	P	27	
S34	R	27	
S340	P	28	
S342N	K	20	
S342S	K	20	
S343A	N	31	
S343B	N	31	
S344	N	30	
S351	O	22	
S352	P	20	
S354	N	22	
S356	Q	31	
S36	T	27	
S362	S	22	STA-1E
S375	S	22	STA-1E
S37A	U	27	
S37B	T	27	
S38	S	27	
S380	R	31	
S381	R	28	
S382W	R	14	
S385	O	16	NUBBIN SLOUGH
S386B	O	16	NUBBIN SLOUGH
S386C	O	16	NUBBIN SLOUGH
S387B	O	16	NUBBIN SLOUGH
S38A	S	27	
S38B	S	26	
S38C	S	27	
S39	S	25	
S390	N	15	TAYLOR CREEK
S391	N	15	TAYLOR CREEK
S392	N	15	TAYLOR CREEK
S39A	S	25	
S4	M	21	
S40	U	25	
S401	R	18	
S404	R	18	
S41	U	23	
S44	U	20	
S46	U	19	
S47B	K	20	
S47D	K	21	
S48	S	16	
S487	H	7	
S488	H	28	
S49	S	16	
S50	S	14	
S57	K	5	
S58	K	5	
S59	J	5	
S59WEIR	J	5	
S5A	S	22	STA-1W
S5AE	S	22	
S5AS	S	22	
S5AW	S	22	
S6	R	24	
S60	K	6	
S61	I	7	
S61_LOCK	I	7	
S62	K	4	
S63	J	7	
S63A	J	7	
S65	K	10	
S65_LOCK	K	10	
S650	P	17	LAKESIDE RANCH
S654A	P	17	LAKESIDE RANCH
S65A	K	12	
S65A_LOCK	K	12	
S65C	L	14	
S65C_LOCK	L	14	
S65D	L	15	
S65D_LOCK	L	15	
S65DX2	L	15	
S65E	M	16	
S65E_LOCK	M	16	
S65EW	M	16	
S67	K	15	
S67X	K	15	
S68	J	15	
S68W	J	15	
S68X	J	15	
S7	Q	25	
S70	K	17	
S700	S	33	
S71	L	18	
S71W	L	18	
S72	M	18	
S72W	M	18	
S75	K	17	
S76	Q	19	
S77	L	20	
S77_LOCK	L	20	
S78	J	21	
S78_LOCK	J	21	
S79	F	21	
S79_LOCK	F	21	
S8	O	26	
S80	S	17	
S80_LOCK	S	17	
S82	K	16	
S82W	K	16	
S83	K	16	
S83W	K	16	
S83X	K	16	
S84	M	16	
S84X	M	16	
S9	R	28	
S97	S	16	
S99	R	14	
S9A	R	28	
S9XN	R	28	
S9XS	R	28	
SR29_1	I	30	
SR29_2	I	30	
SR29_3	I	29	
SR29_4	I	29	
SR29_5	I	29	
SR29_6	I	28	
SR29_6A	I	28	
SR29_6B	I	28	
SR29_7	I	28	
SR29_8	I	28	
SR29_BRIDGE	I	27	
TRAPPER	T	19	
TWINEAG	G	26	
USSO	N	26	
VERANO	R	15	
WET_INTAKE	E	27	FREEDOM PARK
WPB_CS_3	T	21	
WPB_CS_4	U	21	



BIG CYPRESS BASIN FIELD STATION
(239) 597-2236

BIG CYPRESS BASIN SERVICE CENTER
(239) 263-7615

CLEWISTON FIELD STATION
(863) 983-1431

DUPUIS 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

MIAMI FIELD STATION
(305) 513-3420

OKEECHOBEE FIELD STATION
(863) 462-5280

OKEECHOBEE SERVICE CENTER
(863) 462-5260

ORLANDO SERVICE CENTER
(407) 858-6100

SFWMD HEADQUARTERS
(561) 686-8800

ST. CLOUD FIELD STATION
(407) 891-3550

WEST PALM BEACH FIELD STATION
(561) 791-4100

South Florida Water Management District
3301 Gun Club Road, West Palm Beach, Florida 33406
561-686-8800 www.sfwmd.gov

0 5 10 15 20 25 30 Miles

0 10 20 30 40 50 60 Kilometers

GEOSPATIAL SERVICES

IMPORTANT DISCLAIMER:

This map is a conceptual or planning tool only.The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property.

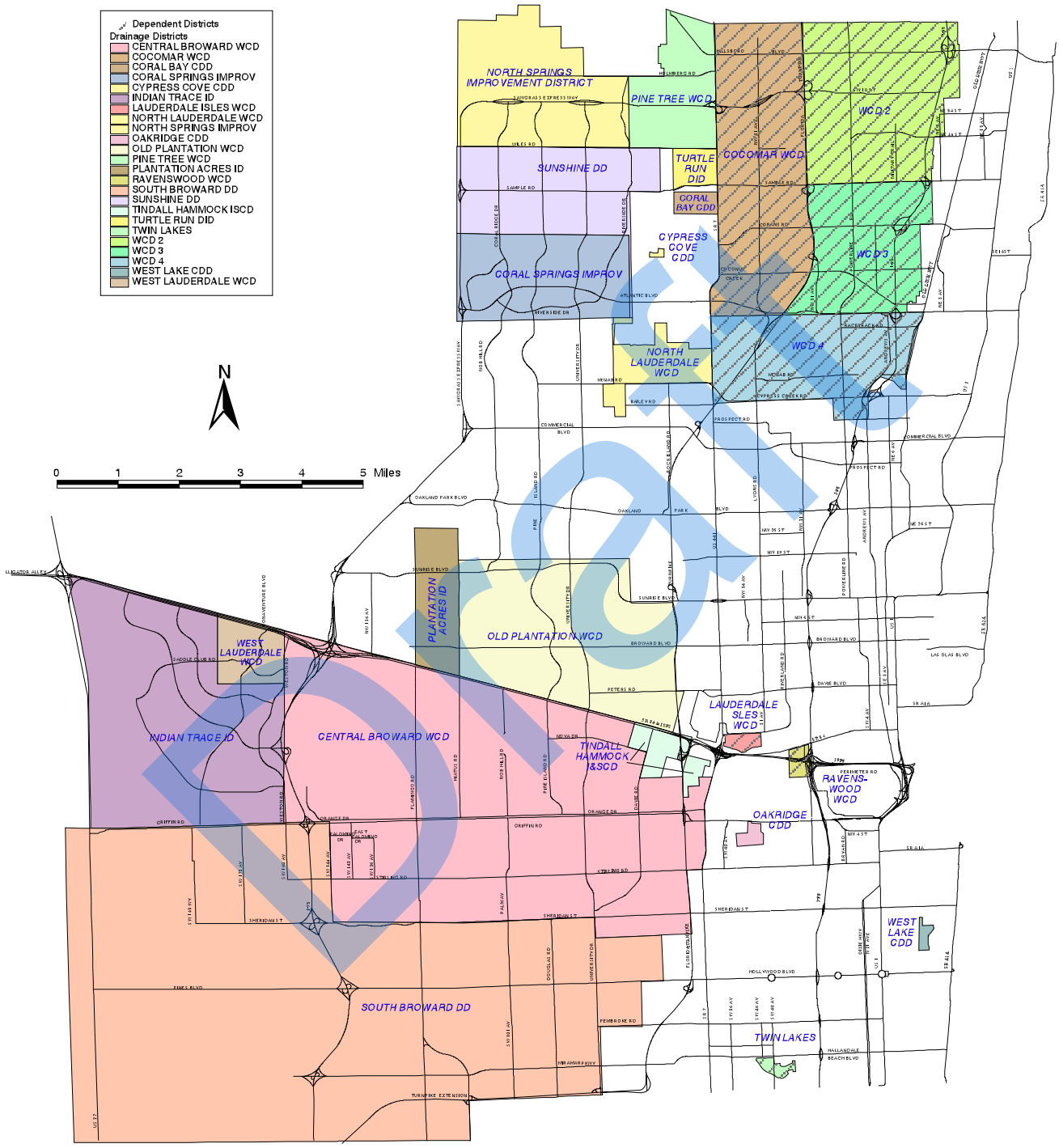
\\ad.sfwmd.gov\dfsroot\data\operations\oprgis\BASE_MAPS\INFRASTRUCTURE\INFRASTRUCTURE_No_Insets_July2016.mxd

Created by: shohner and apeters

Remedy ID Ticket: SR00029965/SR00033399

Date: 7/26/2016

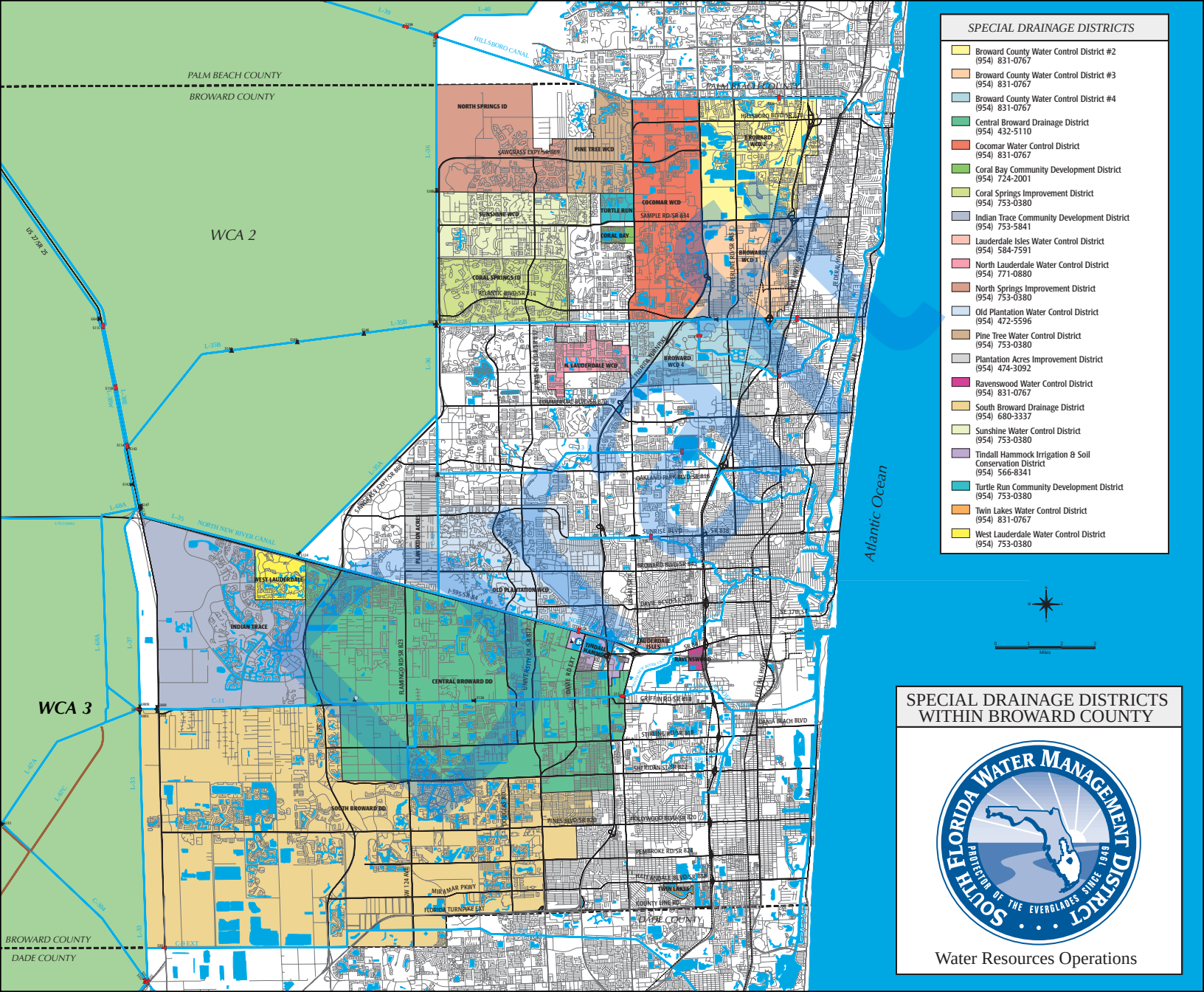
Drainage Districts
Broward County, Florida



Draft

Broward County Department of
Planning and Environmental Protection
Geographic Information Systems
Water Resources Division

/usr/users/rsoodeen/drain0599.apr


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
Cocomar 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
PALM BEACH COUNTY
BROWARD COUNTY
DADE COUNTY
WCA 2
WCA 3
Atlantic Ocean
HILLSBORO CANAL
NORTH NEW RIVER CANAL
NORTH SPRINGS ID
SAWGRASS EXPY/SR 869
PINE TREE WCD
COCOMAR WCD
SUNSHINE WCD
TURTLE RUN
CORAL BAY
CORAL SPRINGS ID
ATLANTIC BLVD/SR 814
N. LAUDERDALE WCD
BROWARD WCD 1
BROWARD WCD 2
BROWARD WCD 3
BROWARD WCD 4
OAKLAND PARK BLVD/SR 816
SUNRISE BLVD
COMMERCIAL BLVD/SR 870
OLD PLANTATION WCD
WEST LAUDERDALE
INDIAN TRACE
CENTRAL BROWARD DD
SOUTH BROWARD DD
PLANTATION ACRES
RAVENSWOOD
TINDALL HAMMOCK
GRIFFIN RD/SR 818
STIRLING RD/SR 848
SHERIDAN ST/SR 822
HOLLYWOOD BLVD/SR 820
PINES BLVD/SR 820
PEMBROKE RD/SR 824
MIRAMAR PKWY
FLORIDA TURNPIKE EXT
COUNTY LINE RD
HOLLYWOOD BLVD/SR 820
DAVIE BLVD/SR 736
RAMP ROAD
SPECIAL DRAINAGE DISTRICTS WITHIN BROWARD COUNTY
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PROTECTOR OF THE EVERGLADES SINCE 1949
Water Resources Operations

APPENDIX E

Wellfield Code

Draft

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.

Draft

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)

Draft

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.

Draft

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)

Draft

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)

Draft

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)

Draft

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)

Draft

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.

Draft

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:

1 st quarter: January 1 through March 31

2 nd quarter: April 1 through June 30

3 rd quarter: July 1 through September 30

4 th quarter: October 1 through December 31

(3)

Draft

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)

Draft

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;

Draft

(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;

Draft

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 (15 th) day of the month following each quarter. The quarterly sample collection periods are:

1 st quarter: January 1 through March 31;

2 nd quarter: April 1 through June 30;

3 rd quarter: July 1 through September 30; and

Draft

4 th 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)

Draft

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 **

Aciflurofen, sodium **

Acrylamide **

Acrylonitrile **

Alachlor *

Aldrin **

Aniline **

Antimony *

Aramite **

Arochlor mixture *

Draft

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 **

Draft

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 **

Draft

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 *

Draft

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 **

Draft

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 **

Hexachlorocyclopentodiene *

Hexachlorodibenzo-p-dioxin (mixture) **

Hexachloroethane **

Hexahydro-1,3,5-trinitro-1,3,5-triazine **

Indeno(1,2,3 cd)pyrene **

Isophorone **

Kelthane **

Kepone **

Lead *

Draft

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- **

Draft

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 **

Draft

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.

Draft

APPENDIX F

Regulatory Files

Draft

SITE 1

SHELL FCE 1836

Draft

7009 1410 0001 6831 4001

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

069800891 USE

Postage	mailed out	9/27/17 Jeanine
Certified Fee		Postmark Here
Return Receipt Fee (Endorsement Required)	SRCO	
Restricted Delivery Fee (Endorsement Required)		

Total P

Sent To

Street, A or PO B

City, Sta

Skip Hutton,
Director/Environmental
First Coast Energy, LLP
7014 A.C. Skinner Parkway, # 2490
Jacksonville, FL 32256

PS Form 3800, August 2006 See Reverse for Instructions

Draft

Certified Mail Provides:

- A mailing receipt
- A unique identifier for your mailpiece
- A record of delivery kept by the Postal Service for two years

Important Reminders:

- Certified Mail may ONLY be combined with First-Class Mail® or Priority Mail®.
- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- 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*".
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry.

PS Form 3800, August 2006 *(Reverse)* PSN 7530-02-000-9047

Draft

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- 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 Sorthy Wells

☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

OREN

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

RECEIVED
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AM 8:12
RESTORATION PROGRAM

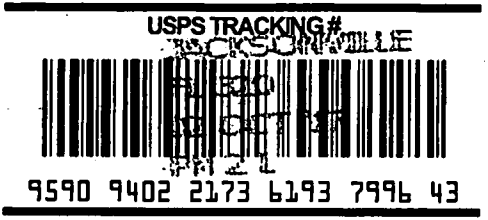
3. Service Type

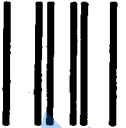
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

Draft





First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

United States Postal Service

• Sender: Please print your name, address, and ZIP+4® in this box•

Jeanine Sanders
Fla Department of Environmental Protection
Bob Martinez Center
2600 Blair Stone Road MS 4540
Tallahassee, Florida 32399-2400

Draft

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.

Draft

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.

Draft

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.

Draft

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

ec: Paul Wierzbicki, FDEP Southeast District Office – Paul.Wierzbicki@dep.state.fl.uss
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

Draft

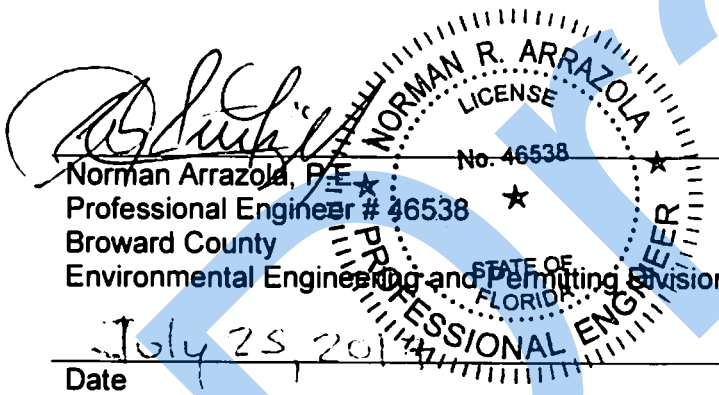
P.E. CERTIFICATION

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.

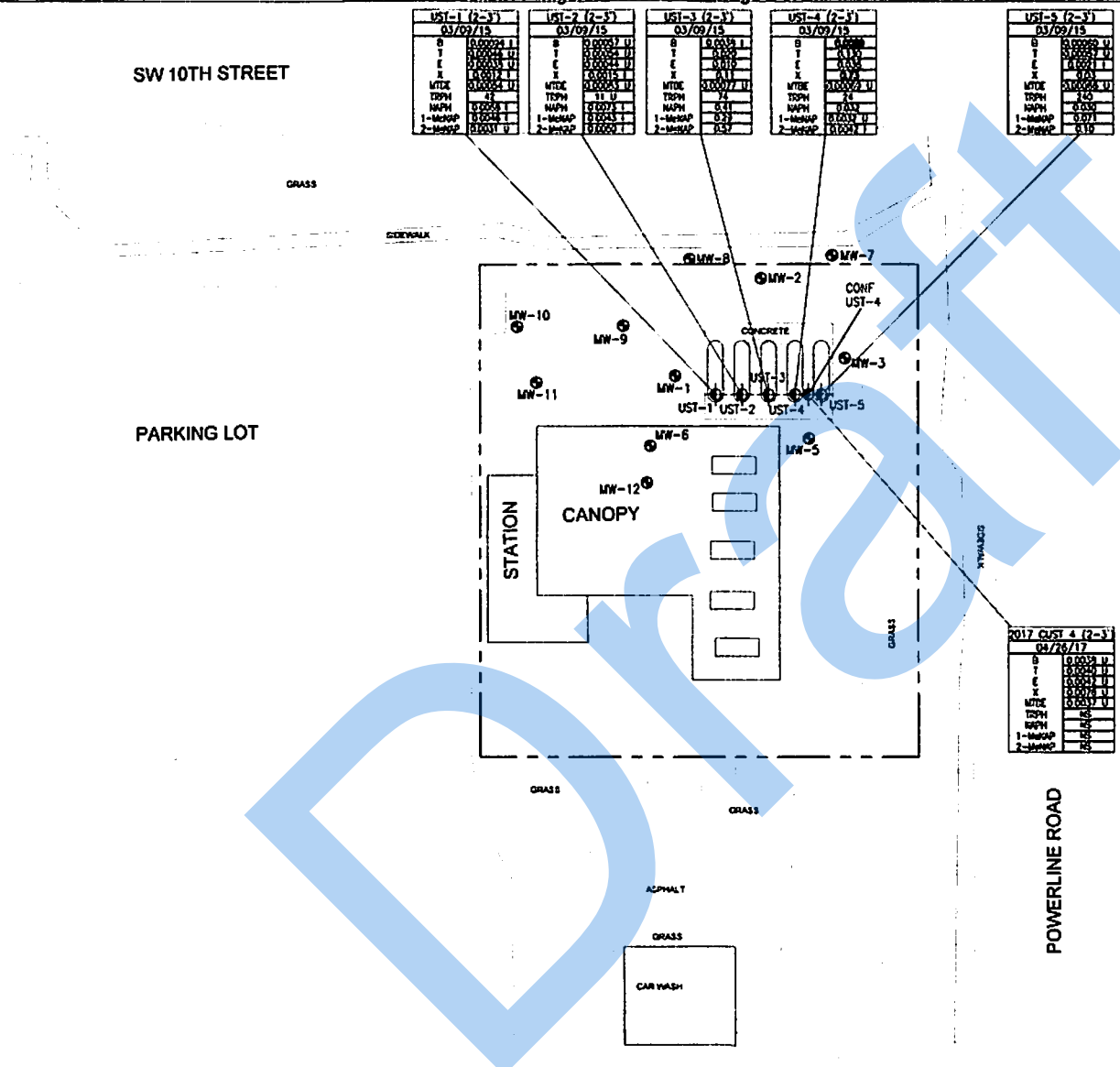
✓ This review was conducted by John Moore working under my direct supervision.



Norman Arrazola, P.E.
Professional Engineer # 46538
Broward County
Environmental Engineering and Permitting Division

July 25, 2017
Date

Draft



Draft

ECOTECH
ENVIRONMENTAL SERVICES, INC.

LEGEND

- HISTORICAL SOIL BORING LOCATION
- MONITOR WELL LOCATION
- PROPERTY BOUNDARY

SB-# (DEPTH)	BORING ID
M/D/Y	SAMPLE DATE
B	BENZENE CONCENTRATION (mg/Kg)
T	TOLUENE CONCENTRATION (mg/Kg)
E	ETHYLBENZENE CONCENTRATION (mg/Kg)
X	TOTAL XYLENES CONCENTRATION (mg/Kg)
MTBE	MTBE CONCENTRATION (mg/Kg)
TRPH	TRPH CONCENTRATION (mg/Kg)
NAPH	NAPHTHALENE CONCENTRATION (mg/Kg)
1-MeNAP	1-METHYLNAPHTHALENE CONCENTRATION (mg/Kg)
2-MeNAP	2-METHYLNAPHTHALENE CONCENTRATION (mg/Kg)

MTBE = METHYL TERT-BUTYL ETHER
TRPH = 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

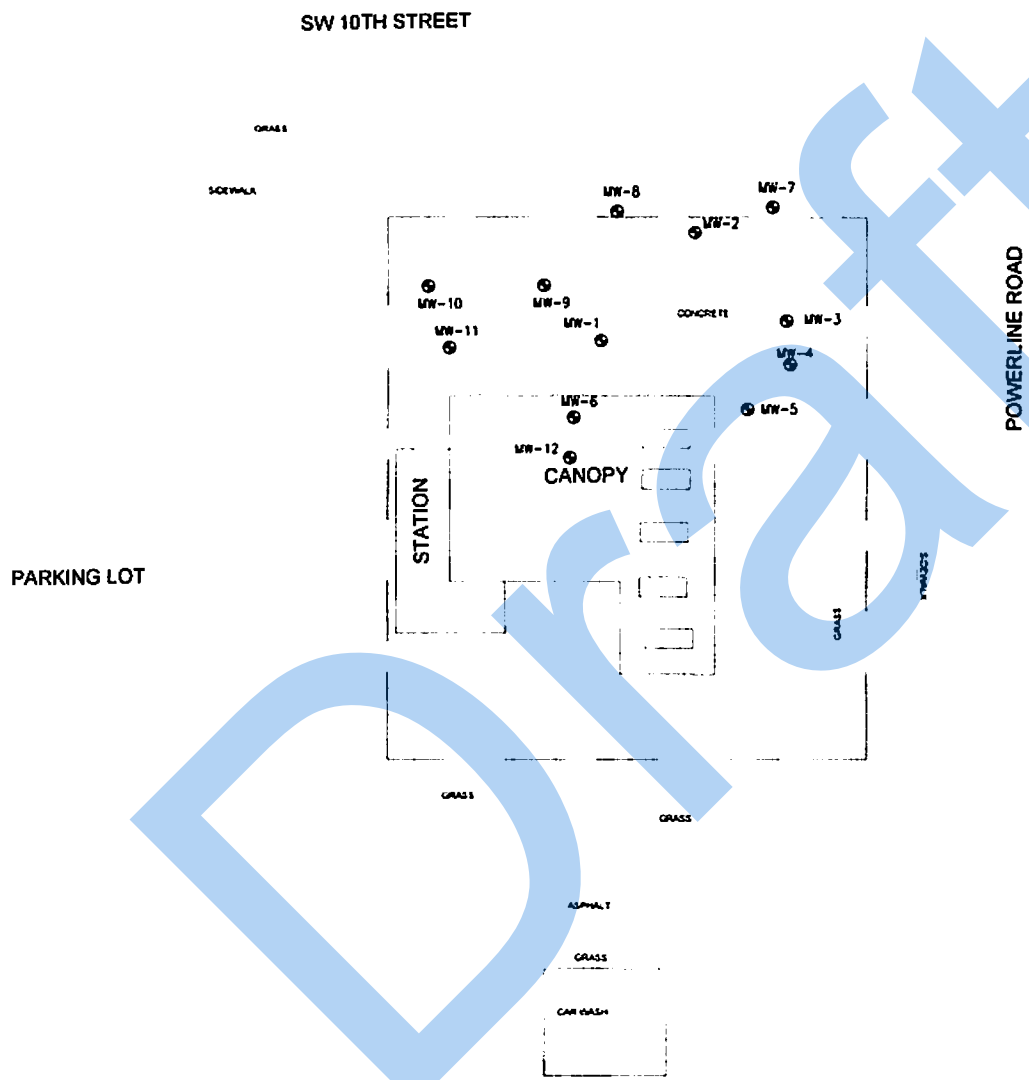
NOTE:

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

DRAFTED BY: JA	HISTORICAL SOIL ANALYTICAL MAP
CHECKED BY: IMD	FIRST COAST ENERGY 1838 1011 S. POWERLINE ROAD DEERFIED BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891
REVIEWED BY: TD	Ecotech Environmental Services, Inc.
NORTH	SCALE IN FEET (APPROXIMATE): 0 30
	DATE: 06/08/17
	FIGURE: 4



ECOTECH
ENVIRONMENTAL SERVICES, INC

LEGEND

⊕ MONITOR WELL LOCATION

DRAFTED BY: CCA	SITE MAP
CHECKED BY:	FIRST COAST ENERGY 1636 1011 S. POWERLINE ROAD DEERFIED BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891
REVIEWED BY:	Ecotech Environmental Services, Inc.
NORTH	SCALE IN FEET (APPROXIMATE): 0 30
	DATE: 3/21/16
	FIGURE: 1

Draft

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 (fbls)	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

Draft

TABLE 2: SOIL SAMPLING ANALYTICAL SUMMARY

Facility Name: FCE 1836
1011 S. POWERLINE RD., DEERFIELD BEACH, FL

I/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 Location	Sample Date	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(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(g,h,i)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(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)
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	850
Table II Direct Exposure Limit		55	200	210	2,400	1,800	21,000		0.1		2,500				3,200	2,600		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	0.0059 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	0.0028 U	0.0040 U	0.0022 U	0.0021 U
UST #5 (2-3)	3/9/2015	0.020	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

Draft

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

Draft

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	0.36 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	0.36 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	0.36 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	0.36 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	0.36 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	0.36 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	0.36 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
MW-11	11/3/2015	0.36 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	0.36 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 quantation 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.**

Draft

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 dibenz(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

Draft

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#: 0*69800891
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:

Draft

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: 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:

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**
Eduardo Koenig	
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

Draft

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 perfromed 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 Responsiblity	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.

Draft

Facility ID: 9800891

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

Draft

Facility ID: 9800891

Added Date 10/23/2017

Fading colors on lid covers

Added Date 10/23/2017

Sump lid which should be repaired

Draft

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: 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:

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**
Eduardo Koenig	
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

Draft

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 perfromed 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 Responsiblity	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.

Draft

Facility ID: 9800891

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

Draft

Facility ID: 9800891

Added Date 10/23/2017

Fading colors on lid covers

Added Date 10/23/2017

Sump lid which should be repaired

Draft

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.

Draft

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.

Draft

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.

Draft

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

ec: Paul Wierzbicki, FDEP Southeast District Office – Paul.Wierzbicki@dep.state.fl.uss
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

Draft

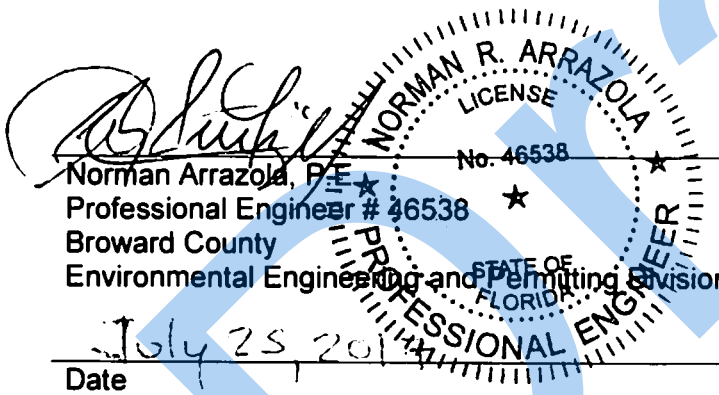
P.E. CERTIFICATION

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.

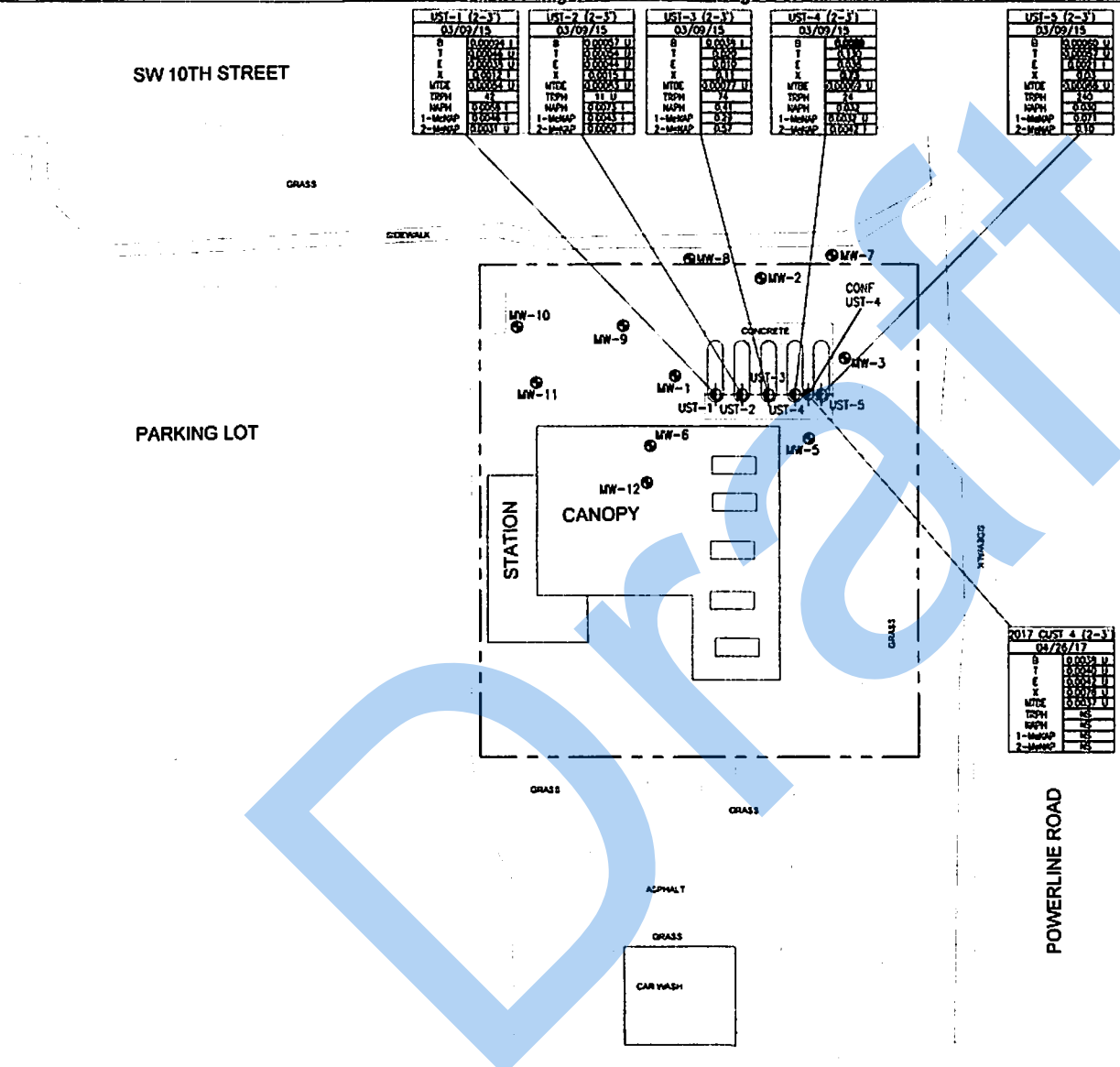
✓ This review was conducted by John Moore working under my direct supervision.



Norman Arrazola, P.E.
Professional Engineer # 46538
Broward County
Environmental Engineering and Permitting Division

July 25, 2017
Date

Draft



Draft

ECOTECH
ENVIRONMENTAL SERVICES, INC.

LEGEND

- HISTORICAL SOIL BORING LOCATION
- MONITOR WELL LOCATION
- PROPERTY BOUNDARY

SB-# (DEPTH)	BORING ID
M/D/Y	SAMPLE DATE
B	BENZENE CONCENTRATION (mg/Kg)
T	TOLUENE CONCENTRATION (mg/Kg)
E	ETHYLBENZENE CONCENTRATION (mg/Kg)
X	TOTAL XYLENES CONCENTRATION (mg/Kg)
MTBE	MTBE CONCENTRATION (mg/Kg)
TRPH	TRPH CONCENTRATION (mg/Kg)
NAPH	NAPHTHALENE CONCENTRATION (mg/Kg)
1-MeNAP	1-METHYLNAPHTHALENE CONCENTRATION (mg/Kg)
2-MeNAP	2-METHYLNAPHTHALENE CONCENTRATION (mg/Kg)

MTBE = METHYL TERT-BUTYL ETHER
TRPH = 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

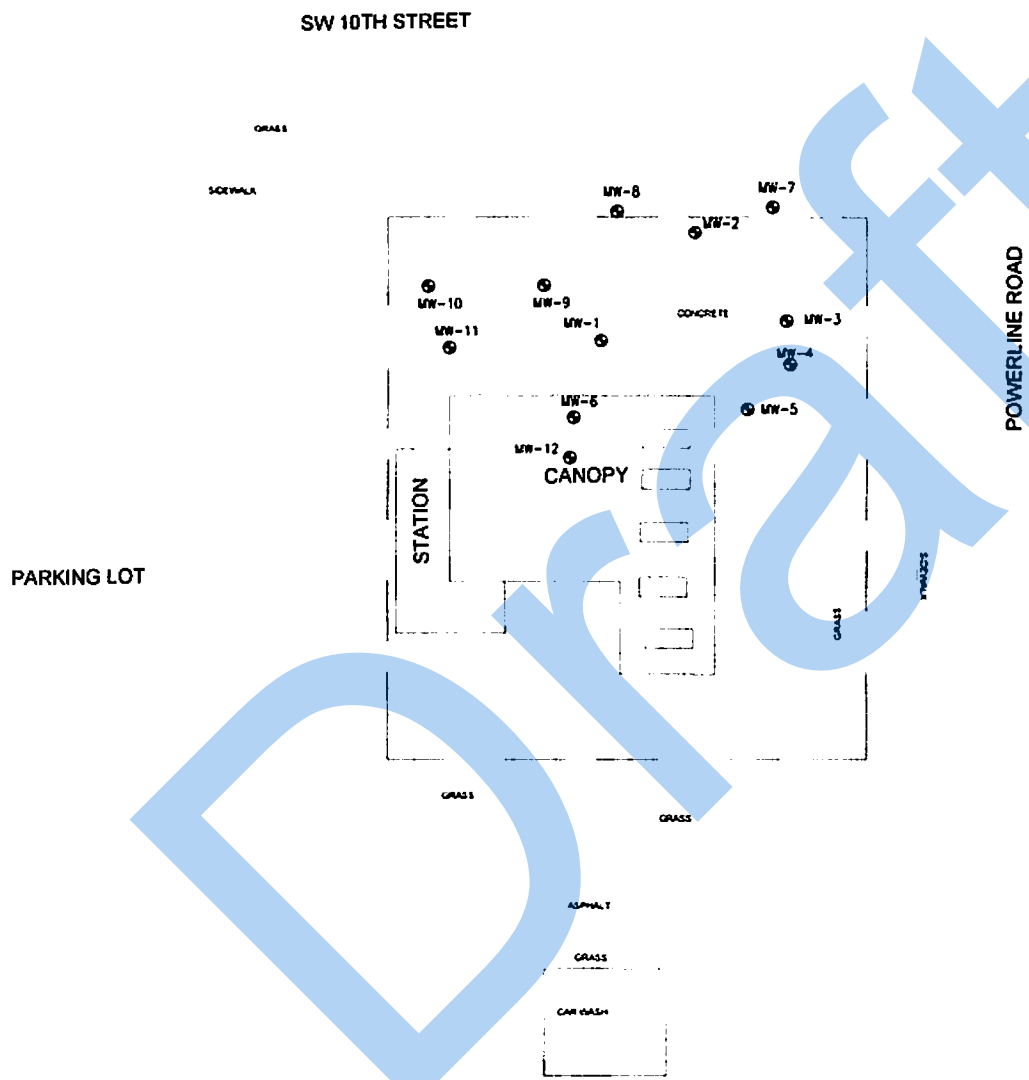
NOTE:

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

DRAFTED BY: JA	HISTORICAL SOIL ANALYTICAL MAP
CHECKED BY: IMD	FIRST COAST ENERGY 1838 1011 S. POWERLINE ROAD DEERFIED BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891
REVIEWED BY: TD	Ecotech Environmental Services, Inc.
NORTH	SCALE IN FEET (APPROXIMATE): 0 30
	DATE: 06/08/17
	FIGURE: 4



ECOTECH
ENVIRONMENTAL SERVICES, INC

LEGEND

⊕ MONITOR WELL LOCATION

DRAFTED BY: CCA	SITE MAP
CHECKED BY:	FIRST COAST ENERGY 1636 1011 S. POWERLINE ROAD DEERFIED BEACH, PALM BEACH COUNTY, FLORIDA FDEP FAC. ID: 06/9800891
REVIEWED BY:	Ecotech Environmental Services, Inc.
NORTH	SCALE IN FEET (APPROXIMATE): 0 30
	DATE: 3/21/16
	FIGURE: 1

Draft

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 (fbls)	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

Draft

TABLE 2: SOIL SAMPLING ANALYTICAL SUMMARY

Facility Name: FCE 1836
1011 S. POWERLINE RD., DEERFIELD BEACH, FL

I/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 Location	Sample Date	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(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(g,h,i)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(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)
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	850
Table II Direct Exposure Limit		55	200	210	2,400	1,800	21,000		0.1		2,500				3,200	2,600		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	0.0059 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	0.0028 U	0.0040 U	0.0022 U	0.0021 U
UST #5 (2-3)	3/9/2015	0.020	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

Draft

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

Draft

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	0.36 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	0.36 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	0.36 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	0.36 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	0.36 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	0.36 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	0.36 U	0.49 U	0.38 U	1.1 U	0.24 U	NS
MW-11	11/3/2015	0.36 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	0.36 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 quantation 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.**

Draft

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 dibenz(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

Draft

SITE 2

DEERFIELD BEACH WELL FA-2

Draft

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

Draft

Facility ID: 9812649

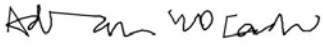
Eduardo J. Koenig

INSPECTOR NAME

Adrian Mocanu

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

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 Responsiblity	01/16/2016	09/08/2016	Insurance is valid from 01/16/2016-01/16/2017

Draft

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 pneumercator 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.

Draft

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

Draft

Facility ID: 9812649

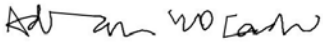
Eduardo J. Koenig

INSPECTOR NAME

Adrian Mocanu

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

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 Responsiblity	01/16/2016	09/08/2016	Insurance is valid from 01/16/2016-01/16/2017

Draft

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 pneumercator 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.

Draft

SITE 3

KONICA GRAPHIC

Draft

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
Environmental Manager
Hazardous Waste Regulation Section

Site: 184144

Draft

RW 184144

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OT

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

RECEIVED
Date Received
(For Official Use Only)
MAY 08 2001
RCRA
Hazardous Waste Regulation

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

[X] A. Initial Notification [ ] B. Subsequent Notification (Complete item C)

C. Installation's EPA ID Number: FLR000076695

II. Name of Installation (Include company and specific site name)

Konica Graphic Imaging Int'l, Inc.

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street: 1072 Powerline Road

Street (Continued):

City or Town: Deerfield Beach State: FL Zip Code: 33442-

County Code: 011 County Name: Broward

N26 19 35/W80 09 11

SE

IV. Installation Mailing Address (See instructions)

Street or P.O. Box: Same

City or Town: State: Zip Code:

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last): Holbrook (First): Jean

Job Title: Manager Phone Number (Area Code and Number): 954-480-9800

VI. Installation Contact Address (See instructions)

A. Contact Address Location: [X] Mailing: [ ]

B. Street or P.O. Box:

City or Town: State: Zip Code:

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner: Konica Graphic Imaging Int'l, Inc.

Street, P.O. Box, or Route Number: 71 Charles Street

City or Town: Glen Cove State: NY Zip Code: 11542-

Phone Number (Area Code and Number): 516-674-2500

B. Land Type: P

C. Owner Type: P

D. Change of Owner Indicator: Yes [ ] No [ ] Date Changed: Month Day Year

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OT

ID - For Official Use Only

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to Instructions)*

A. Hazardous Waste Activities

1. Generator (See Instructions)
   - ☐ a. Greater than 1000kg/mo (2,200 lbs.)
   - ☐ b. 100 to 1000 kg/mo (220-2,200 lbs.)
   - ☒ c. Less than 100 kg/mo (220 lbs)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - ☐ a. For own waste only
   - ☐ b. For commercial purposes

Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify

3. ☐ Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions.
4. Exempt Boiler and/or Industrial Furnace
   - ☐ a. Smelting, Melting, and Refining Furnace Exemption
   - ☐ b. Small Quantity On-Site Burner Exemption
5. ☐ Underground Injection Control

B. Universal Waste Activity

☐ Large Quantity Handler of Universal Waste

C. Used Oil Management Activities

1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies)
   - ☐ a. Transporter
   - ☐ b. Transfer Facility
2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
   - ☐ a. Processor
   - ☐ b. Re-refiner
3. ☐ Off-Specification Used Oil Burner
4. Used Oil Fuel Marketer
   - ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner
   - ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

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.)*

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic
	X		

(List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s))

1	2	3	4

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	Name and Official Title *(Type or print)*	Date Signed
Ian Blundell.	Ian Blundell VP - Manufacturing	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.)*

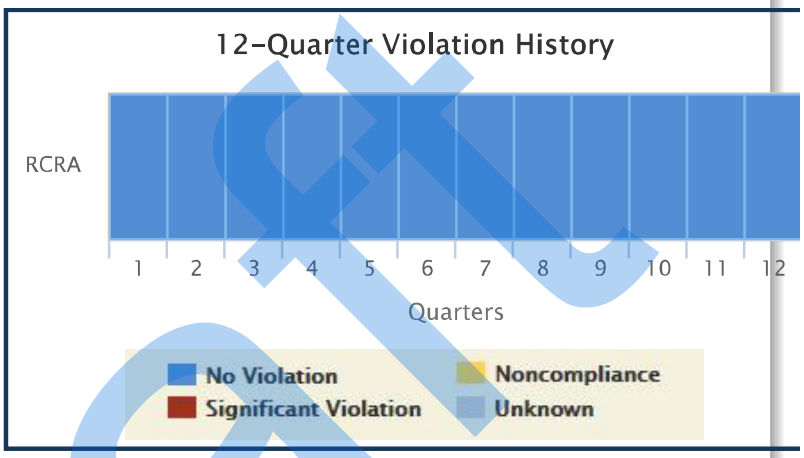
ECHO Enforcement and Compliance History Online

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)	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 (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 (H)			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

Draft

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)
Coconut 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 (Source ID: FLR000076695)		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

Draft

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

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

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

Draft

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%	Households 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.	Households 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%)

Draft

SITE 4

MED CARE

Draft

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

Draft

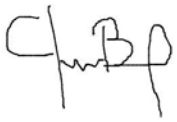
Facility ID: 9100756

Clearvens C JeanBaptiste

INSPECTOR NAME

Jorge Mejia (Jorge@med-care.us)

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 Responsiblity	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

Draft

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

Draft

Facility ID: 9100756

Added Date 09/07/2016

fill port

Draft

SITE 5

FARMER & IRWIN

Draft

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

STORAGE TANK REGISTRATION ACCOUNT STATEMENT

RECEIVED D.E.R. 92 AUG 18 PM 3:55

STORAGE TANK REGISTRATION

JUL 29 1992

FARMER & IRWIN

CAROL M. BROWNER
SECRETARY

DATA ENTERED
SEP 1 1992

LAWTON CHILES
GOVERNOR

FARMER & IRWIN CORP
PO BOX 16117
RIVIERA BEACH FL 33419-0117

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

DER033 (03/92)

Draft

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.

Draft

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 (407) 842-5316
P.O. Box 10117 • Riviera Beach, Florida 33419-1117 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:

Refering 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

Draft

DEPARTMENT OF ENVIRONMENTAL REGULATION
STATIONARY TANK INVENTORY SYSTEM
FACILITY/OWNER/TANK INFORMATION REPORT

CNTY/FAC # FACILITY DATA — OWNER DATA

06/8838386 FARMER & IRWIN CORP.
3301 SW 11TH ST
DEERFIELD BEACH FL 33442-8146
(305)421-6465
OPER: FARMER & IRWIN

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	~~F~~B	7/7/92	will not replace	
2	1000	09/73	D	U	AC	B	B	~~F~~B	7/7/92	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

CONTAMINATION REPORTED

TANK #	GALLONS	INSTALLED	CONTENTS	POSITION	CONSTRUCTION	PIPING SYS	MONITOR SYS	DISPOSAL	LAST USED	--- 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

Draft

SITE 6

QUIET WATERS

Draft

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

Draft

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

Draft

SITE 7

DEVCON

Draft

ECHO Enforcement and Compliance History Online

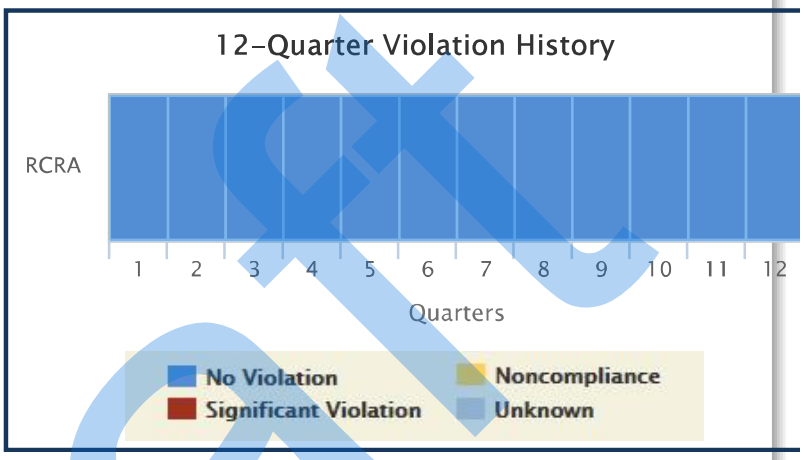
Detailed Facility Report

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

Draft

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)
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)/HPV (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

Draft

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

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

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

Draft

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%)

Draft

SITE 8

RYAN INC

Draft

ECHO Enforcement and Compliance History Online

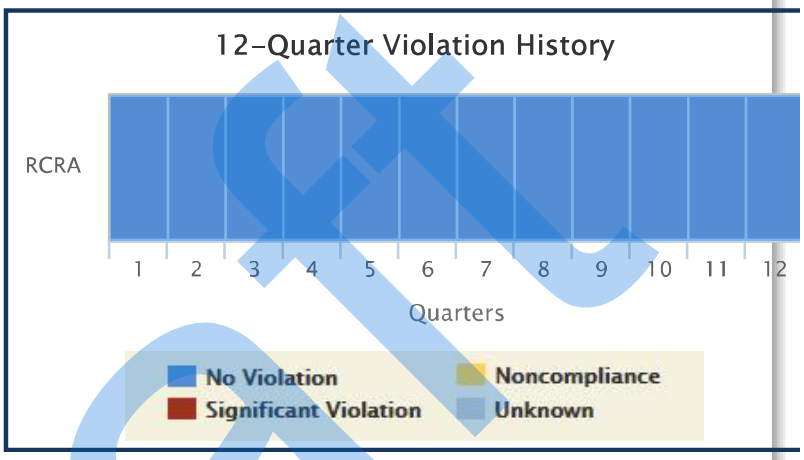
Detailed Facility Report

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

Draft

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)
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)

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	FLD982139628	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: 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)

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

Draft

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

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

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

Draft

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%)

Draft

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor | Dale Twachtmann, 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

Draft

5006 P02609

Please print or type with ELITE type *(12 characters per inch)* in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-88.
GSA No. 0246-EPA-OT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

4/24/90

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)*.

For Official Use Only

Comments

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)	
FLD982139628 T/A C			Broward OIL SC

I. Name of Installation

RYAN INCORPORATED EASTERN SHOP

II. Installation Mailing Address

Street or P.O. Box	City or Town	State	ZIP Code
786 SOUTH MILITARY TRAIL	DEERFIELD BEACH	FL	33442

III. Location of Installation

Street or Route Number	City or Town	State	ZIP Code
1071 S.W. 30th AVE	DEERFIELD BEACH	FL	33442

IV. Installation Contact

Name and Title *(last, first, and job title)*	Phone Number *(area code and number)*
STEWART JERRY (SAFETY DIRECTOR)	305 427 5599

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership *(enter code)*
CORPORATION	P

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [X] 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

B. Used Oil Fuel Activities

- [ ] 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.

- [X] A. First Notification
- [ ] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number

Draft

ID — For Official Use Only

C W | T/A | C

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

EPA Form 8700-12 (Rev. 11-85) Reverse

RECEIVED
APR 19 1990
HAZARDOUS WASTE PERMITTING

Draft

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.

Draft

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

PRINCIPAL INSPECTOR SIGNATURE

11/18/2011
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.

Draft

SITE 9

UNITED WHOLESALE

Draft

ECHO Enforcement and Compliance History Online

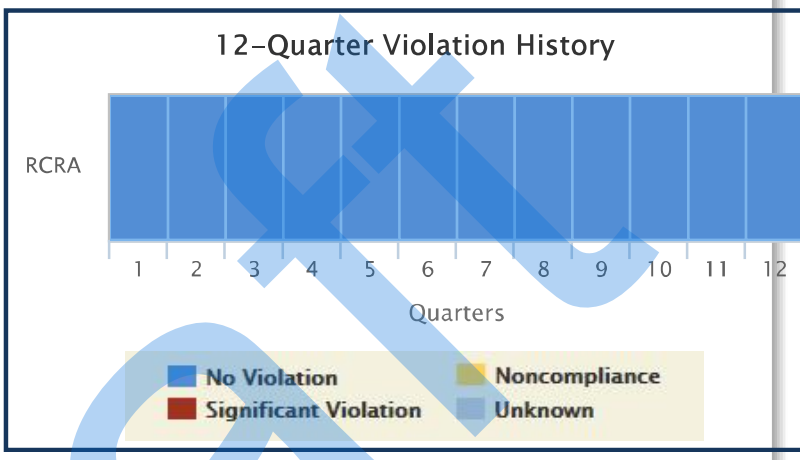
Detailed Facility Report

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

Draft

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)
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)

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	FLD982139628	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: 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)

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

Draft

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

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

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

Draft

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%)

Draft

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor | Dale Twachtmann, 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

Draft

5006 P02609

Please print or type with ELITE type *(12 characters per inch)* in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-88.
GSA No. 0246-EPA-OT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

4/24/90

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)*.

For Official Use Only

Comments

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)	
FLD982139628 T/A C			Broward OIL SC

I. Name of Installation

RYAN INCORPORATED EASTERN SHOP

II. Installation Mailing Address

Street or P.O. Box	City or Town	State	ZIP Code
786 SOUTH MILITARY TRAIL	DEERFIELD BEACH	FL	33442

III. Location of Installation

Street or Route Number	City or Town	State	ZIP Code
1071 S.W. 30th AVE	DEERFIELD BEACH	FL	33442

IV. Installation Contact

Name and Title *(last, first, and job title)*	Phone Number *(area code and number)*
STEWART JERRY (SAFETY DIRECTOR)	305 427 5599

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership *(enter code)*
CORPORATION	P

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [X] 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

B. Used Oil Fuel Activities

- [ ] 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.

- [X] A. First Notification
- [ ] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number

Draft

ID — For Official Use Only

C W | T/A | C

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

EPA Form 8700-12 (Rev. 11-85) Reverse

RECEIVED
APR 19 1990
HAZARDOUS WASTE PERMITTING

Draft

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.

Draft

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

PRINCIPAL INSPECTOR SIGNATURE

11/18/2011
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.

Draft

SITE 10

BROTHERS DRY CLEANING

Draft

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

Account Owner: Brothers Dry Cleaning Inc

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-

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).

Draft

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

March 2, 2000

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

Draft

new: 166726

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

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 Regulated Waste Activity

United States Environmental Protection Agency

RECEIVED
(For Official Use Only)
FEB 03 2000
HAZARD...

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

[X] A. First Notification [ ] B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number: FLR000063537

II. Name of Installation (Include company and specific site name)

ONE PRICE D/C

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: FL | ZIP Code: 33441-

County Code: 011 | County Name: ~~PALM BEACH~~ BROWARD COUNTY SE

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box: N26 21 21 / W80 07 44

City or Town | State | ZIP Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last): ALIPOUR | (first): KOUROSH

Job Title: OWNER | Phone Number (area code and number): 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): 954-481-1720

B. Land Type | C. Owner Type | D. Change of Owner Indicator: Yes [ ] No [✓] | (Date Changed) Month Day Year

Draft

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028 Expires 10-31-91
GSA No. 0246-EPA-OT

ID - For Official Use Only

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

1. Generator (See Instructions)
   - [ ] a. Greater than 1000kg/mo (2,200 lbs.)
   - [X] b. 100 to 1000 kg/mo (220 - 2,200 lbs.)
   - [ ] c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - [ ] a. For own waste only
   - [ ] b. For commercial purposes

   Mode of Transportation
   - [ ] 1. Air
   - [ ] 2. Rail
   - [ ] 3. Highway
   - [ ] 4. Water
   - [ ] 5. Other - specify
3. [ ] Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions.
4. Hazardous Waste Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketers
   - [ ] c. Burner - indicate device(s) - Type of Combustion Device
     - [ ] 1. Utility Boiler
     - [ ] 2. Industrial Boiler
     - [ ] 3. Industrial Furnace
5. [ ] Underground Injection Control

B. Used Oil Fuel Activities

1. Off-Specification Used Oil Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketer
   - [ ] c. Burner - indicate device(s) - Type of Combustion Device
     - [ ] 1. Utility Boiler
     - [ ] 2. Industrial Boiler
     - [ ] 3. Industrial Furnace
2. [ ] Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification

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))
[X]	[ ]	[ ]	[ ]	

B. 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
D001	D039				
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	Name and Official Title *(type or print)*	Date Signed
X Kourash AbiPour	X Kourash AbiPour owner	1/27/00

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.)

Draft

SITE 11

WALMART GLOBAL MEDIA

Draft

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,

FOR

Glen Perrigan
Environmental Manager
Hazardous Waste Regulation Section

ME ID: 108493 , Email Address: christopher.stewart@wal-mart.com

Draft

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 Submittal — Mark 'X' in correct box:

Received
APR 08 2013
DSHW

- [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 or Business Name: Walmart Neighborhood Market #3104

FEID No.: 7 1 0 8 6 2 1 1 9

3. Facility Operator (List additional Operators in the comments section).

Name of Operator: Wal-Mart Stores East, LP
[ ] New Operator
Date became Operator: 04 / 29 / 13 (mm dd yy)

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 (dd mm ss.ssss) **Longitude:** 80 07 54.122 (dd mm ss.ssss) **Method:** **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 (List additional real property owners in the comments section.)

Name of Real Property (Land) Owner: Wal-Mart Stores East, LP
[ ] New Owner
Date became Owner: 04 / 29 / 13 (mm dd yy)

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 _____

Draft

EPA ID No.

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**

Draft

	EPA ID No.

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 esitmate of the maximum amount (in pounds) of each type of UW on site or transported at any one time.
a. Batteries	☐	☐	☐	
b. Pesticides	☐	☐	☐	
c. Pharmaceuticals	☐	☐	☐	
d. Mercury Containing Devices	☐	☐	☐	
e. Mercury Containing Lamps	☒	☐	☐	27

(3) Mercury Recovery and/or Reclamation Facility ☐
[Chapter 62-737, F.A.C.]
Note: A hazardous waste permit is required for this activity. [Rule 62-737.800, 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 orginally 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

Draft

	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

Draft

SITE 12

TURNER ENVIROLOGIC AREA

Draft

BFD605 01000

BROWARD COUNTY
FLORIDA

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 0 5 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

Draft

Broward County Board of County Commissioners
Josephus Eggelletion, Jr. • Ben Graber • Sue Gunzburger • Kristin D. Jacobs • Ilene Lieberman • Lori Nance Parrish • John E. Rodstrom, Jr. • James A. Scott • Diana Wasserman-Rubin
www.broward.org/

FLORIDA DEPARMENT 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

Site Zoning:	**Total Acreage of Site:**	(attach site map, if available)
Industrial	4.7 Acres	Attached

# Buildings on Site:	**Approx. Sq. Footage:**	**Condition:** (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.

Draft

- **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.

Draft

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).

Draft

7. **Describe proposed funding sources for any site cleanup and current or past evidence of developer interest.**

The site is currently owned by Turner Envirlogic 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 the 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.

Draft

- **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 Envirologic. It is and will be owned by Turner Envirologic 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 Envirologic 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

Draft

150 N.E. Second Avenue Deerfield Beach, Florida 33441-3598 Telephone (954) 480-4200 Fax (954) 480-4268

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/fdepturnerenvirologic

Mayor
Albert R. Capellini, P.E.

Vice Mayor
Amadeo Trinchitella

Commissioners
Gwyndolen A. Clarke-Reed
Steve Gonot
Peggy Noland

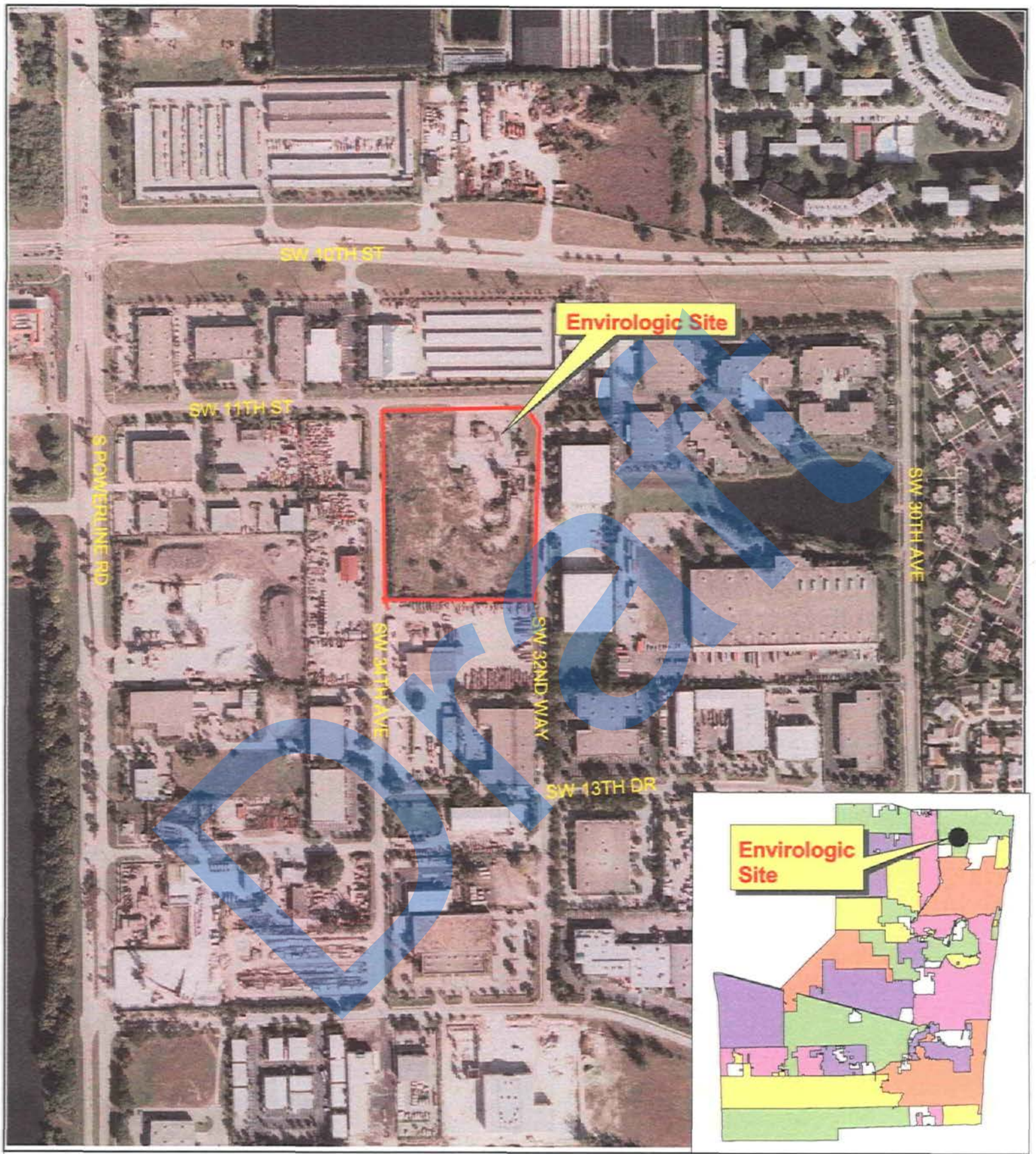
City Manager
Larry R. Deetjen

InternetCoast

Deerfield Beach 2001

Recycled Paper

Draft



Draft

BROWARD COUNTY FLORIDA

Broward County
Office of Urban Planning
and Redevelopment

N
W E
S

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.

Draft

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

10/28/03 — 10/28/03

Date — Date

Accepted by the State of Florida Department of Environmental Protection by the following authorized agent:

Witness — FDEP TBA Project Manager

Date — Date

Draft

FDEPWASTE CLEANUP Fax:850-245-8976

** Transmit Conf.Report **

P.1 Mar 8 2004 9:57

Fax/Phone Number	Mode	Start	Time	Page	Result	Note
619543578655	NORMAL	8, 9:57	0'50"	2	* O K	

Draft

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 Bradshaw

SITE 13

EAST COAST ASPHALT

Draft

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 #94148102008285362191 93
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."

Draft

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
ec: File

Note, this cover letter is for your records and should not be returned

Draft

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 21standard 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.

Draft

Draft

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.

Draft

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.

Draft

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.

Draft

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

Draft

_____ _____

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 Signature of Witness
Program Administrator
Petroleum Restoration Program

_____ _____ _____

Date Print Name Date

Attachments: Exhibit A- Legal description of the Property. FDEP Coordinates (Degrees^0 Minutes' Seconds") for Facility Id.#: 8944925

Latitude 26^0 18' 7.7076"
Longitude 80^0 8' 53.7900"

Draft

Draft

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 26 ^{0} 18’ 7.7076 “
Longitude 80^{0} 8’ 53.7900”

Draft

Draft

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.

Draft

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.

Draft

FREQUENTLY ASKED QUESTIONS FOR SITES SCORED 29 AND BELOW

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 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**.

Draft

Draft

ENVIRONMENTAL SITE ASSESSMENT UPDATE
MAY, 2000

EAST COAST ASPHALT PLANT II
3300 SW 11th St., DEERFIELD BEACH, FLORIDA

Draft

Prepared for :
Tom Kearns
East Coast Asphalt, Inc.

Prepared by:
H_2O Environmental, Inc.
1061 West Oakland Park Blvd.
Fort Lauderdale, Florida 33311
(954) 565-7650

TABLE OF CONTENTS

	Page
Introduction and Brief Site History	1
Current Extent of Soil and Groundwater Contamination	2
Current Regulatory Status and Potential for State-Funded Remediation	3
Site Remediation Cost Estimate	4
Impediments to Future Development and Land Use Due to Contamination.	6

LIST OF APPENDICES

Appendix A – Figures

Appendix B – Tables

Appendix C – Previous Reports

Draft

Introduction and Brief Site History

H_2O Environmental, Inc. (H_2O) 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.

Draft

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.

Draft

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.

Draft

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.

Draft

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 H_2O 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.

Draft

Impediments to Future Development and Land Use Due to Contamination.

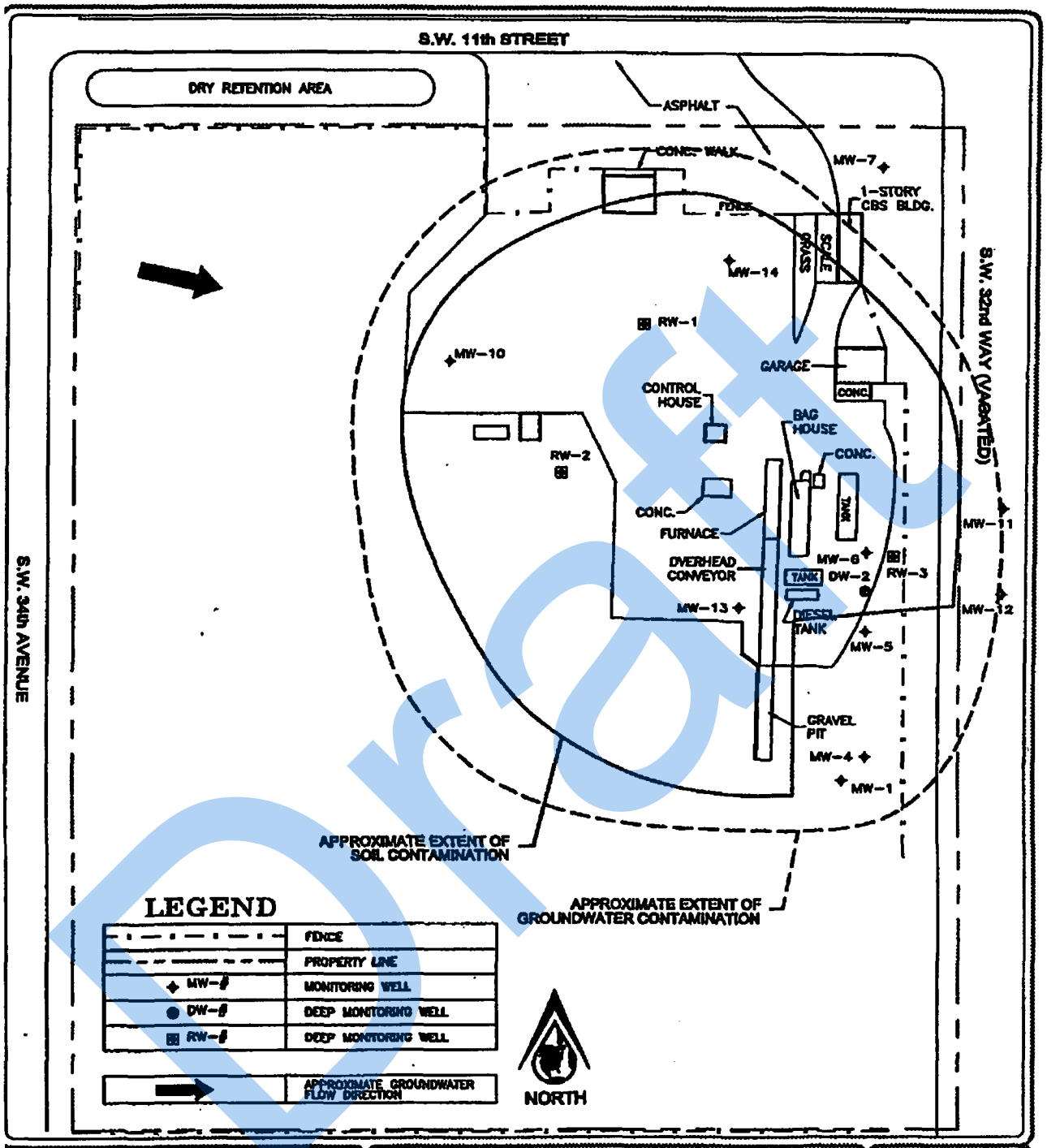
Contamination at the site is below the surface. There is no reason to suspect that by simply working on or near the property, one would be exposed to the contamination. There are no special considerations for worker safety unless, during future development, workers are required to excavate. Whenever 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.

Draft



SCALE: 0 80' 160'

H2 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

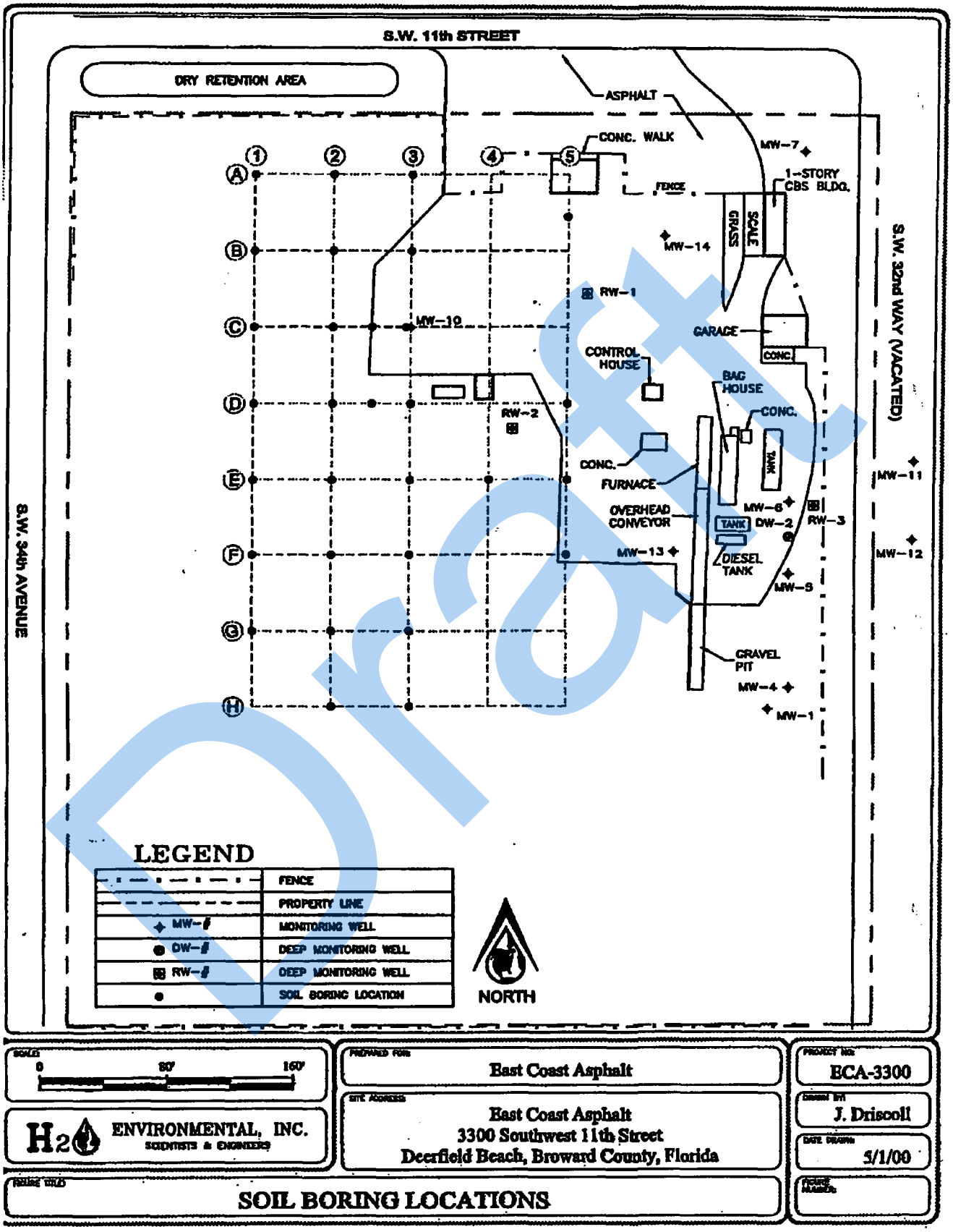
DRAWN BY: J. Driscoll

DATE DRAWN: 6/5/00

FIGURE NUMBER:

FIGURE TITLE: APPROXIMATE EXTENT OF SOIL AND GROUNDWATER CONTAMINATION

Draft



SCALE: 0 80' 160'

H2 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

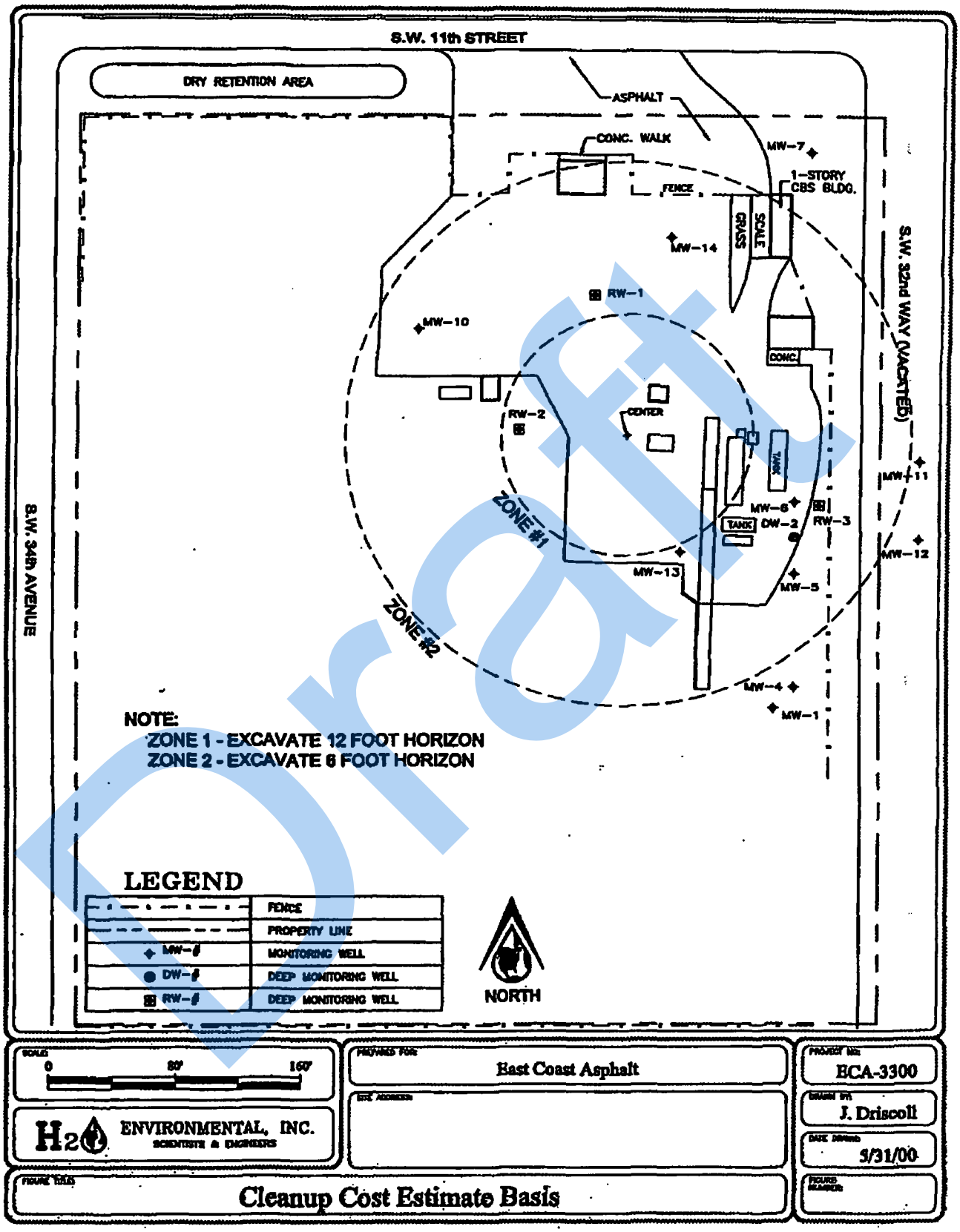
DRAWN BY: J. Driscoll

DATE DRAWN: 5/1/00

FIGURE NUMBER:

FIGURE TITLE: SOIL BORING LOCATIONS

Draft



SCALE: 0 80' 160'

H2 ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

PREPARED FOR: East Coast Asphalt

SITE ADDRESS:

PROJECT NO: ECA-3300

DRAWN BY: J. Driscoll

DATE DRAWN: 5/31/00

FIGURE NUMBER:

FIGURE TITLE: Cleanup Cost Estimate Basis

Draft

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

Draft

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
C2.5	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	16.0	1.2
		8'-10'	20.0	14.0	43.0
D2.5	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

Draft

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
A5 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	290.0
		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

Draft

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Draft

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:

H_2O ENVIRONMENTAL, INC.
1061 West Oakland Park Boulevard
Ft. Lauderdale, Florida 33311
(954) 565-7650

April 1997

Draft

TABLE OF CONTENTS

	Page
INTRODUCTION AND BACKGROUND	1
QUALITY ASSURANCE	1
WALK THROUGH	1
SOIL ASSESSMENT	2
MONITORING WELL INSTALLATION	3
GROUNDWATER SAMPLING AND ANALYSIS	3
HISTORICAL DATA - ADJACENT PROPERTY	4
ENVIRONMENTAL REMEDIATION SCENARIOS	4
CONCLUSION	5

APPENDICES

APPENDIX A	FIGURES
APPENDIX B	TABLES
APPENDIX C	WELL COMPLETION REPORTS
APPENDIX D	LABORATORY ANALYTICAL REPORTS

Draft

INTRODUCTION AND BACKGROUND

H_2O Environmental, Inc. (H_2O) 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 H_2O 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:

Draft

- 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 H_2O 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.

Draft

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 H_2O 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.

Draft

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

Draft

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.

Draft

APPENDIX A

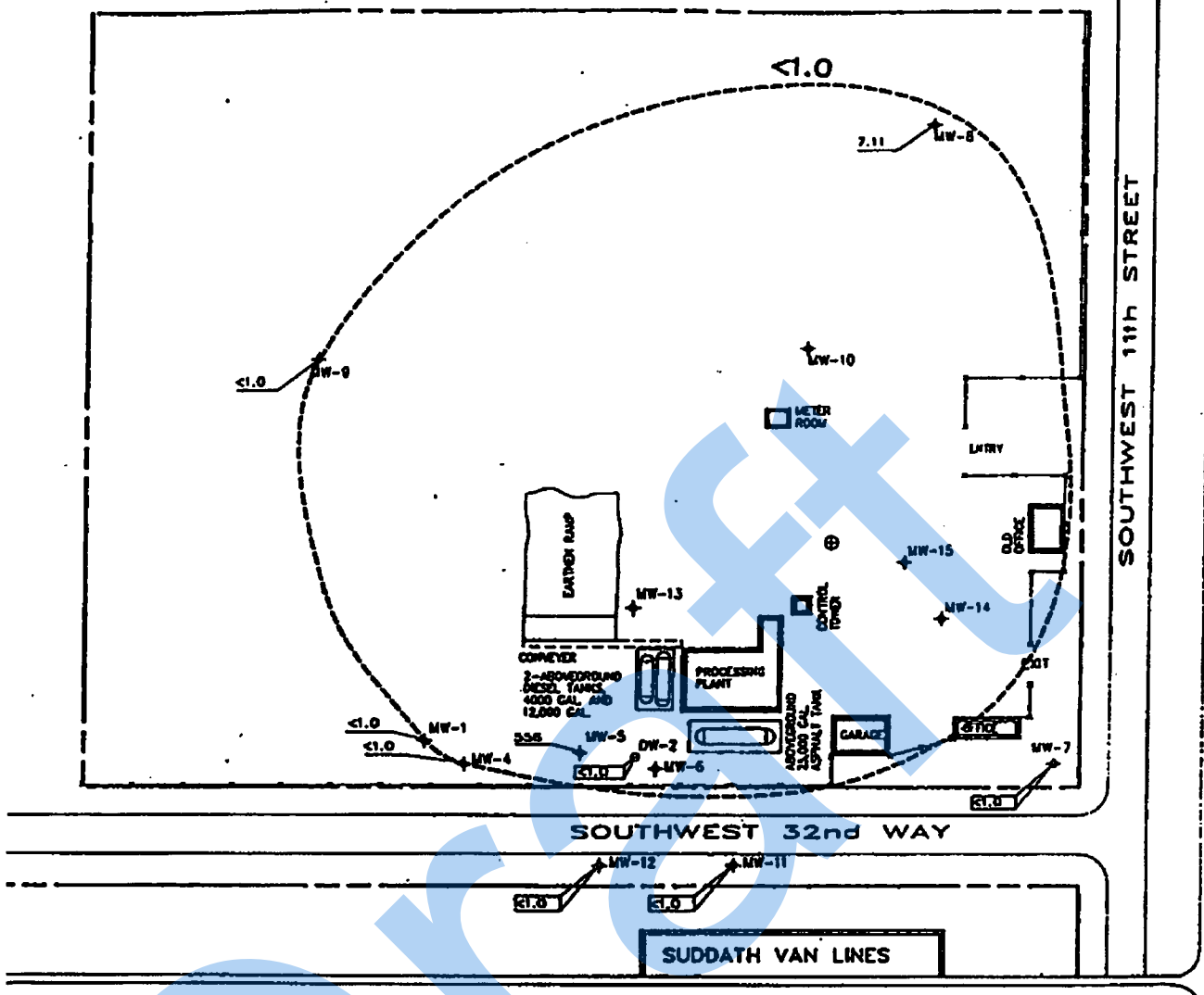
FIGURE 1 - PREVIOUSLY REPORTED IMPACTED AREA

FIGURE 2 - GROUNDWATER FLOW DIRECTION

FIGURE 3 - SOIL BORING LOCATIONS/OVA SUMMARY

FIGURE 4 - MONITORING WELL LOCATIONS

Draft



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

SCALE IN FEET

00 0 50 100 200

H_2O ENVIRONMENTAL, INC.
ASSESSMENT & REMEDIATION SPECIALISTS

PREPARED FOR:
EAST COAST ASPHALT

SITE ADDRESS:
3300 SOUTHWEST 11th STREET,
DEERFIELD BEACH,
BROWARD COUNTY, FLORIDA

NORTH

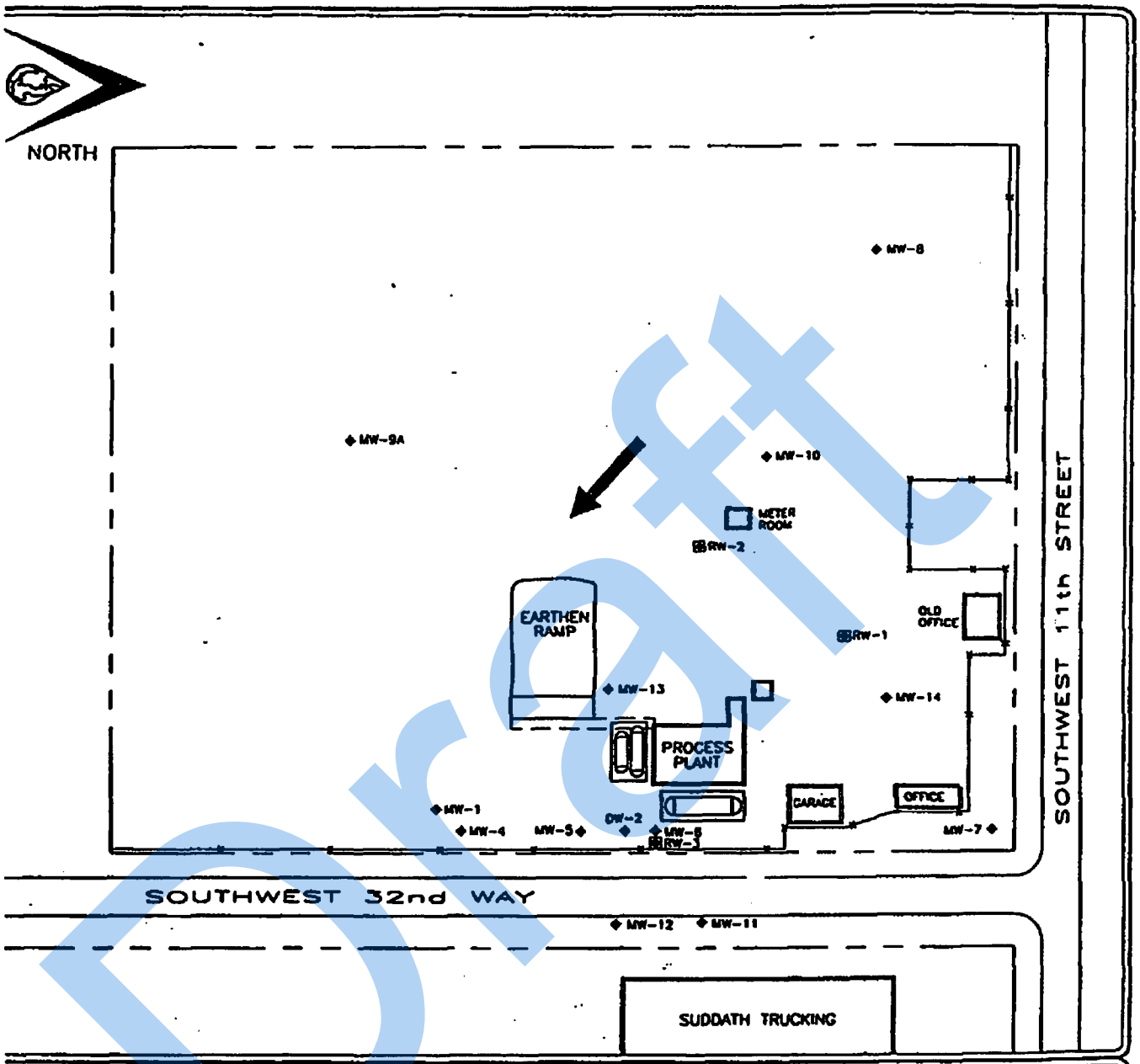
DATE DRAWN:
9/18/90

FIGURE TITLE: GROUNDWATER SAMPLING MAP

JOB NUMBER:
1089.0026

FIGURE NUMBER: 1

Draft



▸ MONITORING WELL

B RECOVERY WELL

ABOVE GROUND STORAGE TANKS

= GROUNDWATER FLOW

LE: 0 50' 100' 200'

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

PREPARED FOR: EAST COAST ASPHALT

SITE ADDRESS: 3300 SOUTHWEST 11th STREET, DEERFIELD BEACH, BROWARD COUNTY, FLORIDA

JOB NO.: 1089.0026

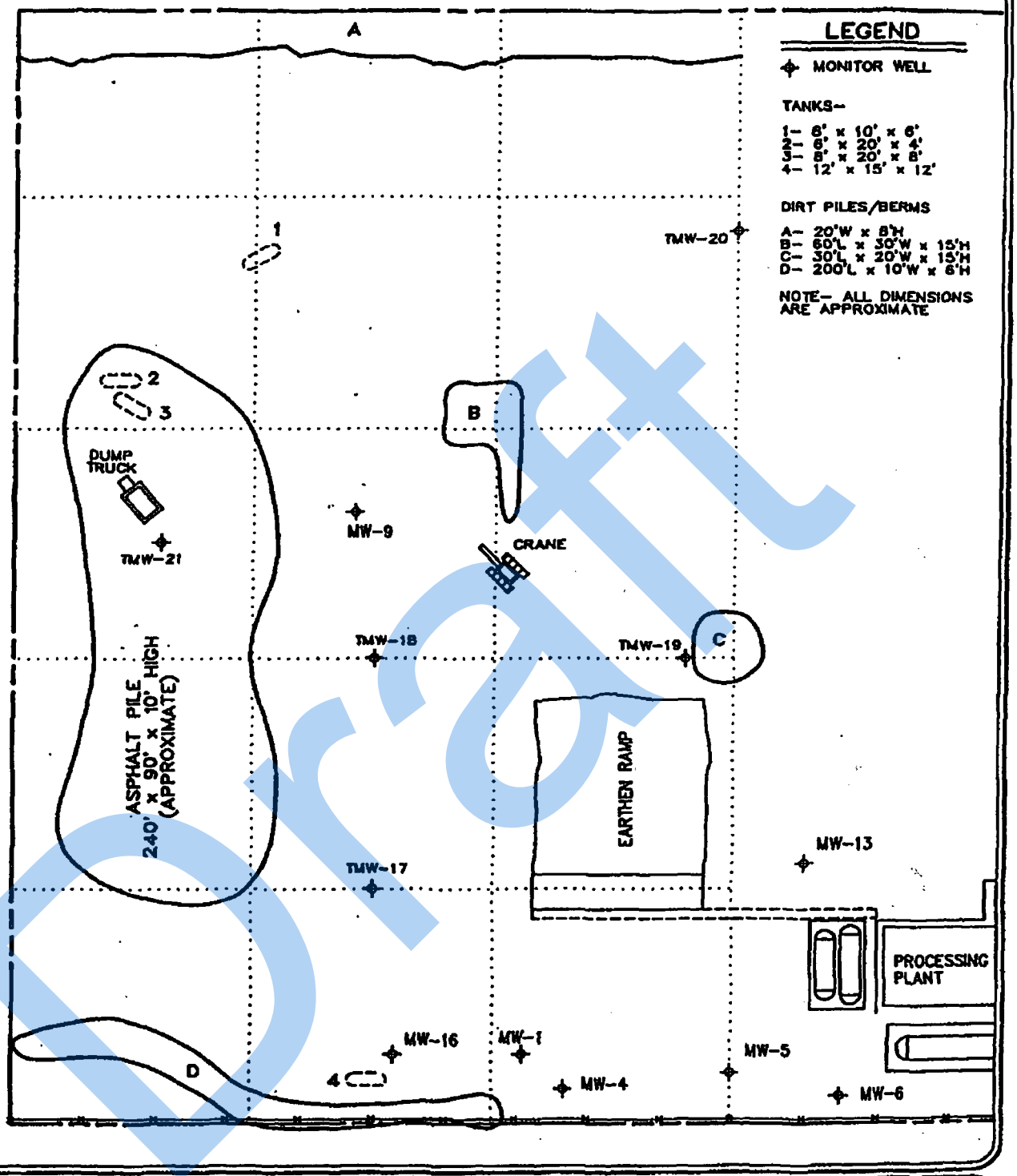
DRAWN BY: C.J.L.

DATE DRAWN: 3/1/95

URE TITLE: SITE MAP

FIGURE NUMBER: 2

Draft



Draft

GRAPHIC SCALE IN FEET
0 30 60 120

PREPARED FOR: PIONEER ROOFING TILE, INC.

SITE ADDRESS: 3300 SOUTHWEST 11th STREET, DEERFIELD BEACH, FLORIDA

NORTH

DRAWN BY: B.K.

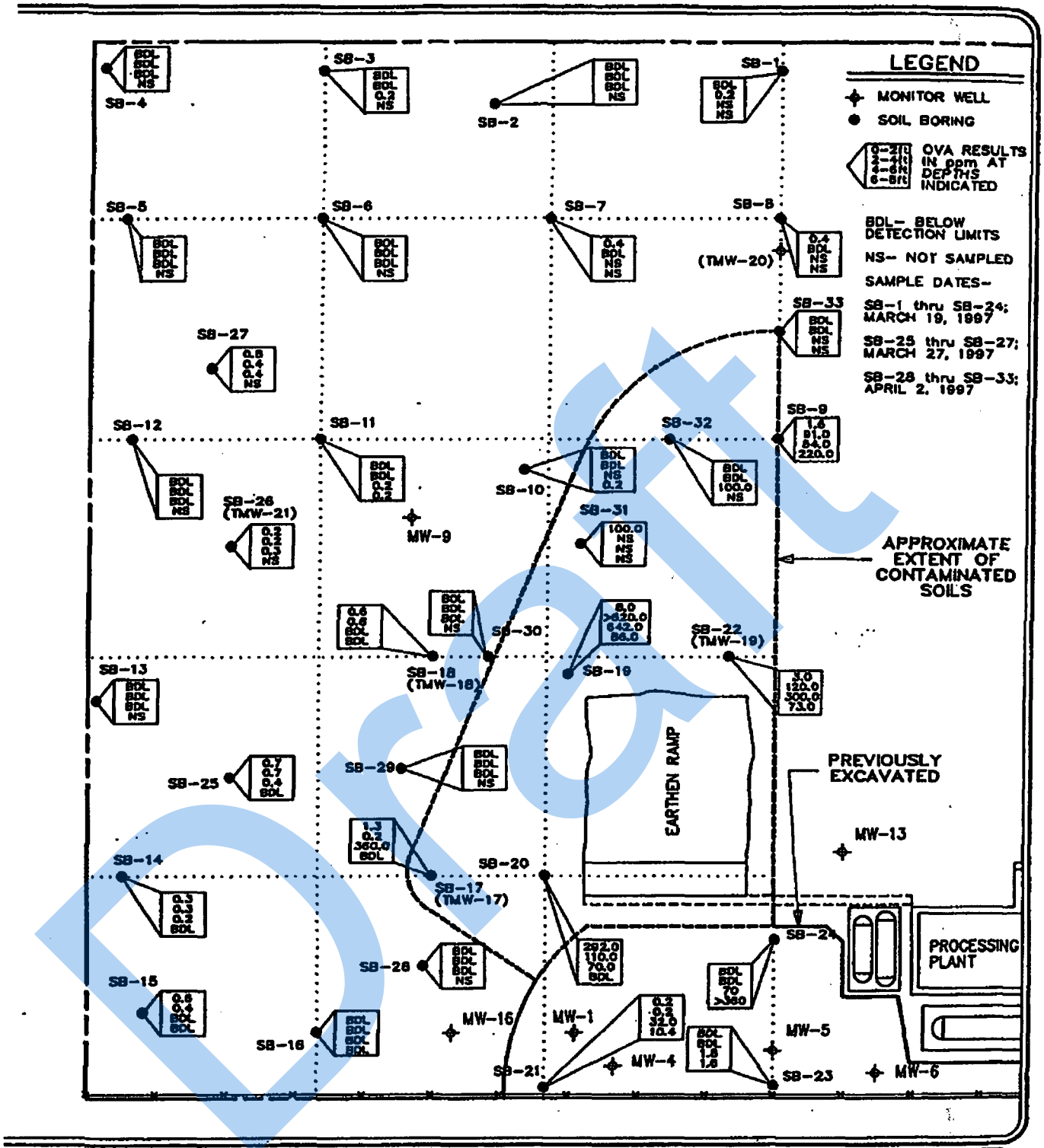
DATE DRAWN: 4/1/97

JOB NUMBER: 3447.1701

FIGURE NUMBER: 3

H2 ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

FIGURE TITLE: MONITORING WELL LOCATIONS



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

H2 ENVIRONMENTAL, INC. SCIENTISTS & ENGINEERS

FIGURE TITLE: SOIL BORING LOCATIONS/OVA SUMMARY

FIGURE NUMBER: 4

Draft

APPENDIX B

TABLE 1 - SOIL BORING OVA SCREENING SUMMARY

TABLE 2 - GROUNDWATER ANALYTICAL SUMMARY

Draft

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

Draft

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

Draft

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

Draft

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'	160.0	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.

Draft

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 ofall detected EPA Method 610 compounds.
BDL - below detection limit.
NA - Not applicable.
* FDEP Guidance Concentrations, June 1994

Draft

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 #:94148108987650045586l5

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

Draft

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

.

Draft

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 21standard 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.

Draft

Draft

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,

Draft

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.

Draft

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.

Draft

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

Draft

_____ _____

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 Signature of Witness

Program Administrator

Petroleum Restoration Program

_____ _____ _____

Date Print Name Date

Attachments: Exhibit A- Legal description of the Property. FDEP Coordinates (Degrees^0 Minutes' Seconds") for Facility Id.#: 8944925

Latitude 26^0 17' 33.0000"

Longitude 80^0 8' 45.0000"

Draft

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

Draft

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

Draft

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.

Draft

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

Draft

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

.

Draft

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 21standard 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.

Draft

Draft

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,

Draft

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.

Draft

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.

Draft

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

Draft

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 (Degrees^0 Minutes' Seconds") for Facility Id.#: 8944925

Latitude 26^0 17' 33.0000"
Longitude 80^0 8' 45.0000"

Draft

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

Draft

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

Draft

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.

Draft

SITE 14

KRAFT DANA JKG

Draft

ECHO Enforcement and Compliance History Online

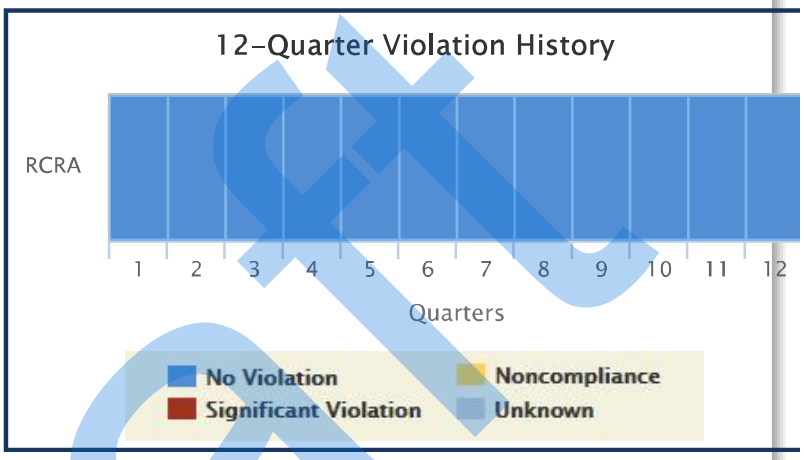
Detailed Facility Report

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

Draft

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
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)/HPV (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

Draft

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

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

Chemical Name
No data records returned

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

Draft

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%)

Draft

SITE 16

MAN-CON

Draft

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

Draft

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

Draft

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

Draft

SITE 17

CEN-DEER MANAGEMENT

Draft

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 (DPRI)
- ☐ 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

Draft

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.

Draft

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:

Draft

Environmental Protection and Growth Management Department
ENVIRONMENTAL AND CONSUMER PROTECTION DIVISION
One North University Drive, Suite A102, Plantation, Florida 33324
Phone: 954-519-1260 - Fax: 954-519-1494

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**

Renewal Application Due: ***April 01, 2019***

CONNIE BODEN, ENVIRONMENTAL PROGRAM SUPV.
Phone: 954-519-1405 - Email: cboden@broward.org
ENVIRONMENTAL AND CONSUMER PROTECTION DIVISION
www.broward.org/PollutionPrevention

(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.

Draft

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 CONDITIONS CONTINUED ON BACK

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.

Draft

Draft

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.

Draft

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,

Draft

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;

Draft

(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.

Draft

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) — Date: 11-23-11

Draft

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.

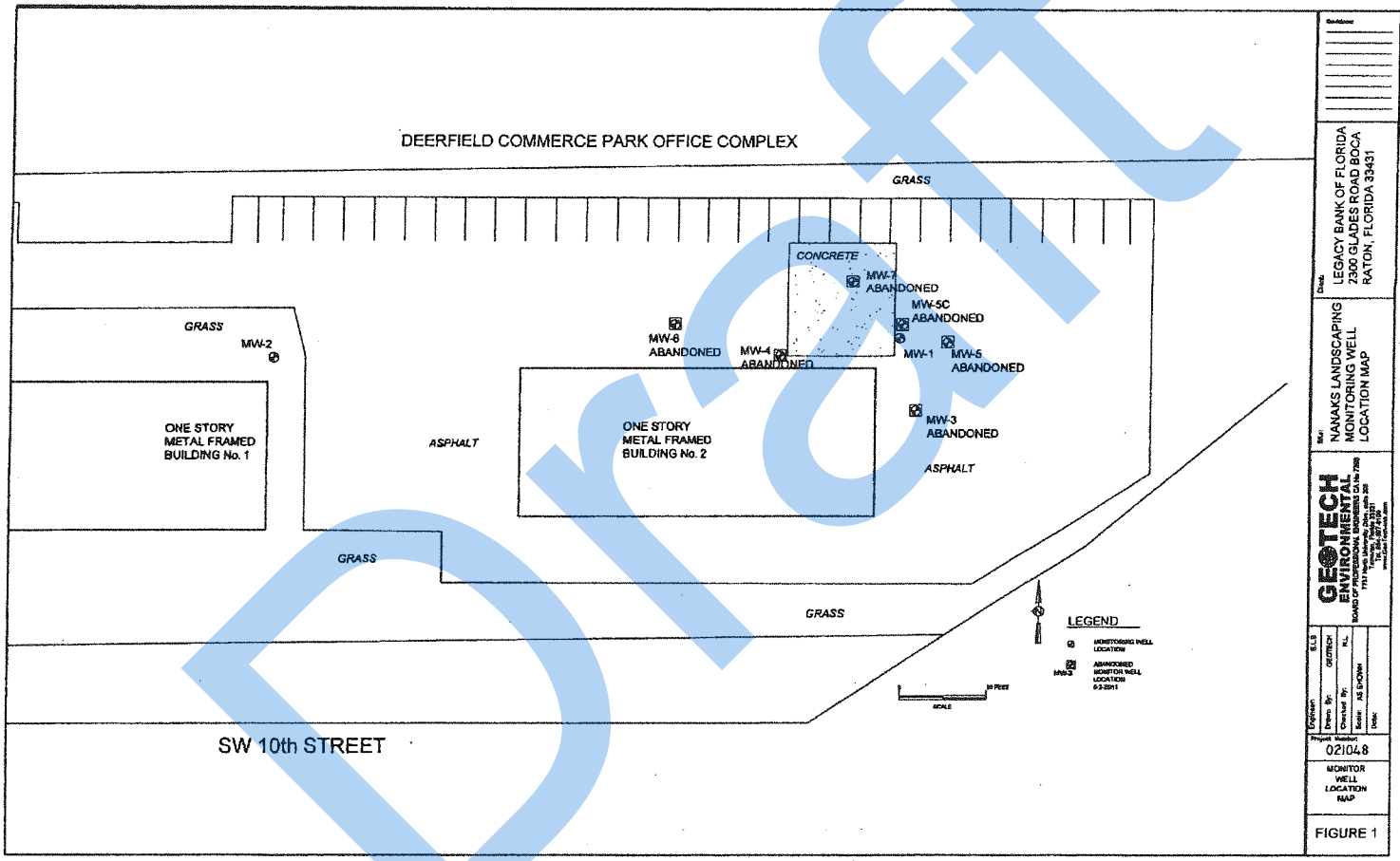
x I personally completed this review.

____ 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

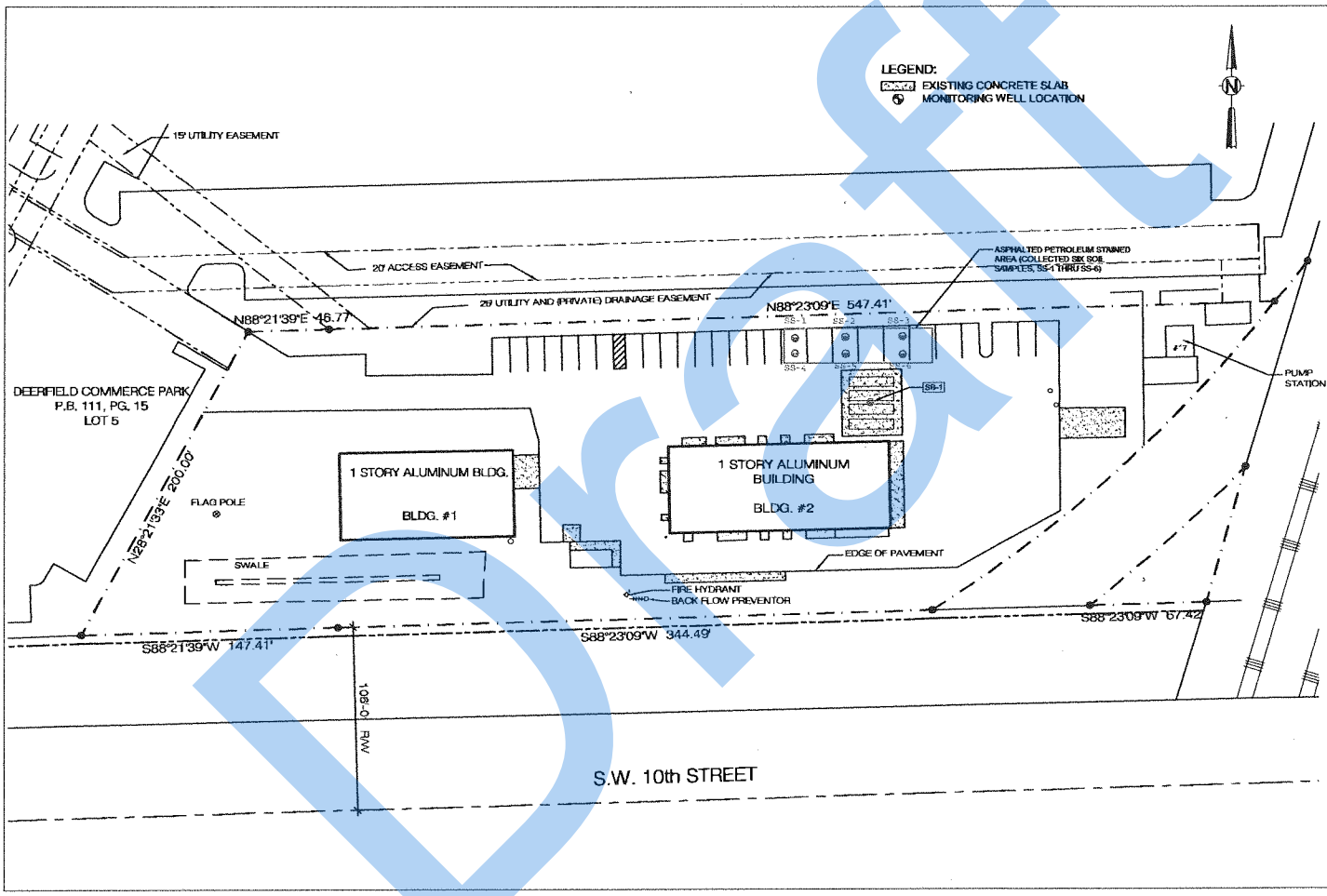
11/02/11
Date

Draft



FDEP FAC ID # 068840464

Draft



REVISIONS :

CLIENT :
FORMER TROLLEY TOURS, INC.
998 SOUTH MILITARY TRAIL
DEERFIELD BEACH, FLORIDA
(BROWARD COUNTY)

SHEET NAME :
SOIL BORING (SB-1) AND ASPHALTED AREA SOIL SAMPLING MAP

GEOTECH ENVIRONMENTAL
7737 North University Drive, suite 205
Tamarac, Florida 33321
Tel. 954-597-9100
www.GeoTechLiveLoan.com

ENGINEER: NW
DRAWN: CB
CHECKED: NL
SCALE: 1"=50'-0"
DATE:

PROJECT NO. 021037

DRAWING NO. FIGURE 3

SHEET
3 of 4

FDEP FAC ID # 068840464

Draft

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.

Sample					OVA	Laboratory Analyses							
Boring/ Well No.	Date Collected	Depth to Water (ft)	ID No.	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzene (mg/kg)	Ethyl-benzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPHs (mg/kg)	Lead (mg/kg)	Comments
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 I	NS	
SS-6	10/6/2010	N/A	392725-003	1.0	N/A	NS	NS	NS	NS	NS	5.05 I	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 Commericial/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

Draft

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	Naph-thalene	1-Methyl-naph-thalene	2-Methyl-naph-thalene	Acen-aph-thene	Acen-aph-thylene	Anthra-cene	Benzo (g,h,i) pery-	Fluoran-thene	Fluor-ene	Phenan-threne	Pyrene	Benzo (a) pyrene	Benzo (a) anthra-	Benzo (b) fluoran-	Benzo (k) fluoran-	Chry-sene	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].

Draft

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].

Draft

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.**

Sample					OVA	Laboratory Analyses								
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	ID No.	Net OVA Reading (ppm)	Benzo (a) pyrene (mg/kg)	Benzo (a) anthra-cene (mg/kg)	Benzo (b) fluoran-thene (mg/kg)	Benzo (k) fluoran-thene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthra-cene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)	Comments
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].

Draft

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											
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	ID No.	Net OVA Reading (ppm)	Naph-thalene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)	Acen-aph-thene (mg/kg)	Acen-aph-thylene (mg/kg)	Anthra-cene (mg/kg)	Benzo (g,h,i) pery-lene (mg/kg)	Fluoran-thene (mg/kg)	Fluor-ene (mg/kg)	Phenan-threne (mg/kg)	Pyrene (mg/kg)	Comments
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.
NS = Not Sampled.
U = 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].

Draft

SITE 18

CACHE CLEANERS

Draft

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**

Draft

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 ☑ 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):

Perchloroethylene (PCE, PERC): ☐	Petroleum (DF2000, Mineral Spirits, Stoddard Solvent): ☐
Greenearth: ☐	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

***** RETAIN A COPY FOR YOUR RECORDS *****

Draft

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

Draft

SITE 19

DB – CITY WELL 17

Draft

1310 Cross Creek Circle
Tallahassee, FL 32301

Facility Area Report and Maps

Site Name	DEERFIELD BEACH CITY-WELL #17	**Facility_ID**	8622498	**County**	
Address	994 S MILITARY TRL	**Operator**	DEERFIELD BEACH,CITY		BROWARD
City	DEERFIELD BEACH	**ZIP5**	33442		

Site Status	OPEN	**Number_discharges**	1	**Latitude**	26.3052031
Facility Type:	Local Government	**Facilty Cleanup Status**	COMPLETED	**Longitude**	-80.126485

Score 74

Reports

Recent PCB Report	Recent Site Assessment Report	Recent Remedial Action Plan	Recent Remedial Action Report	Recent Source Removal Report
	1/16/2007			

Neighborhood Parcels **

Dept of Revenue County No	Parcel Number	Land Use Code	DOR Code Description	Number of Buildings	Owner	Address	ADDR2	City	State	Zip	Legal Description
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

Draft

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	CONSHOHOCKEN PA 19428	0	DEERFIELD COMMERCE PARK 111-15

Draft

* 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

719557.77

939430.52

945237.47

484202150010

484202080050

484202000237

8622498

715617.04

Scale 1:5000

Map Units: Feet

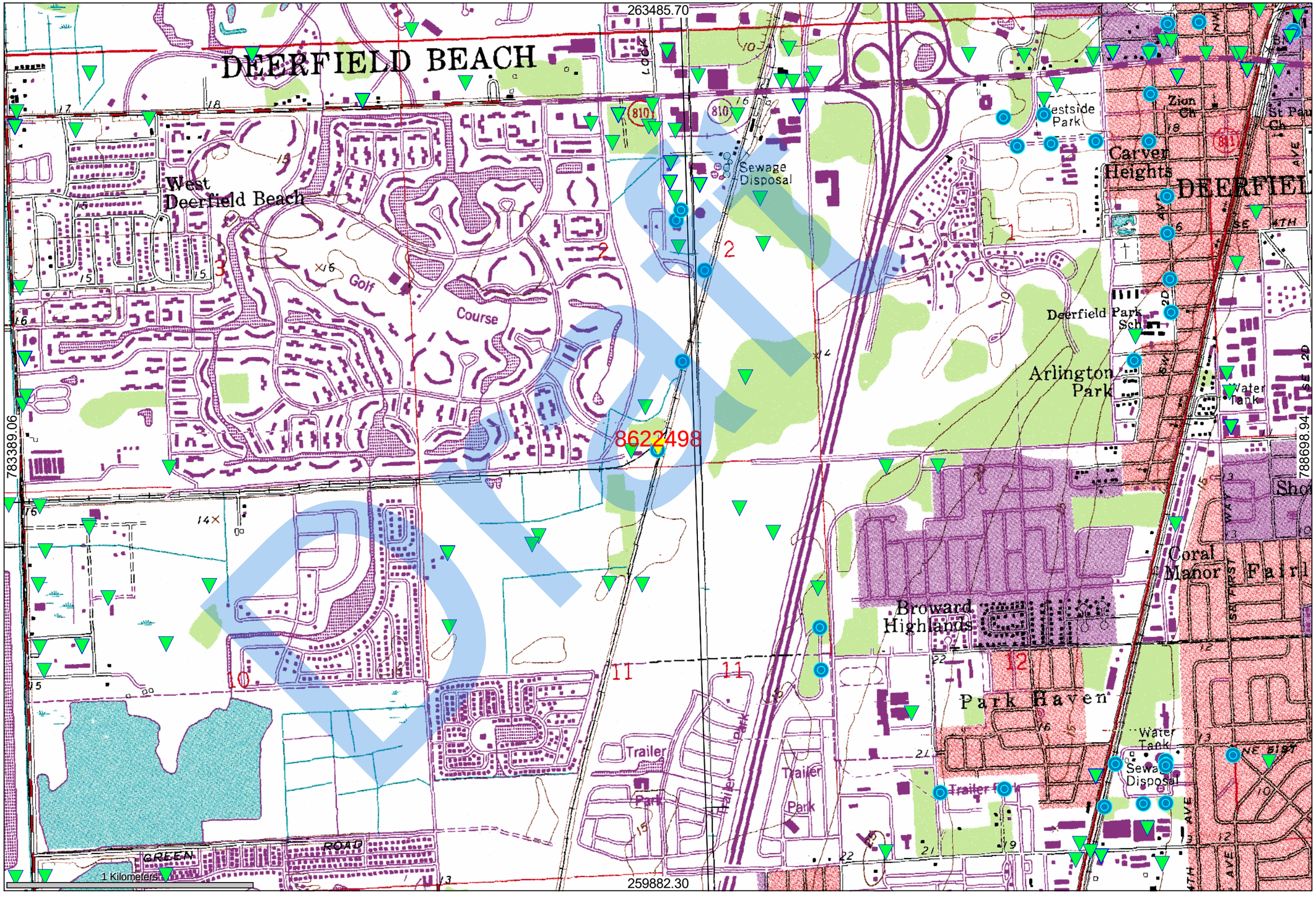
Date: 1/23/2008

View 1

stcmfacs.shp

wells.shp

quads.shp



Scale 1:15000

Map Units: Meters

Date: 1/23/2008

Address

+26° 18' 18.73", -80° 7' 35.35"

Draft

Address

+26° 18' 18.73", -80° 7' 35.35"

Draft

Department of Environmental Regulation

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:
998 Military Trail
Deerfield Beach, FL

(Make corrections to name and addresses here)

1. Facility/Addressee name: _____

Facility address: _____

Mailing address: _____

Use this form to comply with the following requirements of the Stationary Tank Rule Chapter 17-61, Florida Administrative Code.

1. Each owner or operator shall register the following with the department.
   a. All existing facilities by December 31, 1984. (Questions 1-19)
   b. 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)
   c. 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)
2. Each owner or operator shall notify the department of the following.
   a. All storage systems within 10 days of abandonment. (Questions 1-12, 18, 20)
   b. 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.)
   c. Retrofitting within 10 days of completion. (Questions 1-19)
3. 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): 0684722498 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

Draft

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

Tank contents are:

A. leaded gasoline.
B. unleaded gasoline.
C. Alcohol enriched gasoline.
D. diesel fuel.
E. aviation fuel.
Z. other.

List 17U
UNDERground Tanks

Underground tank:

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.

List 17A
ABOVEground Tanks

Aboveground tank:

O. has overfill protection.
P. is surrounded by impervious dike.
Q. is surrounded by earth dike.
R. rests on an inpervious 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 materals.
W. is supported above the soil.
Z. is or has none of the above.

List 18

Integral Piping System has:

A. no parts in contact with the soil.

Parts contacting the soil which are:

B. unprotected metal.
C. built of corrosion resistant materials.
D. corroson resistant coated.
E. cathodically protected.
F. double-walled.
G. within a secondary containment.
H. interior lined.
M. none of the above.

List 19

Monitoring system is:

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.

List 20

Tank disposal method.

A. Filling.
B. Removal.
C. Retrofitting.
F. Other.

Draft

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

Draft

DATA ENTERED
AUG 25 1993
BY

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form No. 17-761.900(2)
Form Title: Storage Tank Registration Form
Effective Date: December 12, 1989
DER Application No.
Filled in by DER

Storage Tank Registration Form

93 AUG 25 AM 10:37
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 48S 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*

DPR# Department of Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

LLOYD NEWMAN, CHIEF OPERATOR — Lloyd W. Newman — 8-25-93
Print name & title of owner or authorized person — Signature — Date

Draft

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	E BG	E BMEJ	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 ~~600~~	~~XX/78~~ 1988	H	A	CPK	E A	C	U			

06/8622499 DEERFIELD BCH,CITY-WELL #18
458 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	650 ~~600~~	~~XX/78~~ 1988	H	A	CPK	E A	C	U			

Draft

RECEIVED
DEP
93 APR -7 PM 3:31
STORAGE TANK
REGULATION

SITE 20

REXALL SUNDOWN

Draft

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: 9803298
County: BROWARD
Inspection Date: 07/25/2017
Facility Type: C - Fuel user/Non-retail
Facility Name: REXALL SUNDOWN
1111 SW 30TH AVE
DEERFIELD BEACH, FL 33442
# of Inspected ASTs: 1
USTs: 0
Mineral Acid Tanks: 0
Latitude: 26° 18' 2.266"
Longitude: 80° 8' 41.7574"
LL Method: DGPS

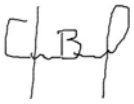
Inspection Result:

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@nbty.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

Draft

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 Responsiblity	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

Draft

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

Draft

Facility ID: 9803298

Added Date 07/25/2017

annunciator

Added Date 07/25/2017

kohler

Draft

SITE 21

HANSON ROOF TILE

Draft

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 Statues, 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

Draft

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

Draft

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.

Draft

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 403.1110and 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.

Draft

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: 26º 17' 59.61" 80º 8' 54.71" Method: AGPS
Sewage: POTW

Wellfield

Wellfield Name	Zone
NA	NA

Work Performed

- [ ] Pollution Prevention (P2)
- [x] Hazardous Materials Inspection (HM)
- [ ] Hazardous Materials Re-Inspection (HMR)
- [ ] Discharge Prevention and Response (DPRI)
- [ ] Installation Inspection (TIN)
- [ ] SQG Compliance Assistance Visit (CAV)
- [ ] Other Type: ***Hazardous Material***
- [ ] Compliance Insp. Complaint Received (TCP
- [ ] Compliance Inspection (TCI)
- [ ] Compliance Re-Inspection (TCR)
- [ ] Compliance Inspection DRF Received (TCDI)
- [ ] Discharge Evaluation - Short Form (TDI)
- [ ] Closure Inspection (TXI)
- [ ] Closure Inspection - All Tanks Closed (TXIF)
- [ ] 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

Draft

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

Draft

Distributed Informational Brochures, if Any:--Request for Status Change

Draft

Environmental Protection and Growth Management Department
POLLUTION PREVENTION DIVISION
1 North University Drive, Suite 102, Plantation, Florida 33324
Phone: 954-519-1260 - Fax: 954-519-1494

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**

Renewal Application Due: ***December 30, 2018***

NORRIS B. TAYLOR, NATURAL RESOURCES SPECIALIST
Phone: 954-519-1457 - Email: nbtaylor@broward.org
POLLUTION PREVENTION DIVISION
www.broward.org/PollutionPrevention

(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.

Draft

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,

FOR

Glen Perrigan
Environmental Manager
Hazardous Waste Regulation Section

ME ID: 11342 , Email Address: timothy.leboeuf@hanson.com

Draft

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 — 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?

RECEIVED MAR 27 2013 SWM

2. Facility or Business Name: Hanson Roof Tile, Inc. - Deerfield Beach

FEID No.: 74251353 54

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 (dd mm ss.ssss) Longitude: 80 08 56.82 (dd mm ss.ssss) Method: Google Earth Datum:

5. Facility North American Industry Classification System (NAICS) Code(s)

A.	B.
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 _____

Draft

	EPA ID No.	FLD984175216

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**

Draft

EPA ID No. FLD984175216

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 esitmate of the maximum amount (in pounds) of each type of UW on site or transported at any one time.
a. Batteries	☐	☐	☐	
b. Pesticides	☐	☐	☐	
c. Pharmaceuticals	☐	☐	☐	
d. Mercury Containing Devices	☐	☐	☐	
e. Mercury Containing Lamps	☐	☐	☐	

(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 orginally 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

Draft

	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

Draft

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).

Draft

SITE 23

CENTURY VILLAGE GOLF COURSE

Draft

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

Draft

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

Draft

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

Draft

- 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

Draft

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. November 1, 2018
Engineering Unit Supervisor
Broward County Environmental Assessment and Remediation Section
1 North University Drive, Mailbox 201
Plantation, Florida 33324

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')

Draft

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.

Draft

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,

Draft

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.

Draft

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

Draft

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

Draft

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

Draft

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:

Draft

- 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

Draft

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

Draft

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.

Draft

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

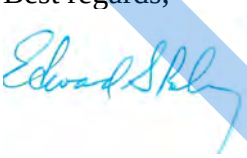
Surface water at the Subject property is not significantly impacted by arsenic and does not present an exposure concern to residents and may be used for irrigation purposes with the approval of Broward County, FDEP, and the SFWMD.

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

Draft

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

EDWARD GERARD RAHRIG LICENSE No. 1237 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

Draft

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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

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

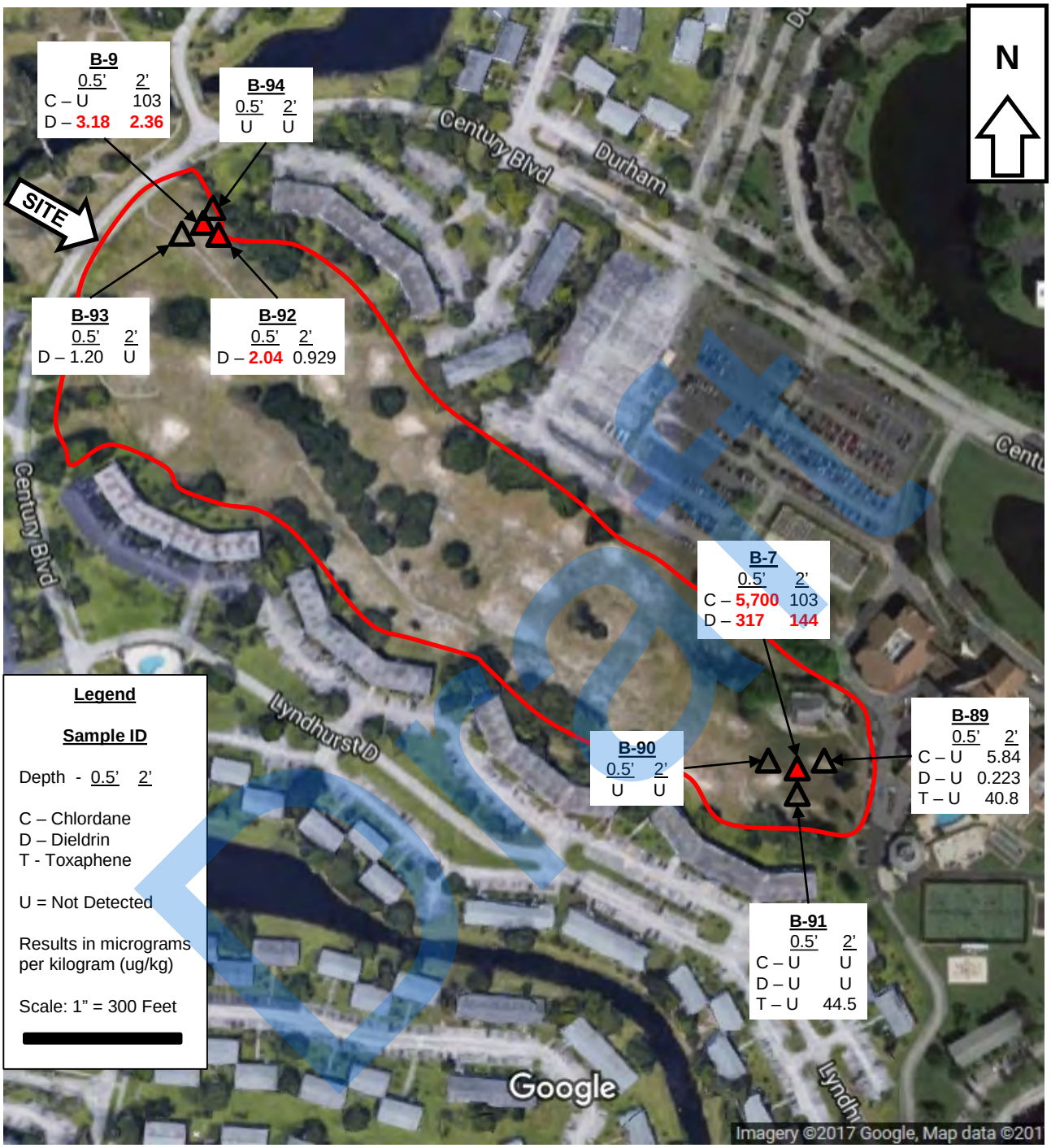
Subject Property Boundary Map

Drawn By	Date:	Figure No.:
ER	November 1, 2018	1b
	Job No.: 62102.07	

LEGEND

Approximate Property Boundary

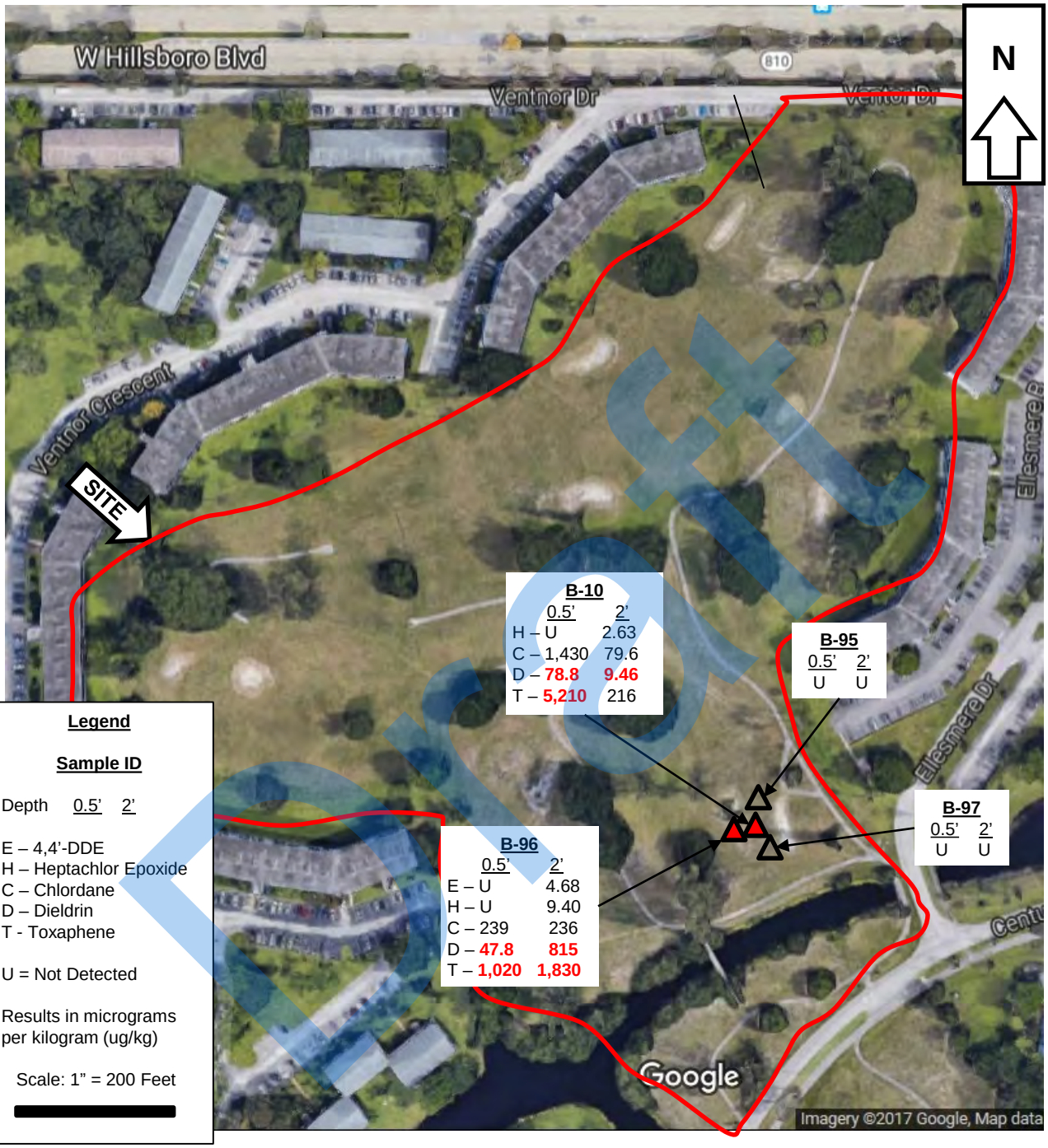
Scale: 1” = 500 Feet



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report Addendum
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

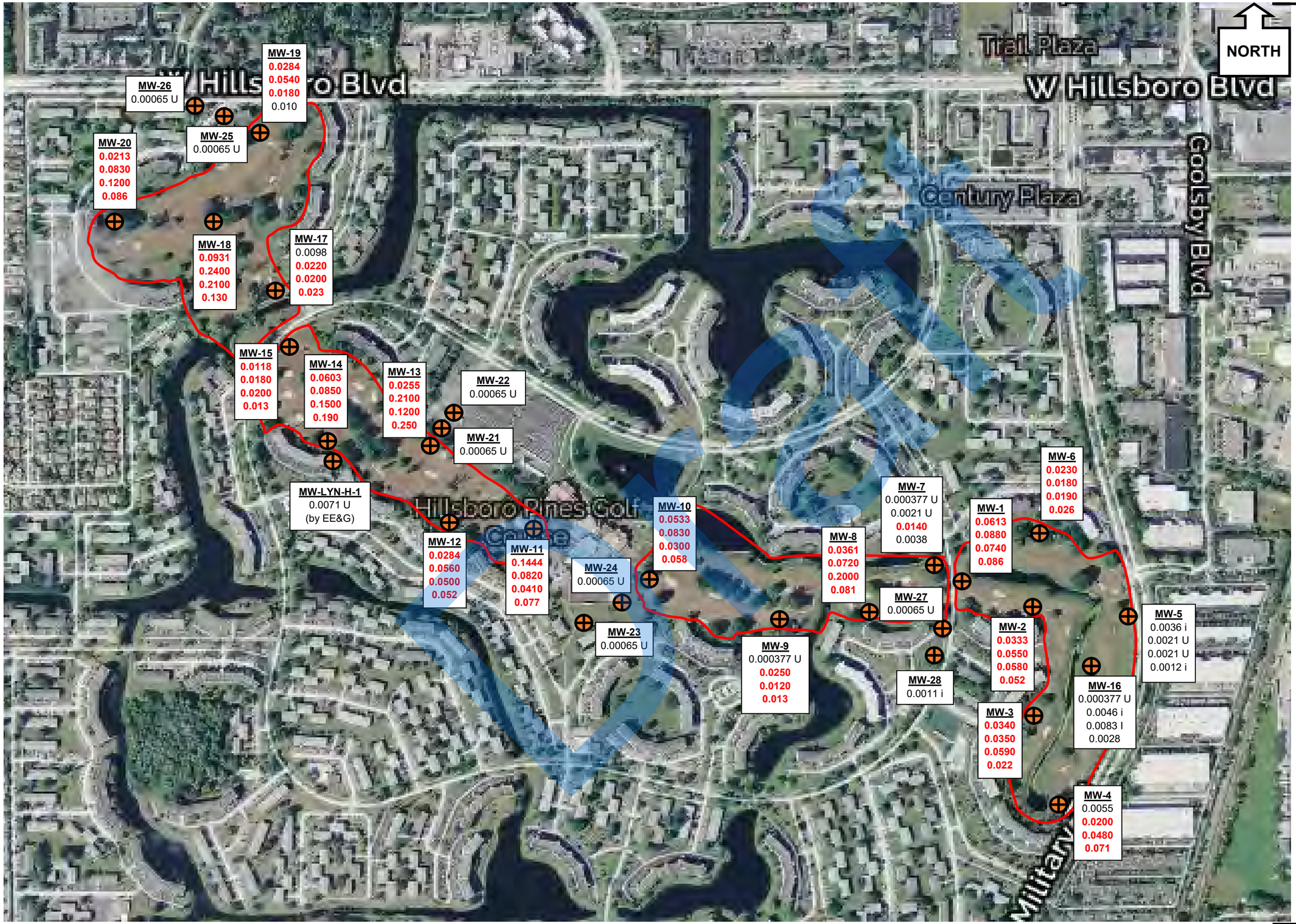
Organochlorine Pesticide Soil Analytical Results (ug/kg)	Drawn By: ER	Date: November 1, 2018	Figure No.: 2
		Job No.: 62102.07	



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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	Figure No.: 3
		Job No.: 62102.07	



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)

Figure No.:	4
Date:	November 1, 2018
Job No.:	62102.07
Drawn By	ER

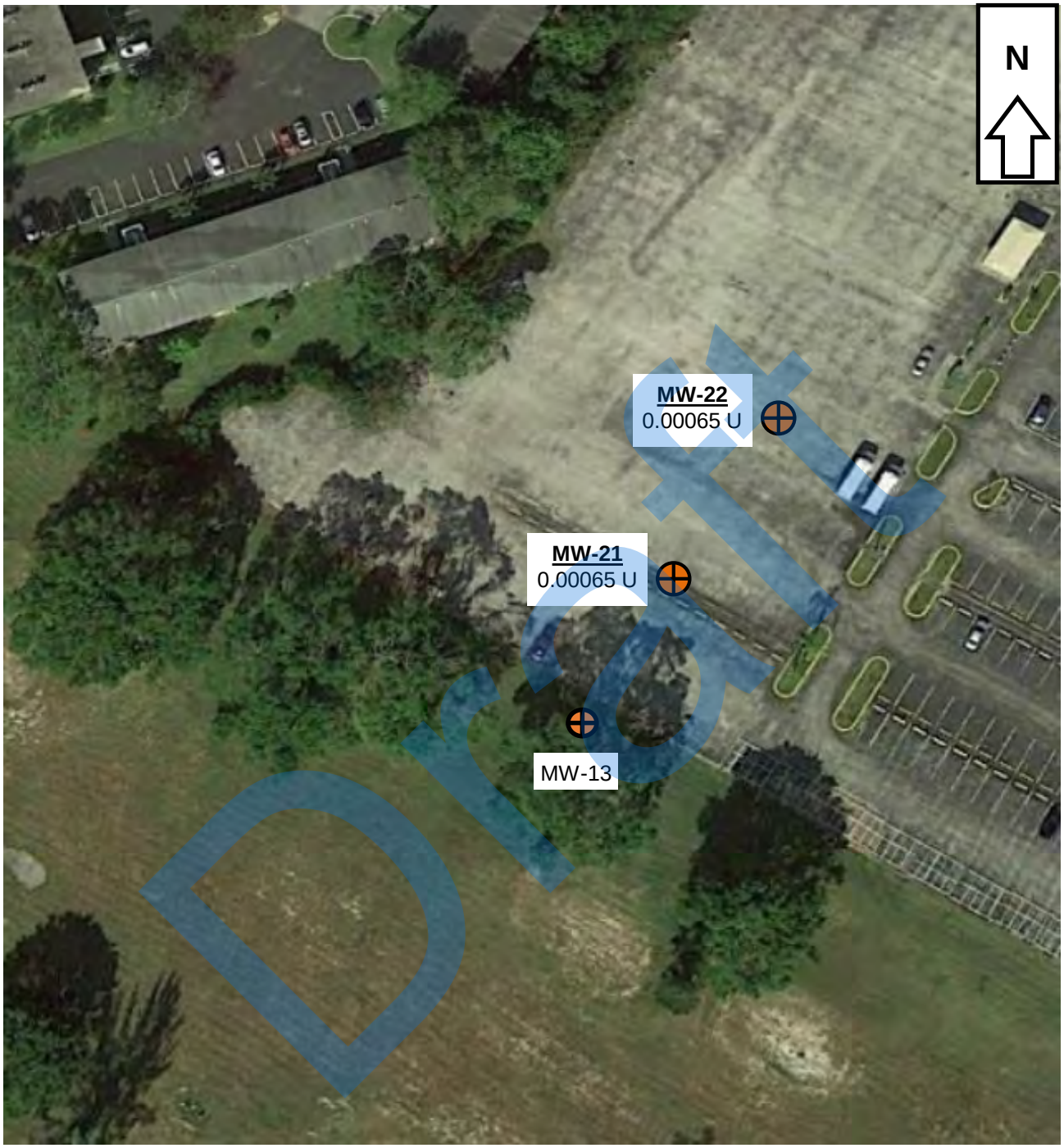
LEGEND

⊕ 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

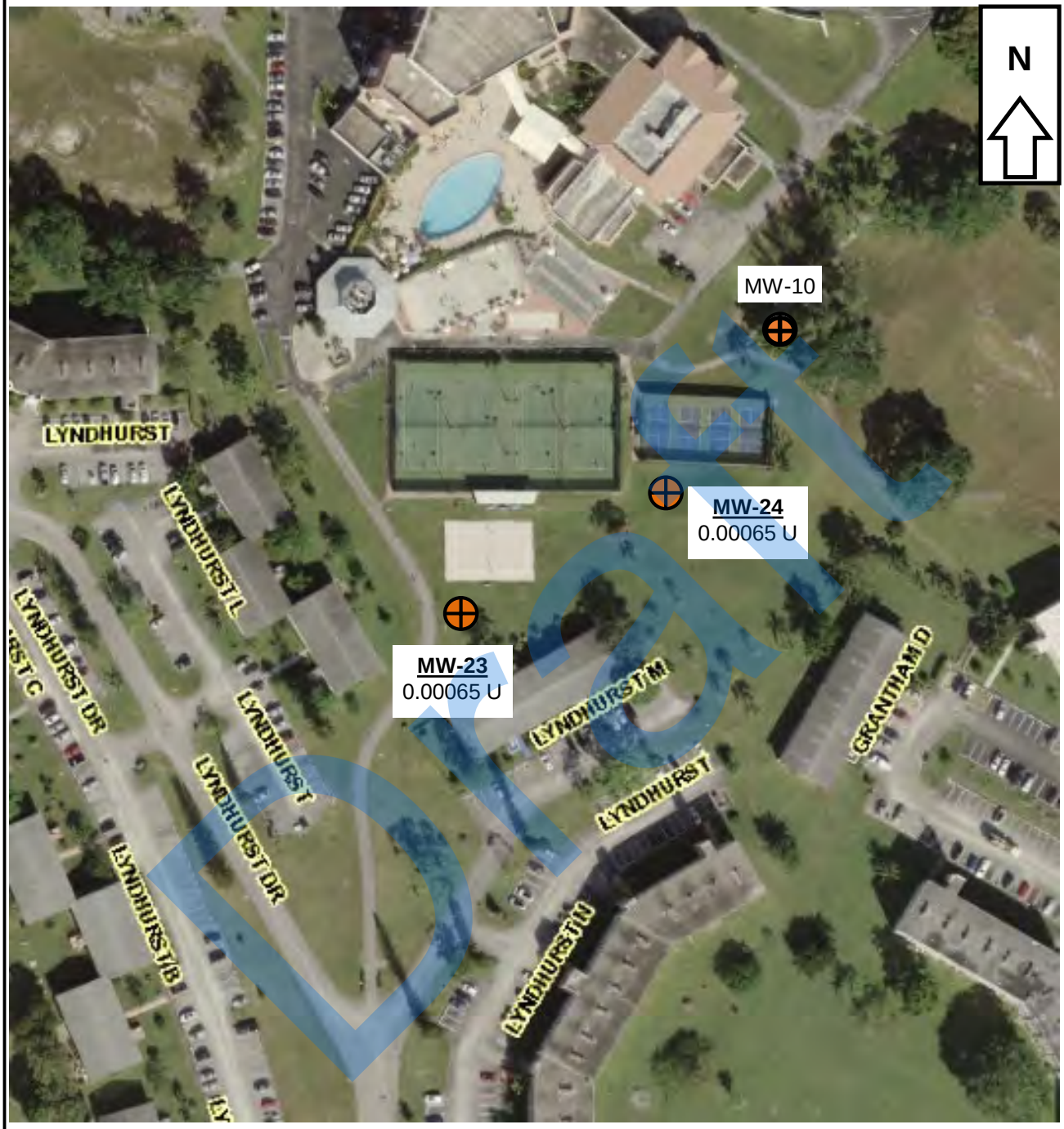
Scale: 1” = 500 Feet



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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 Job No.: 62102.07	Figure No.: 4a



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

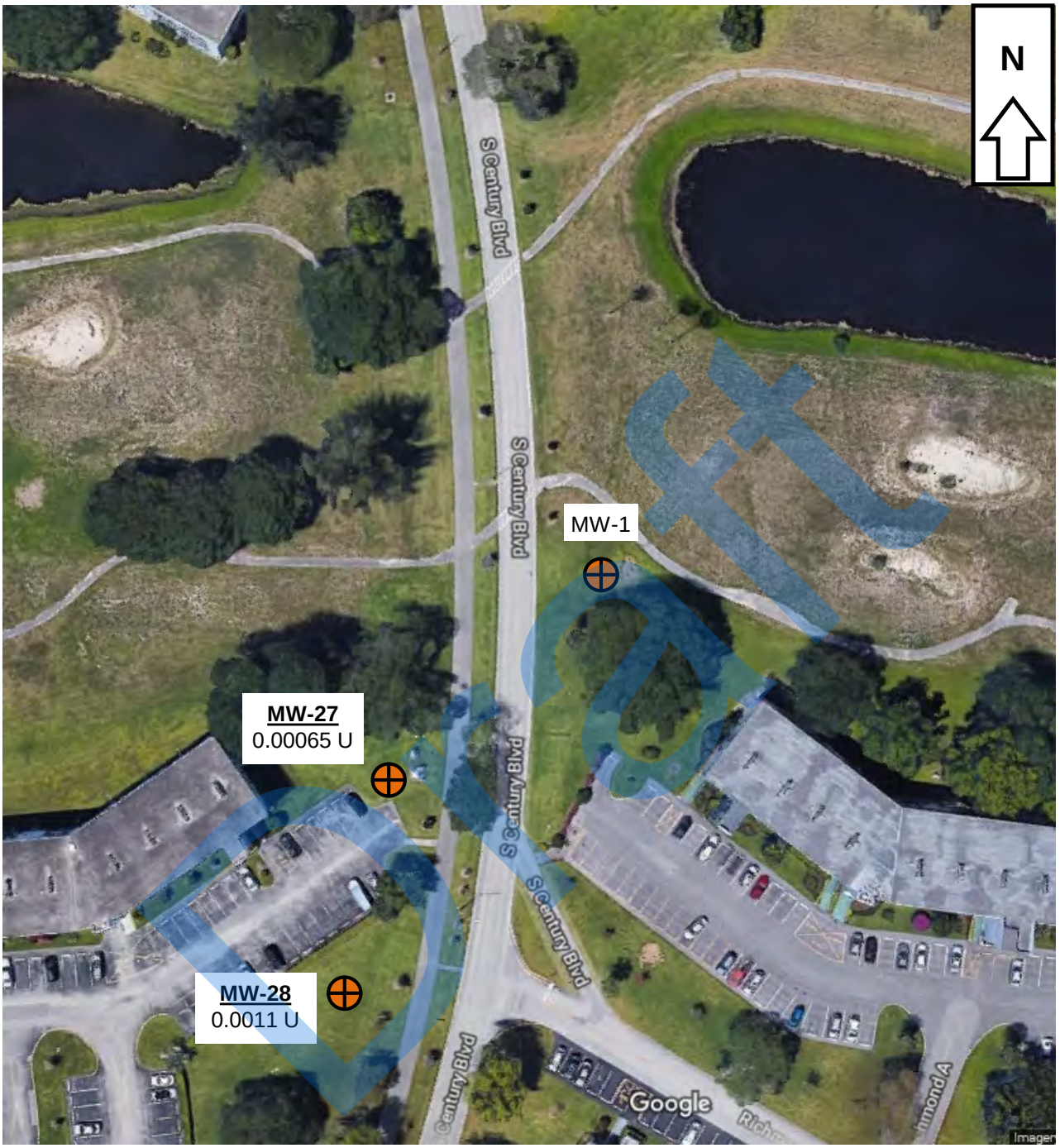
Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

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

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

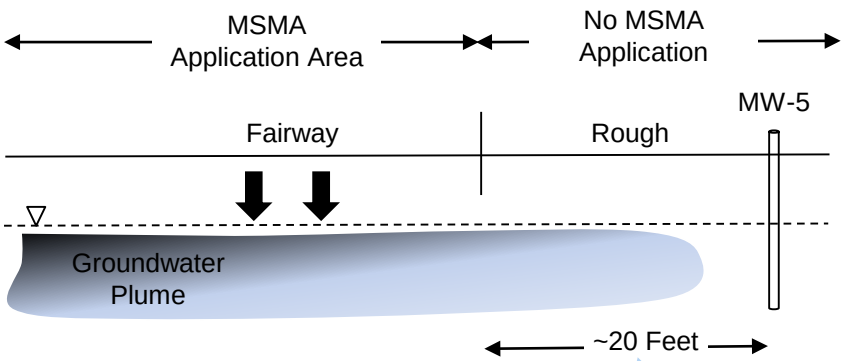
Near Offsite Well Locations for MW-19 Scale: 1" = 90 Feet	Drawn By ER	Date: November 1, 2018 Job No.: 62102.07	Figure No.: 4c

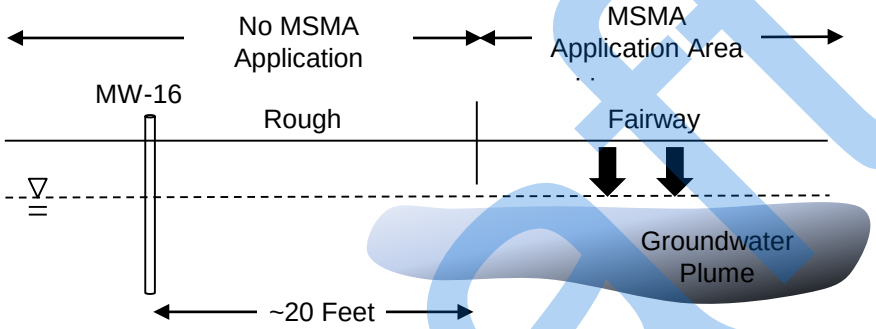


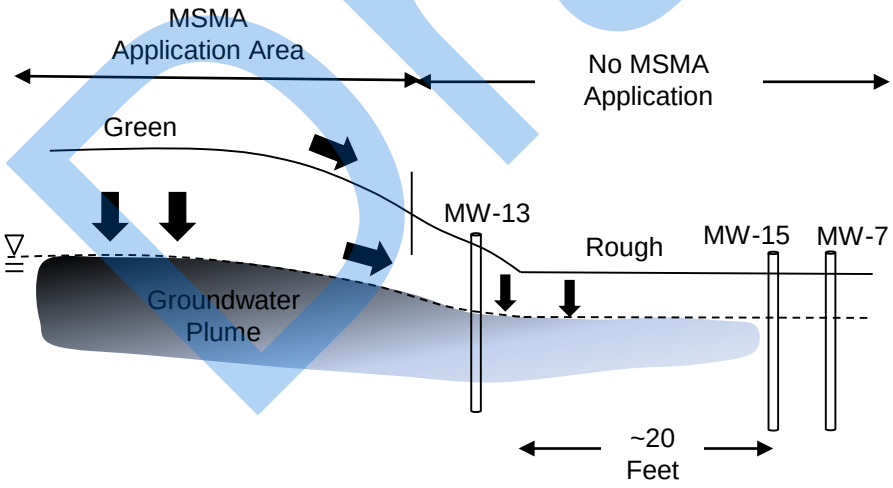
EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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







Draft

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

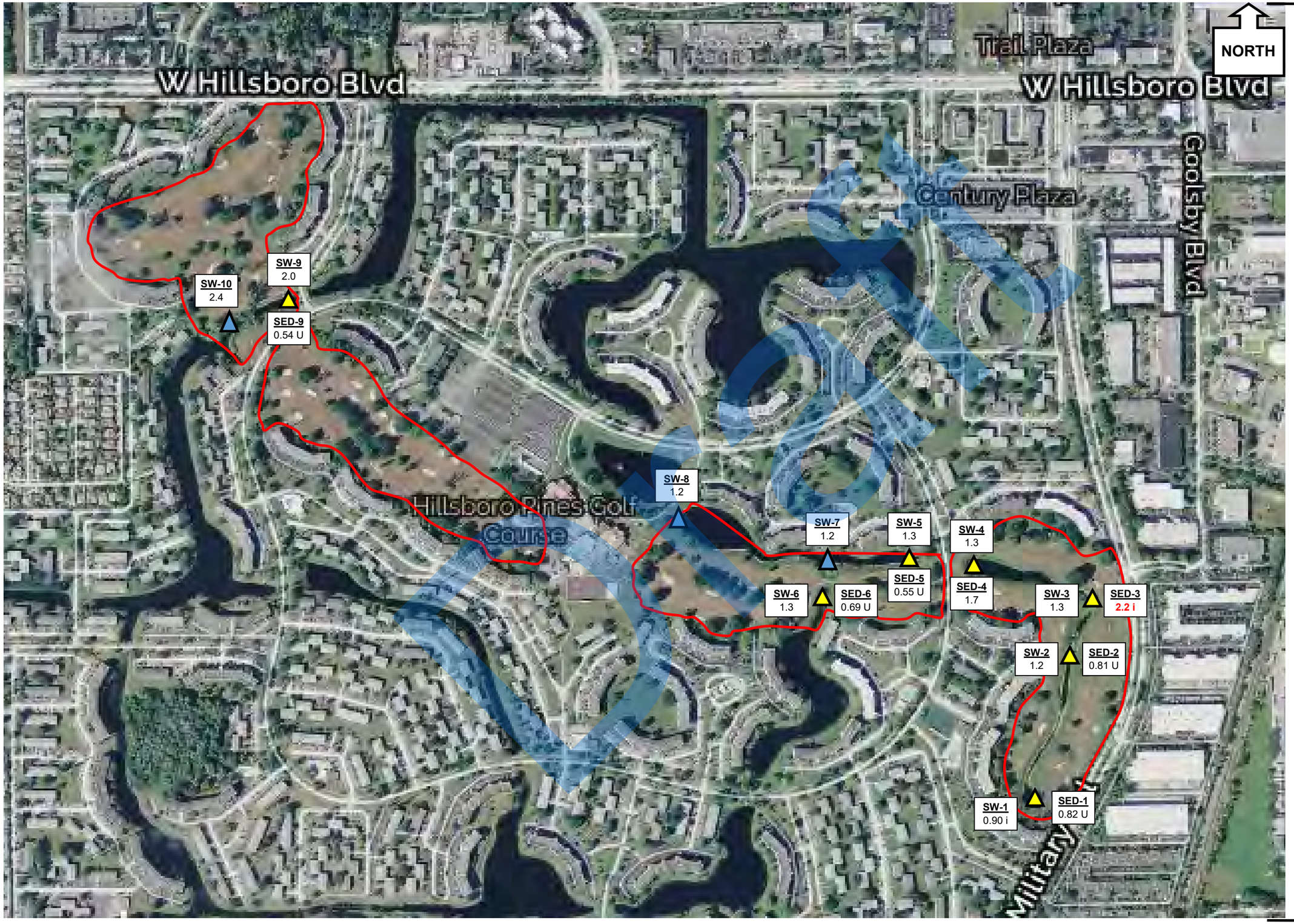
Site Assessment Report Addendum
Former Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Conceptual Site Model for MSMA Migration Pathways Not to Scale	Drawn By: ER	Date: November 1, 2018	Figure No.: 5
		Job No.: 62102.07	

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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



Site Assessment Report Addendum
Former 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

Surface Water and Sediment Sampling Locations

Date:	November 1, 2018	Figure No.:
Job No.:	62102.07	7
Drawn By	ER	

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		

Draft

	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

Draft

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)
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

Draft

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

Draft

BROWARD COUNTY
FLORIDA
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.

Draft

- 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

Draft

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

Draft

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 Forida 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

Draft

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

Draft

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 ($1x10^{-6}$ 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)

Draft

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 cm^2 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

Draft

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.

Draft

Draft

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 $(mg/kg \bullet day)^{-1}$.	1.60E+01	1.60E+01	1.10E+00	1.10E+00
SF_d	Dermal Slope Factor expressed in $(mg/kg \bullet day)^{-1}$ (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 $(mg/kg \bullet day)^{-1}$ (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.

Draft

Draft

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.

Draft

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

Draft

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 Forida 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

Draft

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

Draft

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 ($1x10^{-6}$ 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)

Draft

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 cm^2 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

Draft

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.

Draft

Draft

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 $(mg/kg \bullet day)^{-1}$.	1.60E+01	1.60E+01	1.10E+00	1.10E+00
SF_d	Dermal Slope Factor expressed in $(mg/kg \bullet day)^{-1}$ (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 $(mg/kg \bullet day)^{-1}$ (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.

Draft

Draft

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.

Draft

EE&G
Environmental Services, LLC

5751 Miami Lakes Drive
Miami Lakes, Florida 33014-2417
Tel (305) 374-8300
Fax (305) 374-9004
www.eeandg.com

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-feet below land surface (BLS) interval and two from the 0.5 to 2-feet 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-feet 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).

Draft

- 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-feet 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-feet 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-feet 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-feet 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.

Draft

- 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.

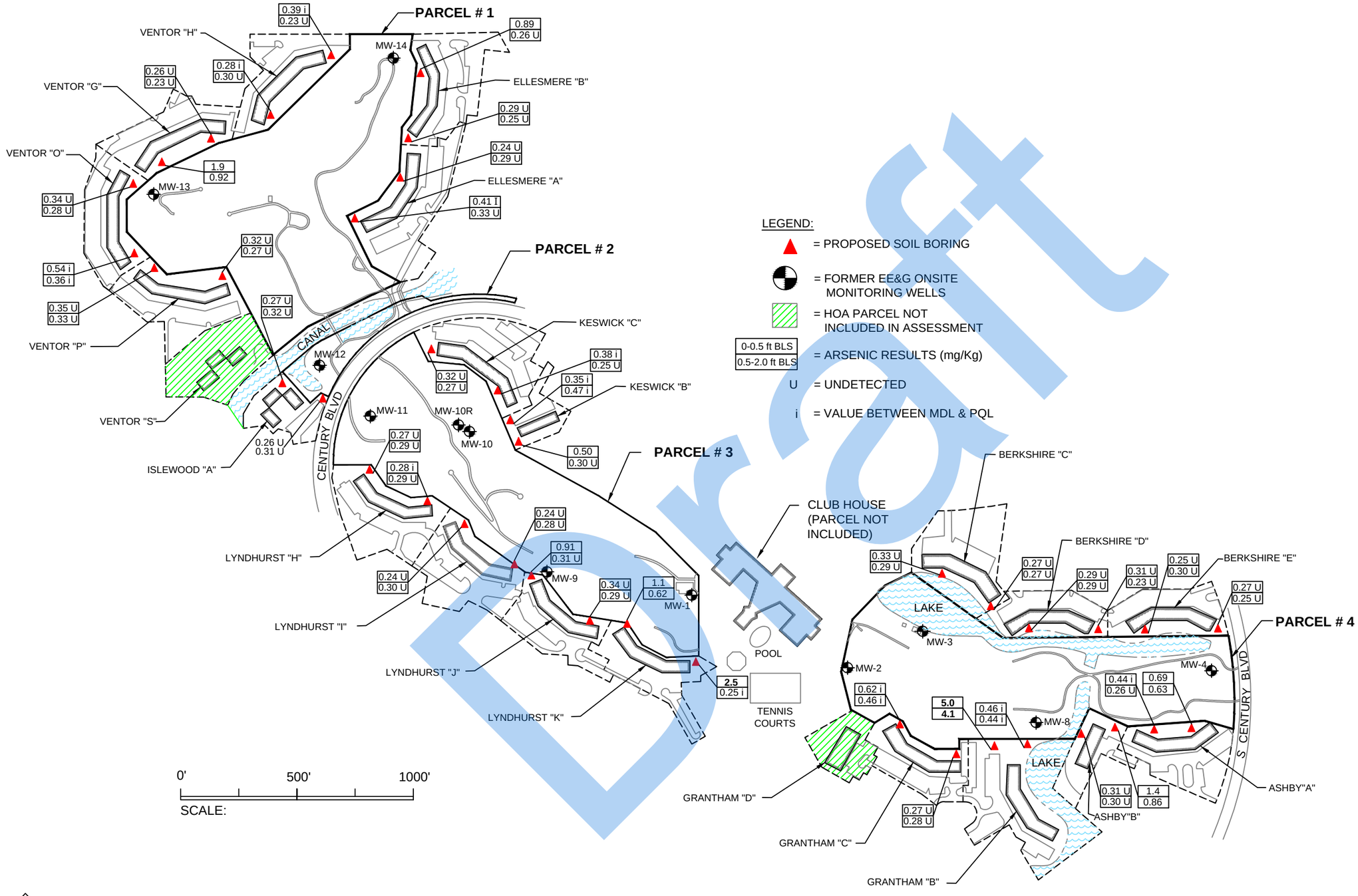
Sincerely,

Craig C. Clevenger, P.G.
Senior Hydrogeologist
EE&G

Draft

FIGURES

Draft



LEGEND:

- = PROPOSED SOIL BORING
- = FORMER EE&G ONSITE MONITORING WELLS
- = HOA PARCEL NOT INCLUDED IN ASSESSMENT
- 0-0.5 ft BLS / 0.5-2.0 ft BLS = ARSENIC RESULTS (mg/Kg)
- U = UNDETECTED
- i = VALUE BETWEEN MDL & PQL

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:

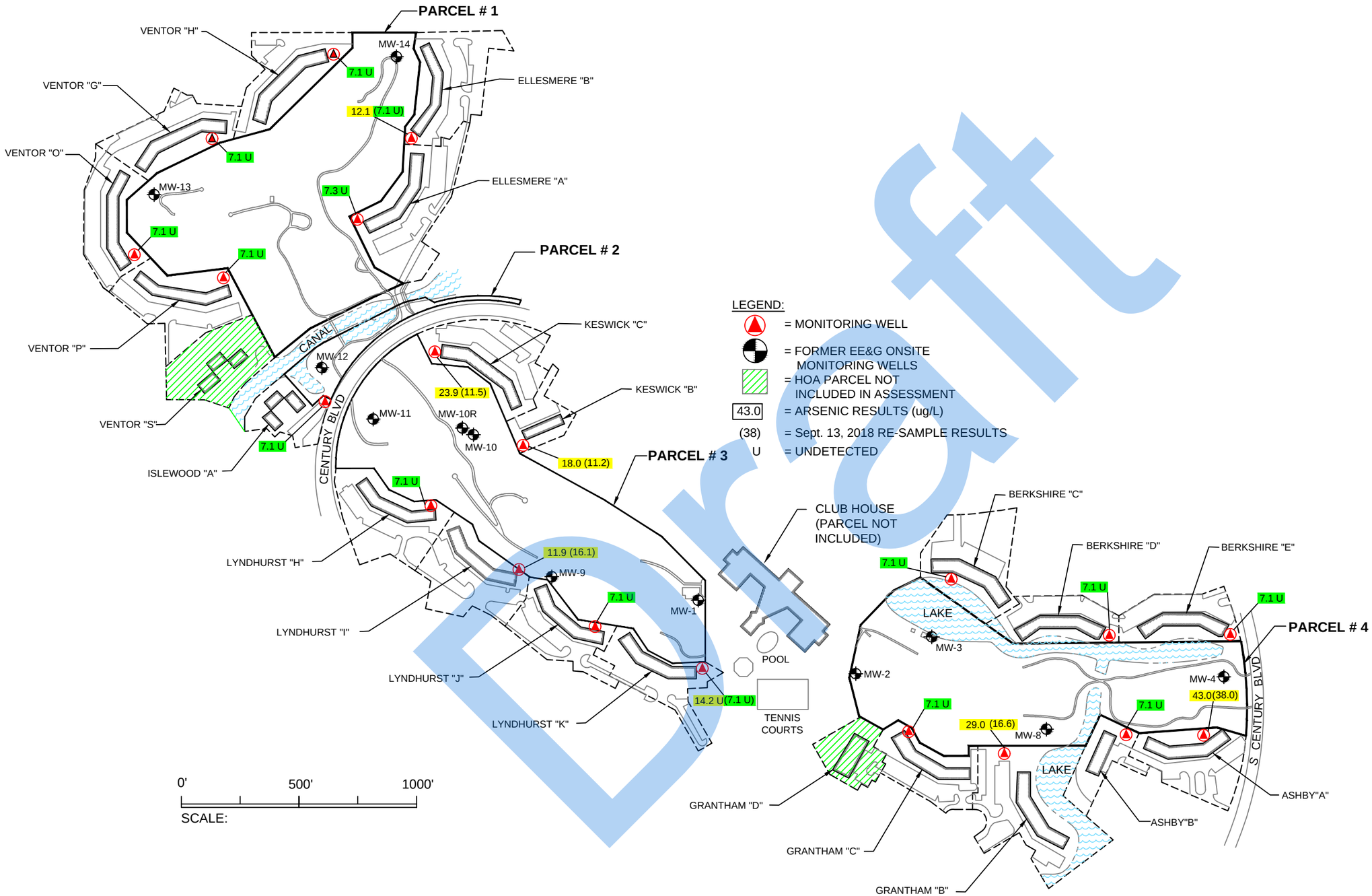
SOIL RESULTS MAP

Dwg. Date:	8/27/2018
Job No. :	2018-3089
Drawn By:	JML
App. By:	
Scale:	AS_SHOWN
Cad File:	FIG1
Revisions:	

Figure No.

1

Draft



LEGEND:

= MONITORING WELL

= FORMER EE&G ONSITE MONITORING WELLS

= HOA PARCEL NOT INCLUDED IN ASSESSMENT

43.0 = ARSENIC RESULTS (ug/L)

(38) = Sept. 13, 2018 RE-SAMPLE RESULTS

U = UNDETECTED

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.

2

DRAFT

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: feet to 13.70 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)
= (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): 8.78	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	none
0912	0.5	1.0	~~6.84~~	6.84	6.96	32.8	347.2	0.21	1.96	CLR	none
0914	0.5	1.5	~~6.84~~ 0.21	6.84	6.77	32.8	345.0	0.14	1.97	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: 0914	SAMPLING ENDED AT: 0920
PUMP OR TUBING DEPTH IN WELL (feet): 8.78	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL~~ per minute)
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)

Revision Date: February 12, 2009

Draft

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	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 13.60 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	0.2	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 ~~1017~~
PUMP OR TUBING DEPTH IN WELL (feet): 7.28	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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: feet 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)
= (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): 8.48	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	clr	none
0934	0.5	1.0	↓	6.54	6.60	33.4	263.4	0.57	8.38	clr	none
0936	0.5	1.5	↓	6.54	6.57	33.4	263.0	0.34	6.86	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: 0936	SAMPLING ENDED AT: 0945
PUMP OR TUBING DEPTH IN WELL (feet): 8.48	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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** = 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

Draft

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: HILLSBORO PINES GOLF COURSE	SITE LOCATION: 2400 CENTURY BLVD, DEERFIELD BCH, FL	
WELL NO: MW-24	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 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	7.24	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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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)
= (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): 8.10	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(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1052	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; **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

Draft

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: feet to 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~~ 1.5 ER

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	cp	none
1104	0.5	1.0	↓	5.98	7.04	29.4	595	0.22	6.71	cp	none
1106	0.5	1.5	↓	5.98	7.04	29.4	596	0.28	5.23	cp	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: 1106	SAMPLING ENDED AT: 1116
PUMP OR TUBING DEPTH IN WELL (feet): 7.88	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; **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

Draft

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: feet to 12.58 feet	STATIC DEPTH 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)
= (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): 9.98	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	185	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
1147	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):	SAMPLING INITIATED AT: 1144	SAMPLING ENDED AT: 1150
PUMP OR TUBING DEPTH IN WELL (feet): 9.98	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; **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

Draft

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: feet to 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	0.22	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	0.19	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):	SAMPLING INITIATED AT: 1218	SAMPLING ENDED AT: 1228
PUMP OR TUBING DEPTH IN WELL (feet): 9.83	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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)

Revision Date: February 12, 2009

Draft

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546
CERTIFICATE OF ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1855641
P.O. # _____
Quote # _____

Company Name: Edward G. Rahrig PG LLC
Address: 1086 SW Sultan Drive
City: Port St. Lucie State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Century Village Project #: 62102.07
Sampler Name/Signature: Ed Rahrig [signature]

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: 8081 (Pres Codes: I)	As (Pres Codes: I)	Field Filtered (Y/N)	Comments
1	B-89-0.5	3/1/18	0850	S	1	✓	✓		*HOLD*
2	B-89-2		0851	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*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	3/1/18	14:39	E. Dahn	3/1/18	14:39
E. Dahn	3/1/18	1439	[signature]	3/1/18	1439

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: 3.1 °C

Page 1 of 3

855641

Draft

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1855641
P.O. # _____
Quote # _____

Company Name: Edward G. Rahrig, P.G., LLC
Address: 1086 SW Sultan Dr
City: Port St Lucie State: FL Zip: 34953
Sampling Site Address: 2400 CENTURY BLVD
Attn: Ed Rahrig Email:
Project Name: Century Village Project #: 62102.07
Sampler Name/Signature: Ed Rahrig [signature]

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: 8081 (Pres Codes: I)	Parameters: As (Pres Codes: I)	Field Filtered (Y/N)	Comments
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*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	3/1/18	14:39	[signature]	3/1/18	14:39
[signature]	3/1/18	1439	[signature]	3/1/18	1439

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: 3.1 °C

Draft

855641

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 855641
P.O. #
Quote #

Company Name: Edward G. Rahrig, P.G., LLC
Address: 1086 SW Sultan Dr
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Century Village Project #: 62102.7
Sampler Name/Signature: Ed Rahrig

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: 8081	Parameters: As	Field Filtered (Y/N)
21	B-95	3/1/18	1200	GW	1	✓		
22	B-96-0.5		1210	S	1	✓	✓	
23	B-96-2		1211	S	1	✓	✓	
24	B-96		1230	GW	1	✓		
25	B-97-0.5		1240	S	1	✓	✓	
26	B-97-2		1241	S	1	✓	✓	
27	B-97		1305	GW	1	✓		
28								
29								
30								

Pres Codes: I I

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

Comments
HOLD
All As in Soil

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	3/1/18	14:39	[signature]	3/1/18	14:39
[signature]	3/1/18	1439	[signature]	3/1/18	1439

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: 3.1 °C

855641

Draft

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

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	3.1	27	☐	☐		

Checked By: CT

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/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:	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

Draft

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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		

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 185876
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig PG LLC
Address: 1086 SW Sultan Dr
City: PSL State: FL Zip: 34953
Sampling Site Address: Century Village
Attn: Ed Rahrig Email:
Project Name: Century Village Project #: 62102.08
Sampler Name/Signature: [signature] / Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters	Field Filtered (Y/N)	Comments
1	MW-21-0.5	10/2/18	0910	SO	1		✓		
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~~ 24-2		1106				✓		
9	MW-~~25~~ 25R-0.5		1155				✓		
10	MW-25-2		1156				✓		

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	10/2/18	15:17	[signature]	10/2/18	15:17

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: 28.8°C

Draft

858766

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 158766
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig
Address: 1086 SW Sultan Dr
City: PSL State: FL Zip: 34953
Sampling Site Address: Century Village
Attn: Ed Rahrig Email:
Project Name: Century Village Project #: 62102.08
Sampler Name/Signature: Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters (Pres Codes)	Field Filtered (Y/N)	Comments
1	MW-26-0.5	10/2/18	1240	SO	1	✓		
2	MW-26-2	"	1241	SO	1	✓		
3								
4								
5								
6								
7								
8								
9								
10								

Matrix Codes*

S	Soil/Solid Sediment	SW	Surface Water
GW	Ground Water	SL	Sludge
WW	Waste Water	O	Other (Please Specify)
DW	Drinking Water		

Pres Codes

A- none		I-	Ice
B- HNO_3		O-	Other
C- H_2SO_4		M-	MeOH
D- NaOH		N-	$Na_2S_2O_3$
E- HCl		Z-	ZnAc

Relinquished by	Date	Time	Received by	Date	Time
	10/2/18	15:17		10/2/18	15:17

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

Draft

158766

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 Present	Security Tape Intact	Method of Receipt	Comments
	28.9	12	☐	☐		

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/I 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

Draft

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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		

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1858793
P.O. # _____
Quote # _____

Company Name: Edward G. Rahrig PG LLC
Address: 1086 SW Sultan Dr
City: PSL State: FL Zip: 34953
Sampling Site Address: Century Village
Attn: Ed Rahrig Email: [illegible]
Project Name: Century Village Project #: 62102.08
Sampler Name/Signature: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Pres Codes: A

Parameters: As

Field Filtered (Y/N)

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters	Field Filtered (Y/N)	Comments
1	MW-27-0.5	10/3/18	1330	SO	1	✓		
2	MW-27-2	↓	1331	↓	↓	✓		
3	MW-28-0.5	↓	1430	↓	↓	✓		
4	MW-28-2	↓	1431	↓	↓	✓		
5								
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
O Other (Please Specify)

Pres Codes
A- none I- Ice
B- HNO_3 O- Other
C- H_2SO_4 M- MeOH
D- NaOH N- $Na_2S_2O_3$
E- HCl Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	10/3/18	16:25	[signature]	10/3/18	16:25

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: 28.6°C

Page 1 of 1

858793

Draft

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 Present	Security Tape Intact	Method of Receipt	Comments
	28.6	4	☐	☐		

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/I 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

Draft

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1858880
P.O. # _____
Quote # _____

Company Name Edward Rahrig P.G., LLC
Address 1086 SW Sultan Rd,
City Port St Lucie State FL Zip 34953
Sampling Site Address Century Village
Attn: Ed Rahrig Email Edrahrig@comcast.net
Project Name Century Village Project # 62102.08
Sampler Name/Signature X Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date 2018	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: Total AS (H)	Parameters: Dissolved AS (H)	Field Filtered (Y/N)
1	MW-21	10-9	0914	GW	2		✓	✓	
2	MW-22	10-9	0936	GW	2		✓	✓	
3	MW-23	10-9	1007	GW	2		✓	✓	
4	MW-24	10-9	1024	GW	2		✓	✓	
5	MW-25	10-9	1052	GW	2		✓	✓	
6	MW-26	10-9	1106	GW	2		✓	✓	
7	MW-27	10-9	1144	GW	2		✓	✓	
8	MW-28	10-9	1218	GW	2		✓	✓	
9									
0									

RUSH

Requested Turnaround Time

Note: Rush requests subject to acceptance by the laboratory

___ Standard
✓ Expedited

Due ___/___/___

Comments

RUSH
24-HR

Matrix Codes*

S	Soil/Solid Sediment	SW	Surface Water
GW	Ground Water	SL	Sludge
WW	Waste Water	O	Other (Please Specify)
DW	Drinking Water		

Pres Codes

A-	none	I-	Ice
B-	HNO_3	O-	Other
C-	H_2SO_4	M-	MeOH
D-	NaOH	N-	$Na_2S_2O_3$
E-	HCl	Z-	ZnAc

Relinquished by	Date	Time	Received by	Date	Time
	10/9/18	1327		10/9/18	1327

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: 22 °C

Page 1 of 1

858880

Draft

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 Present	Security Tape Intact	Method of Receipt	Comments
	2.2	8	☐	☐		

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/I 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

Draft

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
www.broward.org

We value your feedback as a customer. You can comment on the quality of service you received by completing our Customer Satisfaction Survey. Thank you!

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

Draft

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

Please consider the environment before printing this email

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
Environmental Protection and Growth Management Department
ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION
1 N University Dr, Mailbox 201 | Plantation, Florida 33324
Office: 954.519.1478
www.broward.org

We value your feedback as a customer. You can comment on the quality of service you received by completing our Customer Satisfaction Survey. Thank you!

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

Draft

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

Please consider the environment before printing this email

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
www.broward.org

We value your feedback as a customer. You can comment on the quality of service you received by completing our Customer Satisfaction Survey. Thank you!

From: E. Lee Worsham [mailto:LWorsham@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

Draft

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

Shutts

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

Please consider the environment before printing this email

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 hat 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.

Draft

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.

Shutts

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

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

Draft

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

Under Florida law, most e-mail messages to or from Broward County employees or officials are public records, available to any person upon request, absent an exemption. Therefore, any e-mail message to or from the County, inclusive of e-mail addresses contained therein, may be subject to public disclosure.

Under Florida law, most e-mail messages to or from Broward County employees or officials are public records, available to any person upon request, absent an exemption. Therefore, any e-mail message to or from the County, inclusive of e-mail addresses contained therein, may be subject to public disclosure.

Under Florida law, most e-mail messages to or from Broward County employees or officials are public records, available to any person upon request, absent an exemption. Therefore, any e-mail message to or from the County, inclusive of e-mail addresses contained therein, may be subject to public disclosure.

Draft

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

Draft

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).

Draft

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)

Draft

- 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

Draft

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 hestitate to contact me at any time.

Best regards,

EDWARD GERARD RAHRIG LICENSE No. 1237 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

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

Draft

PROFESSIONAL CERTIFICATION

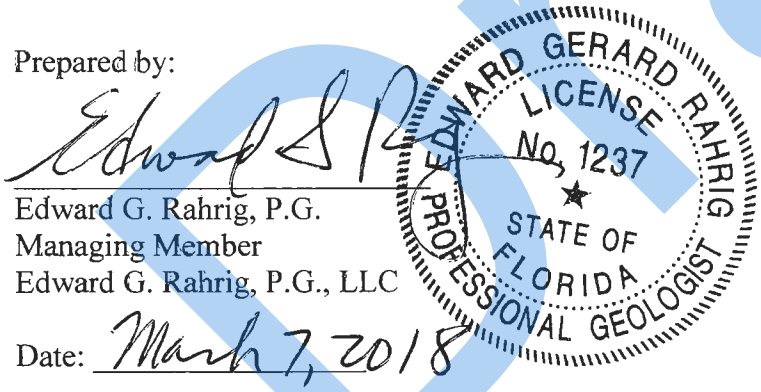
I, Edward G. Rahrig, P.G. #1237, certify that I currently hold an active license in the State of Florida and am competent through education and experience to provide the geologic service contained in this report and meet the requirements outlined below:

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.

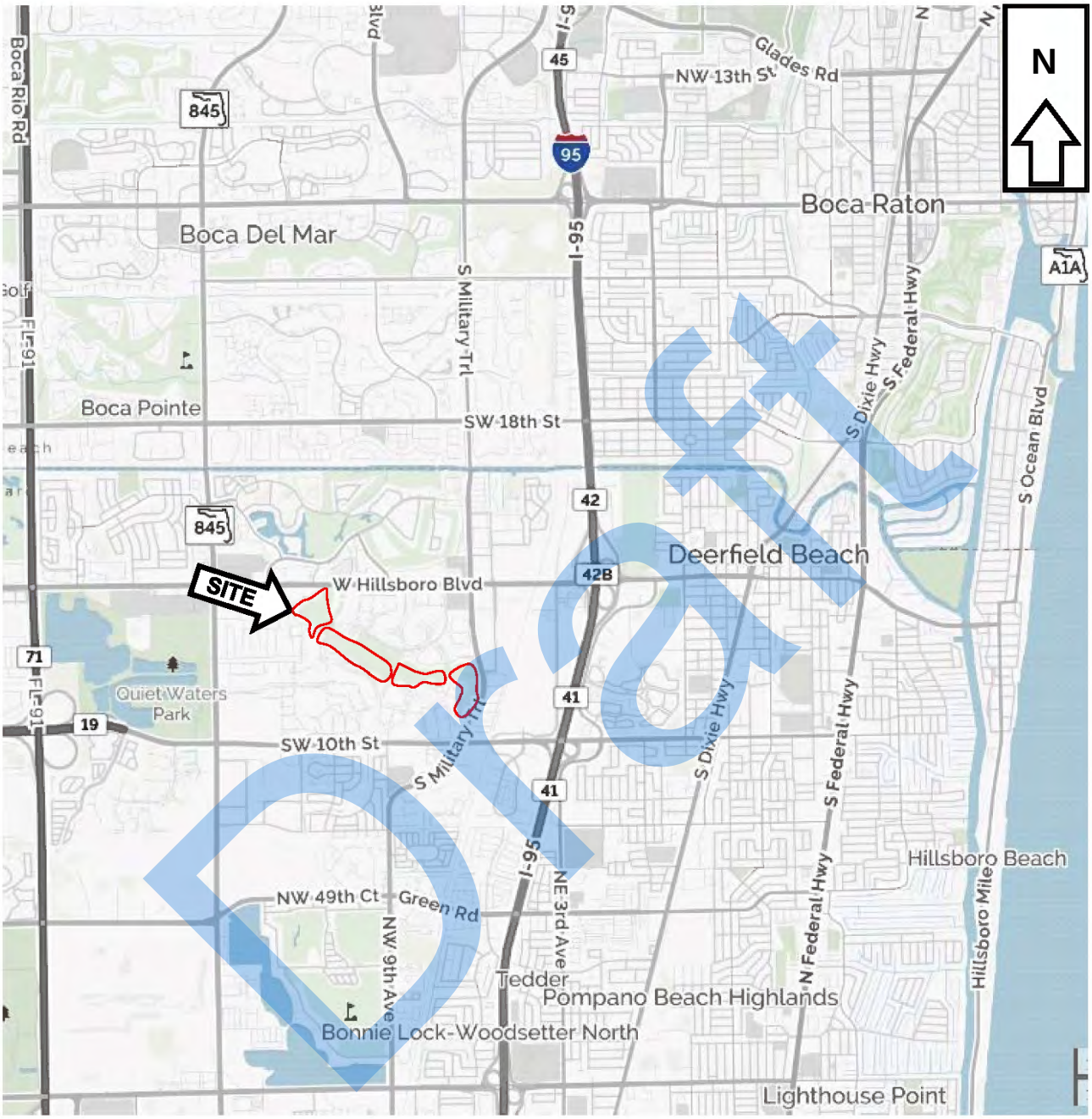
Prepared by:



Edward G. Rahrig, P.G.
Managing Member
Edward G. Rahrig, P.G., LLC

Date: March 7, 2018

Draft

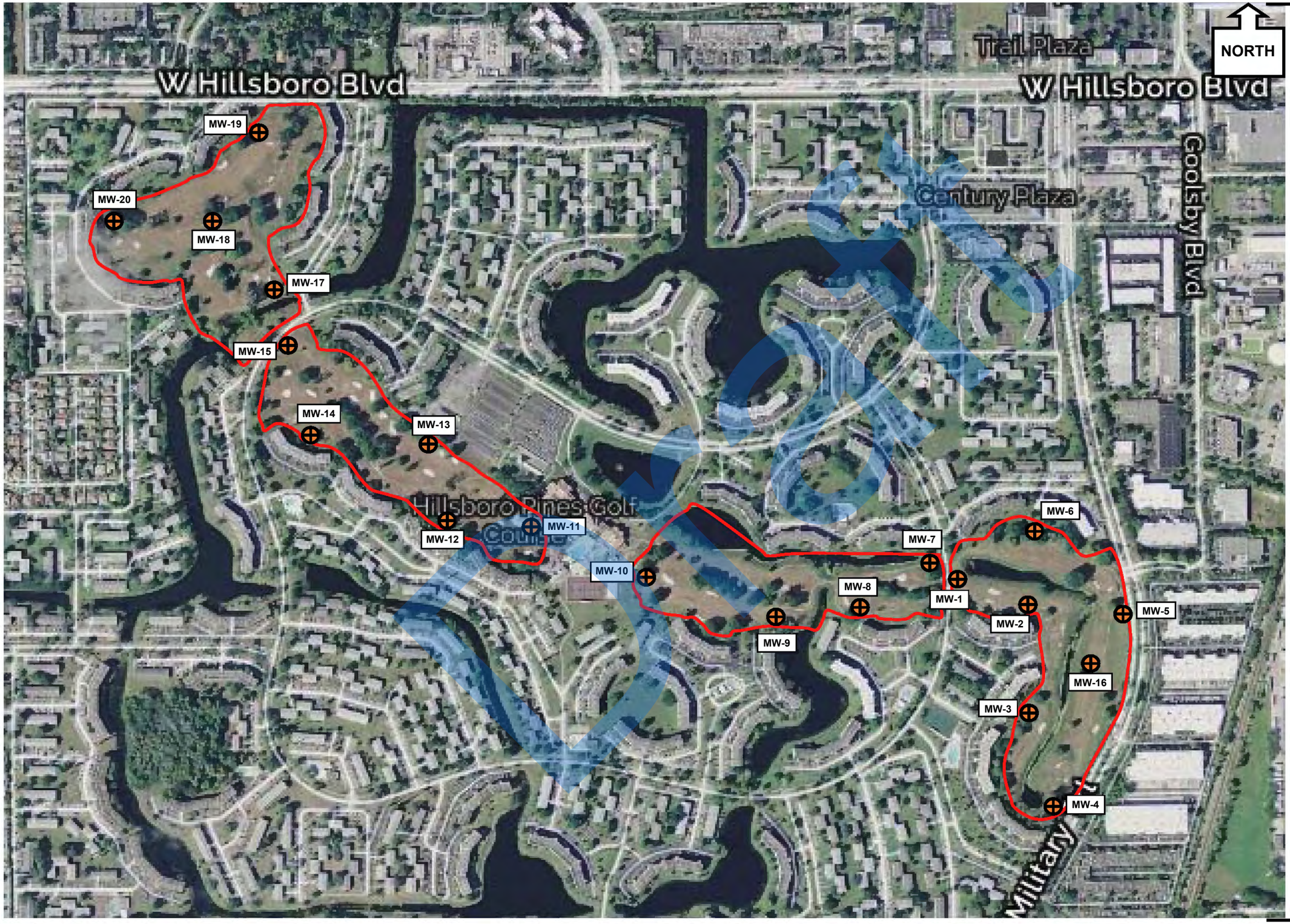


Draft

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953-2905
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 ER	Date: March 7, 2018 Job No.: 62102.01	Figure No.: 1



Fourth Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

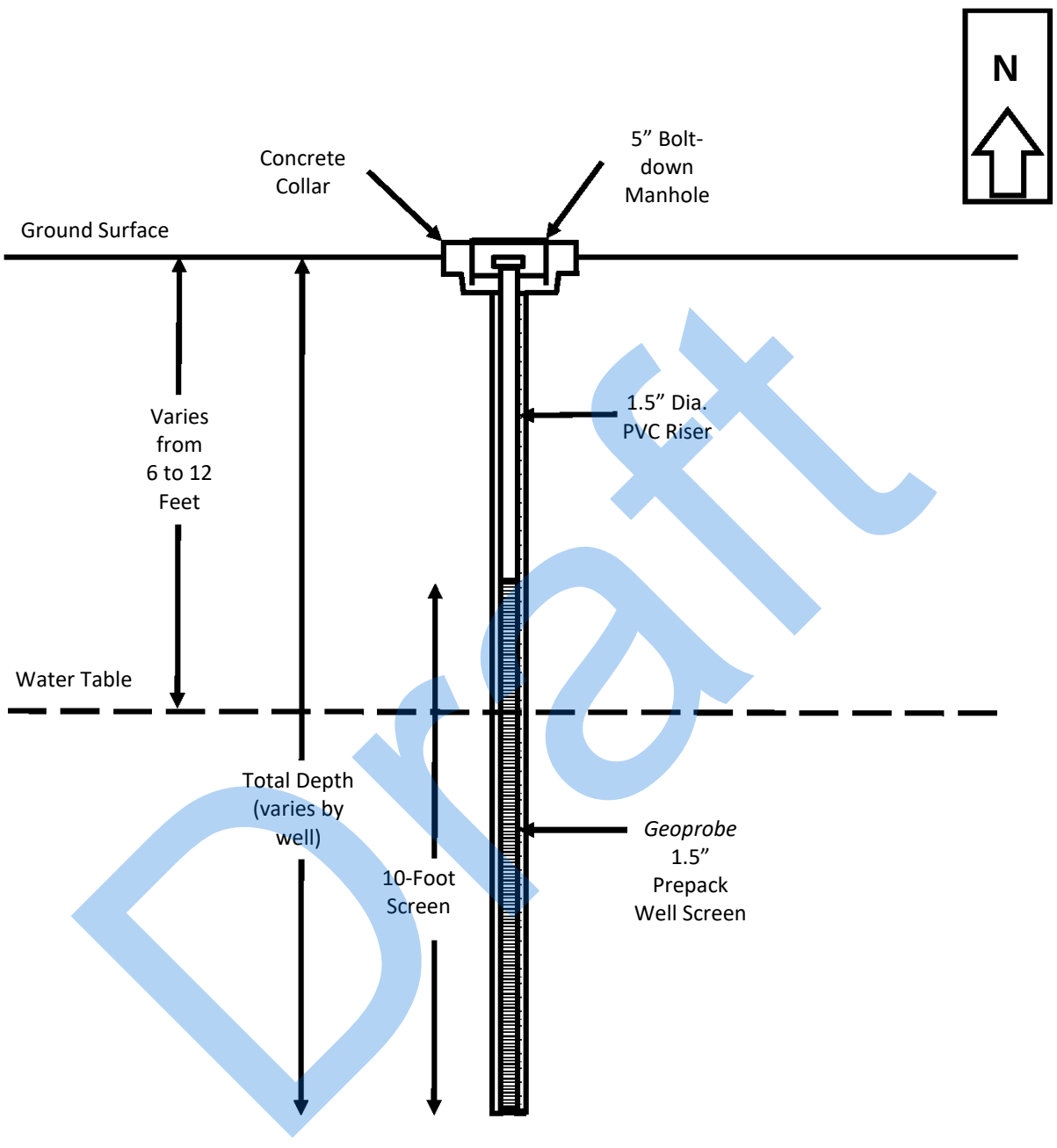
Date:	March 7, 2018	Figure No.: 2
Job No.:	62102.01	
Drawn By	ER	

Monitor Well Location Map

EDWARD G. RAHRIG, P.G. LLC
1086 Southwest Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

LEGEND

⊕ Monitor Well Location

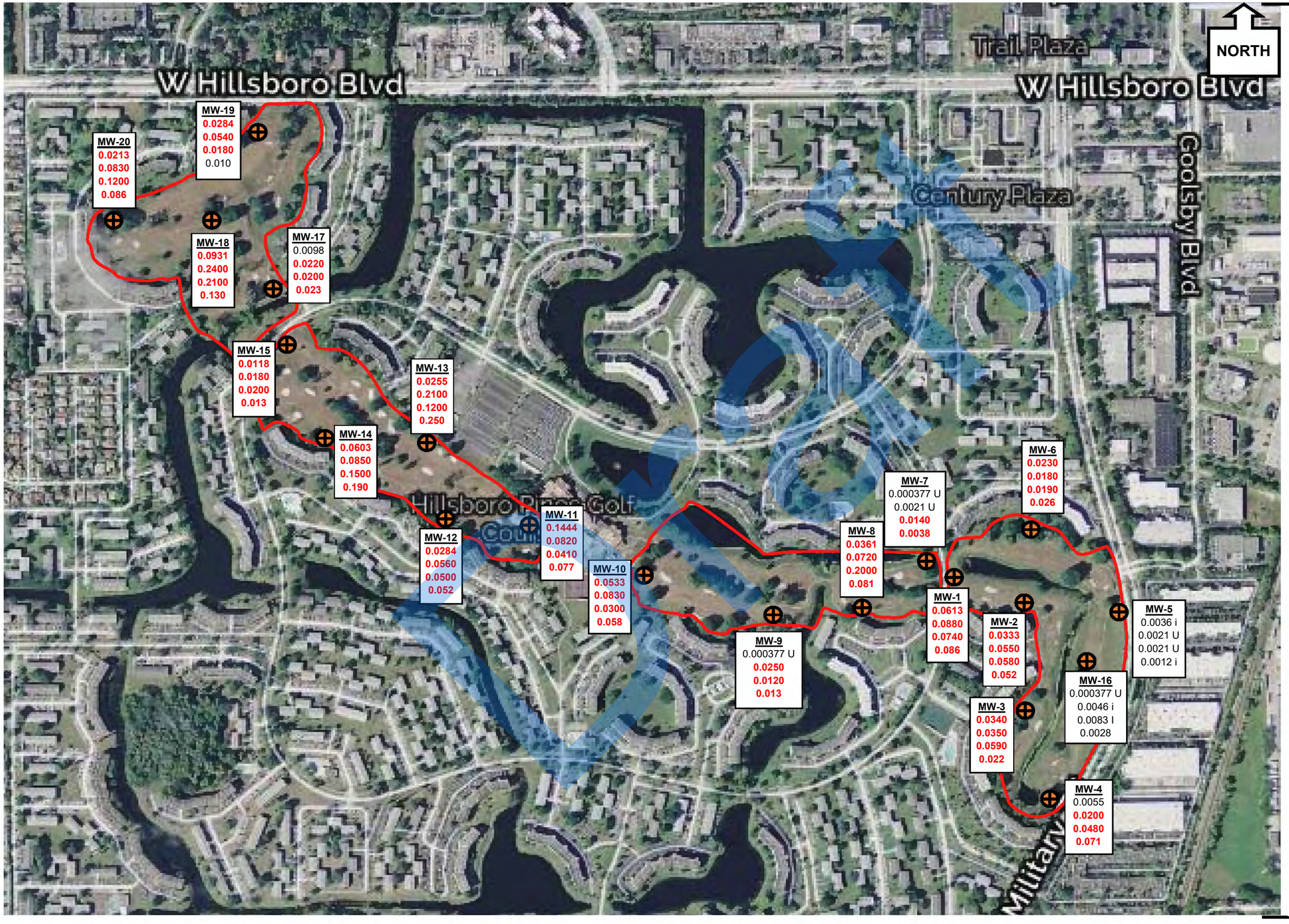


Draft

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953-2905
Tel: (561) 738-4667 Fax: (888) 848-0816

Fourth Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Monitor Well Construction Diagram Not to Scale	Drawn By ER	Date: March 7, 2018 Job No.: 62102.01	Figure No.: 3



Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Date:	March 7, 2018	Figure No.:	4
Job No.:	62102.01		
Drawn By	ER		

Groundwater Analytical Summary

EDWARD G. RAHRIG, P.G. LLC
1086 Southwest Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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

☐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 6-17-281WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✔ Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ 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 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.)

DRAFT

*Permit No. 6-17-281WP

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

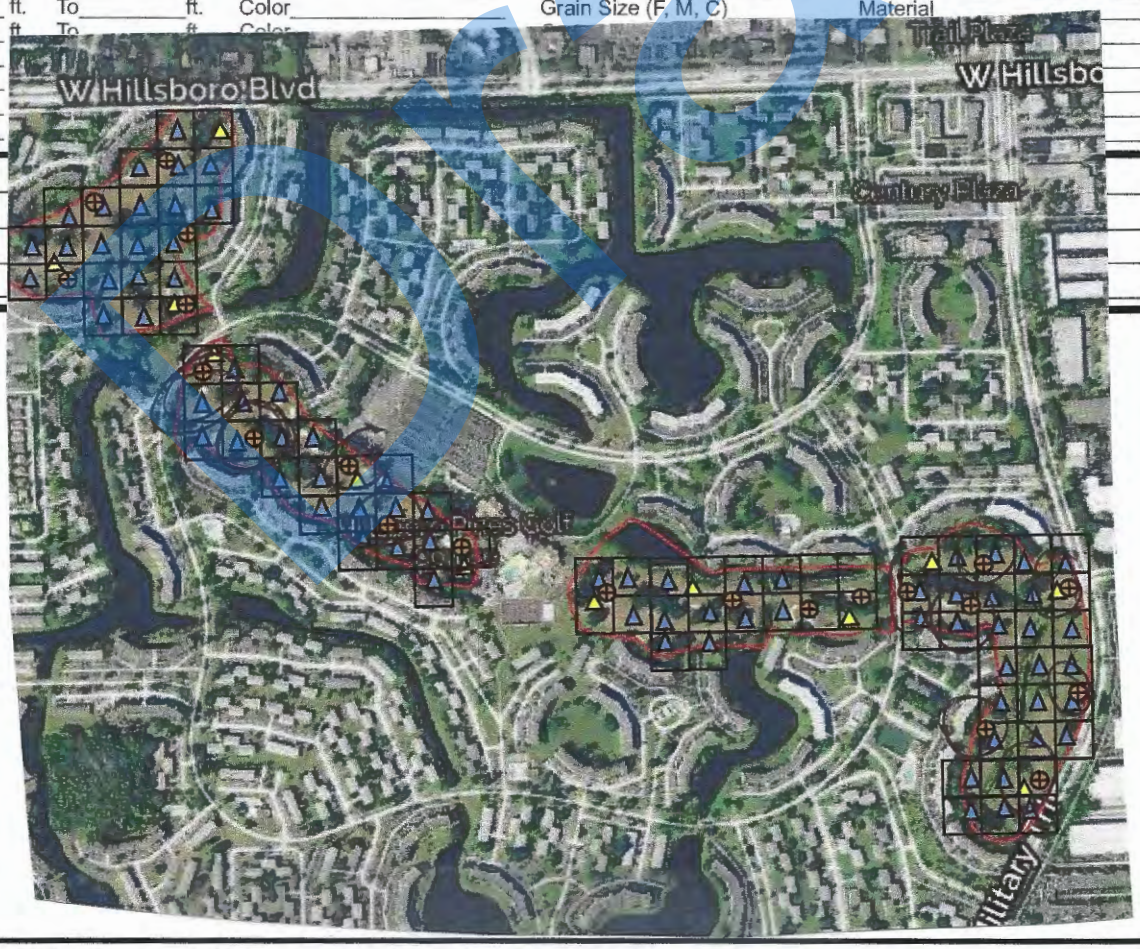
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

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	0	ft.	To	15	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	
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

☐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 6-17-282WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✓Monitoring
____Test
____Earth-Coupled Geothermal
____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.)

DRAFT

*Permit No. 6-17-282WP

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	Grain Size (F, M, C)	Material
0		15		TAN	M/F	SAND

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 6-17-280WP *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 ____HVAC Return
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.)

DRAFT

*Permit No. 6-17-280WP

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	Grain Size (F, M, C)	Material
0		15		TAN	M/F	SAND

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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✓ Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) w smitherman

DRAFT

*Permit No. 6-17-279WP

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

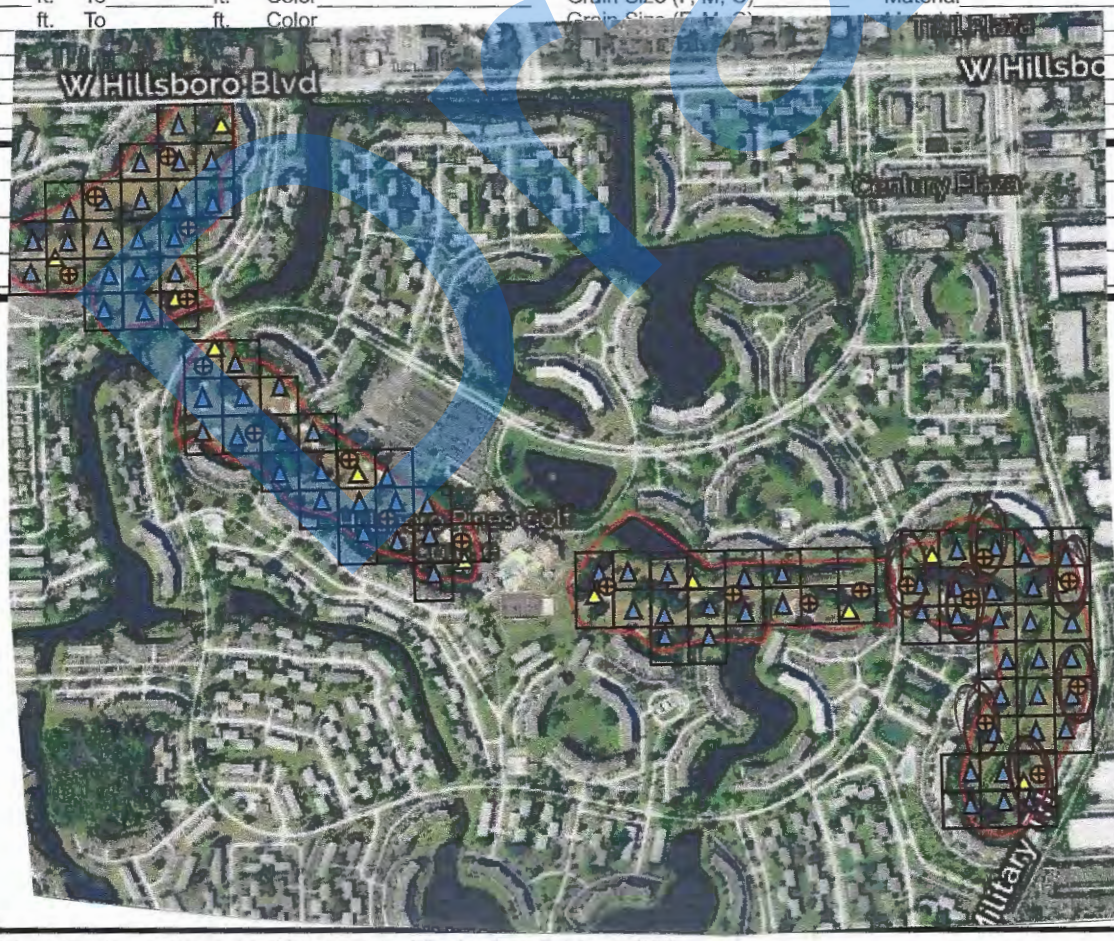
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

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	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)		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	
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:



Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1855661
P.O. # _____
Quote # _____

Company Name: Edward G. Rahrig P.G. LLC
Address: 1086 ~~SW~~ Sultan Dr
City: Port St Lucie State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd DFB
Attn: Ed Rahrig Email:
Project Name: Century Village Project #: 02102.01
Sampler Name/Signature: Ed Rahrig

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: Total Arsenic BT	Parameters: Dissolved Arsenic DT	Field Filtered (Y/N)	Comments
1	MW-1	3/2	0852	GW	2		✓	✓		
2	MW-2	3/2	0921	GW	2		✓	✓		
3	MW-3	3/2	0945	GW	2		✓	✓		
4	MW-4	3/2	1015	GW	2		✓	✓		
5	MW-16	3/2	1043	GW	2		✓	✓		
6	MW-5	3/2	1112	GW	2		✓	✓		
7	MW-6	3/2	1135	GW	2		✓	✓		
8	MW-7	3/2	1158	GW	2		✓	✓		
9	MW-8	3/2	1227	GW	2		✓	✓		
10	MW-9	3/2	1254	GW	2		✓	✓		

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
	3/2/18	1451		3/2/18	1451
	3/2/18	1515		3/2/18	1515

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: 2.9 °C

855661

Draft

Jupiter
Environmental Laboratories, Inc

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 855661
P.O. # _____
Quote # _____

Company Name: Edward G. Rahrig, P.G. LLC
Address: 1086 SW Sultan Dr
City: Port St Lucie State: FL Zip: 34953
Sampling Site Address: 2400 CENTURY BLVD DFB
Attn: ED RAHRIG Email:
Project Name: CENTURY VILLAGE Project #: 62102.01
Sampler Name/Signature: X Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: TOTAL ARSENIC (3T)	Parameters: DISSOLVED ARSENIC (F)	Field Filtered (Y/N)	Comments
1	MW-10	3/2	1323	GW	2		✓	✓		
2										
3										
4										
5										
6										
7										
8										
9										
10										

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
	3/2/18	1455		3/2/18	1455
	3/2/18	1515		3/2/18	1515

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: 2.9 °C

855661

Draft

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 Present	Security Tape Intact	Method of Receipt	Comments
	2.9	11	☐	☐		

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/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		**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		

Draft

Subcontract Analysis

Parameter	Via	Lab Name	Comments

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # _____
P.O. # _____
Quote # _____

Company Name: Edward Rahrig, P.E. LLC
Address: 1086 SW Sultan Dr
City: Port St Lucie State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd, DFB
Attn: Edward Rahrig Email:
Project Name: Century Village Project #: 62102.01
Sampler Name/Signature: Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: TOTAL ARSENIC	Parameters: DISSOLVED ARSENIC	Field Filtered (Y/N)	Comments
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~~							
7	MW-17	3/3/18	~~1230~~ 1143	GW	2		✓	✓		
8	MW-18	3/3/18	1210	GW	2		✓	✓		
9	MW-19	3/3/18	1233	GW	2		✓	✓		
10	MW-20	3/3/18	1310	GW	2		✓	✓		

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

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- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N- $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	3/3/18	1650	Ed Rahrig	3/3/18	1650
Ed Rahrig	3/3/18	1730	KB	3/3/18	1730

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

Draft

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

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	5.5	9	☐	☐		

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/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		**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

Draft

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

7.08 gr

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)
= (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)
gr = gallons + (gr gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.01	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.01	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	↓	7.06	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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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 Penstaltic 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

Draft

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 14.66 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)

= (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):	9.44	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	9.44	PURGING INITIATED AT:	0907	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 ~~1466~~ ER2
PUMP OR TUBING DEPTH IN WELL (feet):	9.44	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: X N Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE: X 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			
MW2	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; 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

Draft

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: feet to 4.65 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)
= (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): 8.74	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	0.2	6.84	6.88	25.5	602	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

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: 0945	SAMPLING ENDED AT: 0950
PUMP OR TUBING DEPTH IN WELL (feet): 8.74	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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

Draft

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 14.69 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: X N Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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:	feet to 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

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	yel	none
1043	0.5	2.0	↓	9.91	7.26	21.6	441.8	5.4	2.36	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:	1043	SAMPLING ENDED AT:	1048
PUMP OR TUBING DEPTH IN WELL (feet):	11.75	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: X Y / N		FILTER SIZE: ____ µm	
				Filtration Equipment Type:			
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE: X Y / N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-16	1	PE	100 ML	NONE	—	—	AS	PP	0.18
MW-16	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

Draft

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 7.7 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)
= (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): 10.85	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	~~8.94~~ 4.05 ER	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	1.84	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: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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 = Cleer 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

Draft

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: feet to: 14.67 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)
= (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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
10.22	10.22	1127.5	1135	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	0.20	8.36	7.00	24.8	622	4.6	3.38	yel	none
1132	0.5	1.0	↓	8.36	7.04	24.8	621	2.9	2.13	yel	none
1135	0.5	1.5	↓	8.36	7.07	24.7	625	2.6	1.38	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: 1135	SAMPLING ENDED AT: 1140
PUMP OR TUBING DEPTH IN WELL (feet): 10.22	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N; Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW 6	1	PE	100 ML	NONE	—	—	AS	PP	0.20
MW 6	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

Draft

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: 3/2/2018	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 13.60 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)
= (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): 7.72	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	none
1156	0.5	1.5	↓	5.84	7.09	22.5	449.0	1.7	2.69	Yel	none
1158	0.5	2.0	↓	5.84	7.09	22.5	449.5	1.5	1.91	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: 1158	SAMPLING ENDED AT: 1203
PUMP OR TUBING DEPTH IN WELL (feet): 7.72	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-7	1	PE	100 ML	NONE	—	—	AS	PP	0.22
MW-7	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

Draft

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: feet to 13.68 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)
= (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): 8.50	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	283	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	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: 1227	SAMPLING ENDED AT: 1233
PUMP OR TUBING DEPTH IN WELL (feet): 8.50	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; 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

Draft

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:	feet to 14.67 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)
= (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):	7.68	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; **6/16"** = 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: X N Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE: X N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; **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

Draft

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)
= (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):	8.18	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** = 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:	1323	SAMPLING ENDED AT:	1330
PUMP OR TUBING DEPTH IN WELL (feet):	8.18	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: X N		FILTER SIZE: ____ µm	
				Filtration Equipment Type:			
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE: X N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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 = 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

Draft

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:	feet to 14.68 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)
= (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):	9.65	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	Brown	
0906	0.5	1.0	↓	7.75	6.49	25.6	226.9	2.5	11.1	yel"	none
0909	0.5	1.5		7.75	6.47	25.6	225.2	2.3	10.3	yel"	none
0911	0.5	2.0	↓	7.75	6.43	25.6	224.5	2.4	10.6	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:	0911	SAMPLING ENDED AT:	0917
PUMP OR TUBING DEPTH IN WELL (feet):	9.65	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: X N Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE: X 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 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

Draft

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: feet to 14.67 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: 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	brn	none
0937	1.0	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** = 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: 0940	SAMPLING ENDED AT: 0946
PUMP OR TUBING DEPTH IN WELL (feet): 7.65	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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** = 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

Draft

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: feet to	5.68 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)
= (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):	9.08	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	Brn	none
1002	0.5	1.5	↓	7.20	6.00	24.9	290.1	2.3	12.6	Brn	none
1004	0.5	2.0	↓	7.20	6.00	24.9	292.2	1.9	11.8	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:	1004	SAMPLING ENDED AT:	1010
PUMP OR TUBING DEPTH IN WELL (feet):	9.08	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: X N Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE:	X N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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 14.72 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)
= (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): 10.35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.35	PURGING INITIATED AT: 1022	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (gallons): 5.0

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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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 Stope ~~in~~ 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; **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

Draft

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: feet 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
7.74	7.74	1102	1121	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	0.4	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	3.5		5.84	6.39	26.3	334.7	1.3	18.7	Brn	none
1121	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"** = 0.0026; **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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
ED RAHRIG		1121	1127

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: X Y N	FILTER SIZE: ____ µm
7.74	PE	Filtration Equipment Type:	

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X 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** = 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

DRAFT

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:	feet to 14.68 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)
= (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):	8.36	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	SAMPLER(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: X N Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION:	PUMP X N	TUBING X N (replaced)		DUPLICATE: X N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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: 3/3/2018

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL? DEPTH: feet to 19.35 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
12.20	12.20	1200	1210	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	6.88	26.0	747	2.9	3.72	yel	none
1210	0.5	1.5	↓	10.30	6.90	26.0	743	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 = 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: 1210	SAMPLING ENDED AT: 1216
PUMP OR TUBING DEPTH IN WELL (feet): 12.20	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-18	1	PE	100 ML	NONE	–	–	AS	PP	0.15
MW-18	1	PE	100 ML	HNO3	–	–	AS	PP	0.15

REMARKS: ORP – 70.1, 72.4 Stops 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 = 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

Draft

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: feet 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)
= (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: 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 = 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: 1233	SAMPLING ENDED AT: 1240
PUMP OR TUBING DEPTH IN WELL (feet): 7.80	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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 N (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 = 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

Draft

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: feet to 14.66 feet	STATIC DEPTH TO WATER (feet): ~~4.88~~ 4.68 gr	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 gr = gallons + (6.60 gr 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) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
gr 1255 / 1259 ~~1355~~	1.0	1.0	0.21	4.68	7.14	24.6	453.1	1.9	94.3	yel	none
~~1359~~	1.0	2.0	↓	4.68	7.14	24.7	448.7	1.3	38.3	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): 0.75" = 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: 1310	SAMPLING ENDED AT: 1316
PUMP OR TUBING DEPTH IN WELL (feet): 6.60	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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: ± 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

DRAFT

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.

Draft

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.

Draft

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

Draft

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

Draft

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.

Draft

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 hestitate 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

Draft

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, an d 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.

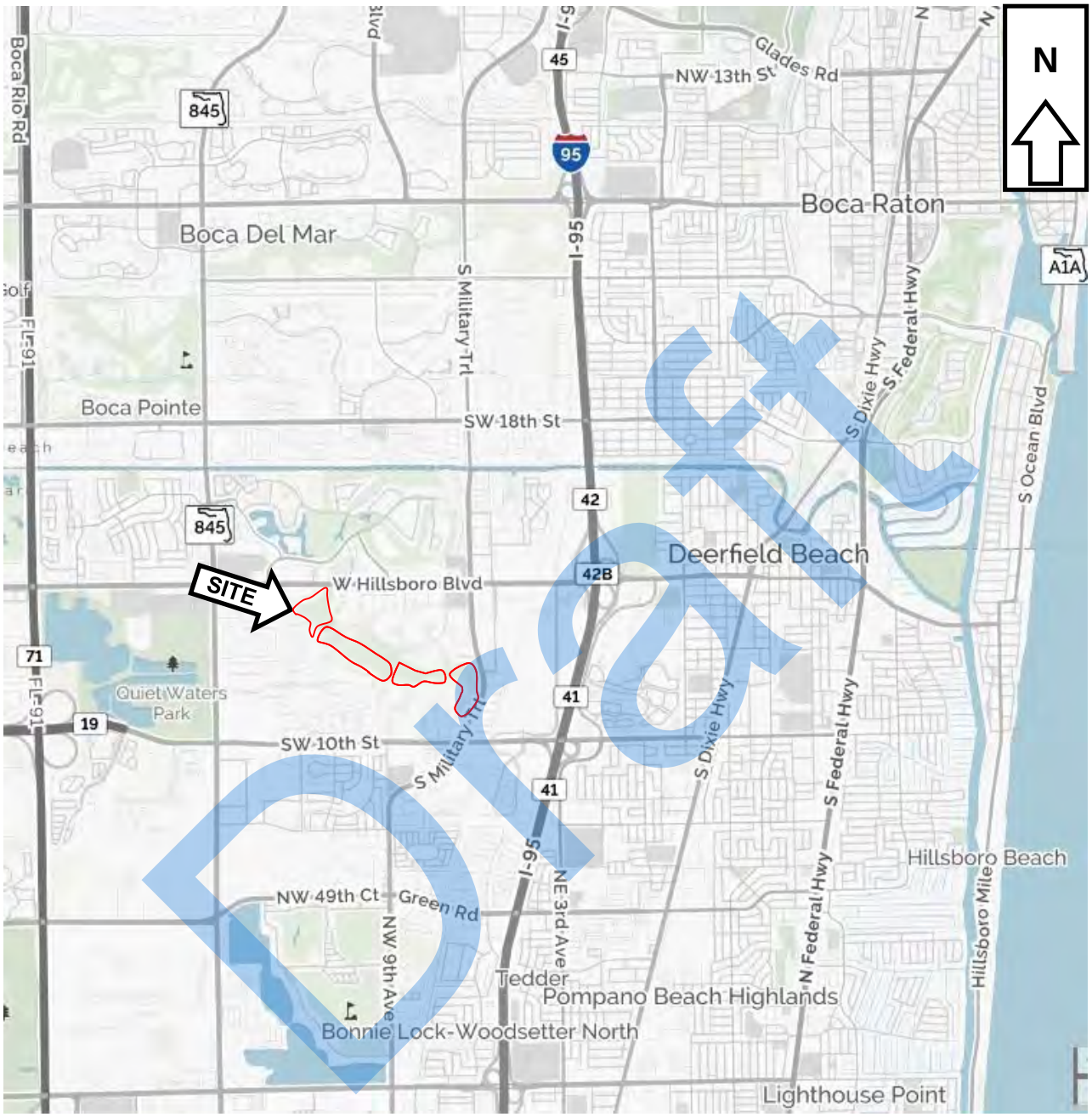
Moreover, I certify that Edward G. Rahrig, P.G., LLC is a single-member Limited Liability Corporation and is not required to hold an active certificate of authorization to provide geological services.

Prepared by:

Edward G. Rahrig, P.G.
Managing Member
Edward G. Rahrig, P.G., LLC

Date: May 22, 2017

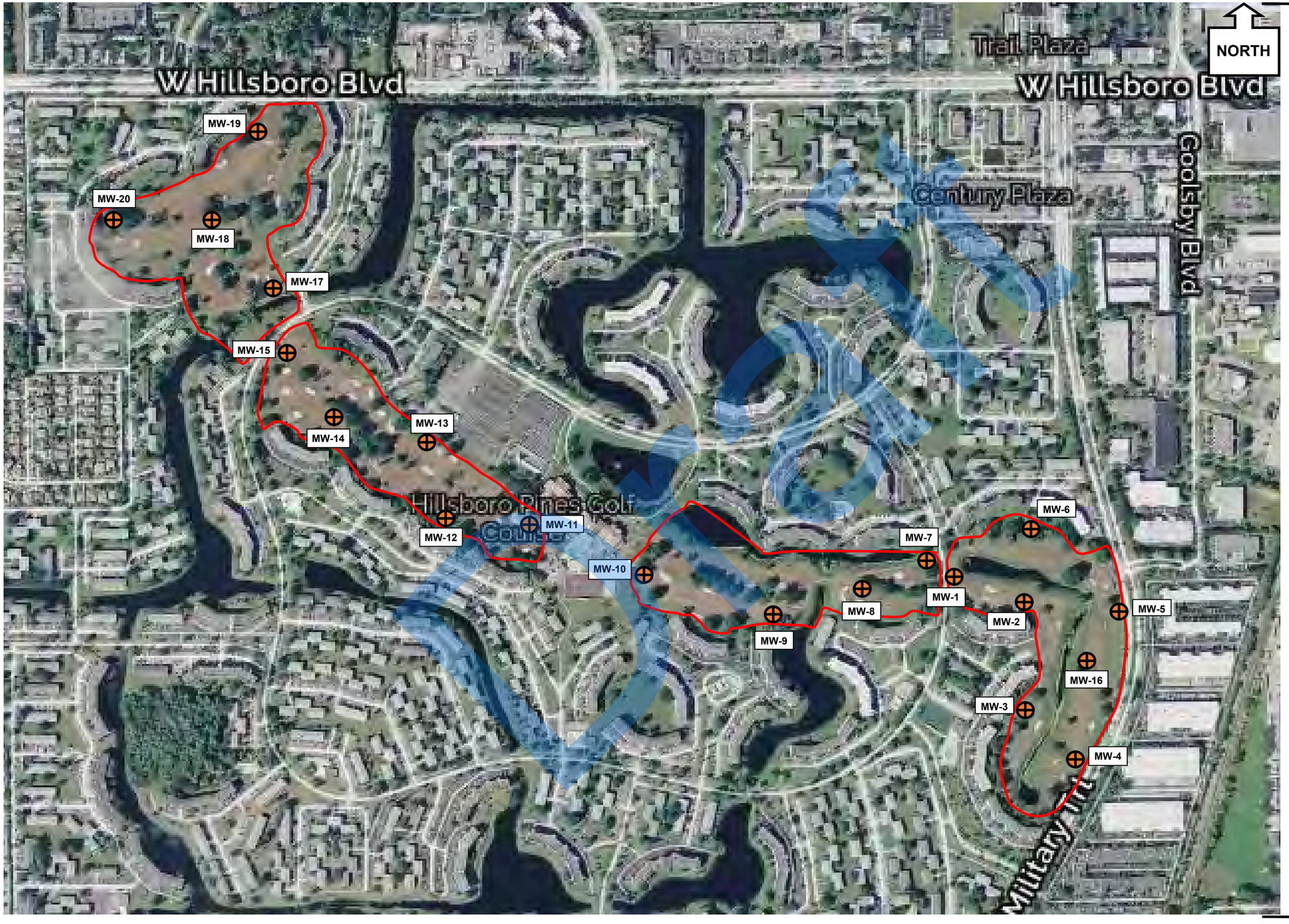
Draft



EDWARD G. RAHRIG, P.G., LLC
632 Southwest Aster Road
Port St. Lucie, FL 34953-2905
Tel: (561) 738-4667 Fax: (888) 848-0816

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



Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

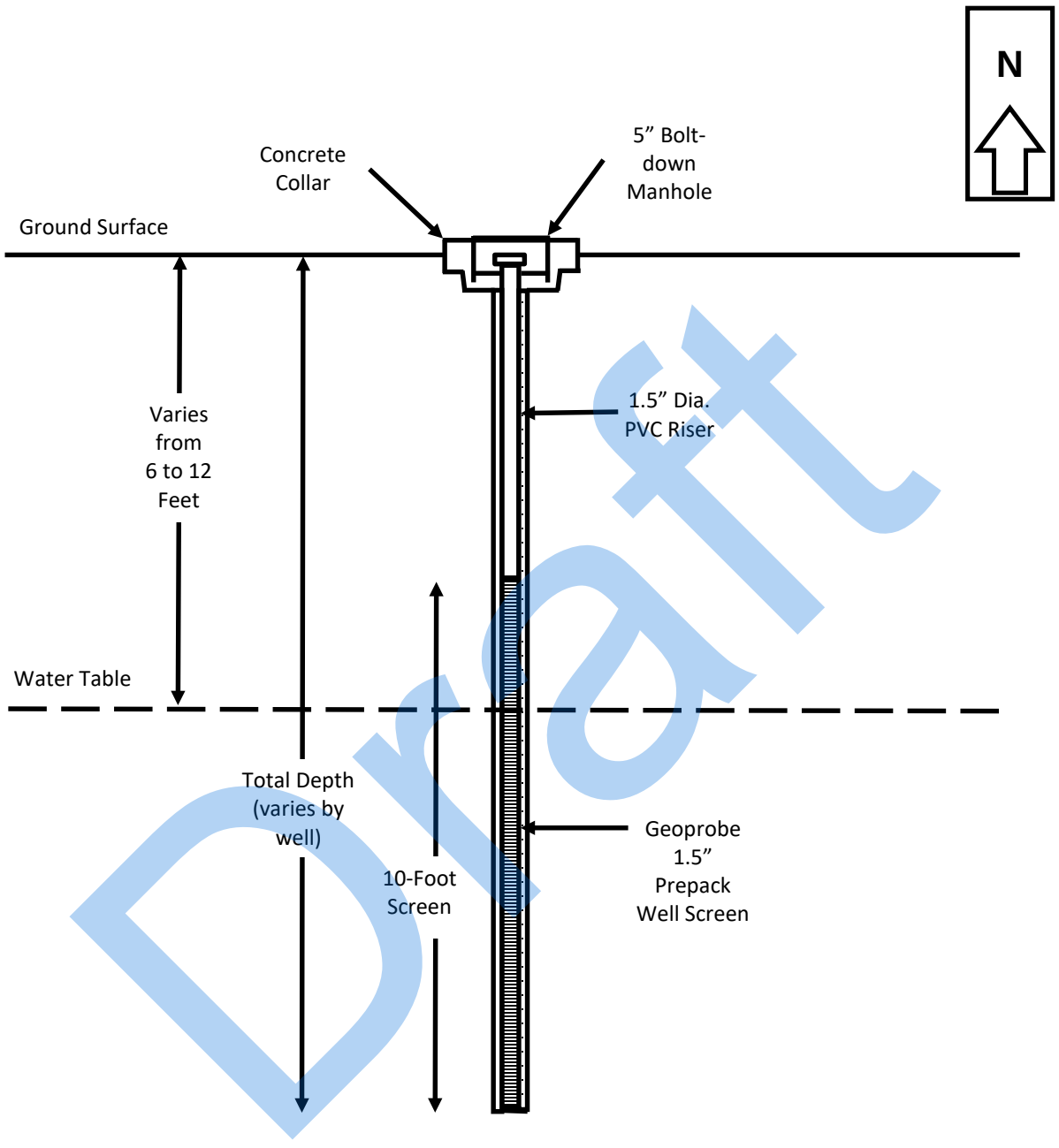
Date:	May 22, 2017	Figure No.:
Job No.:	62102.01	2
Drawn By	ER	

Monitor Well Location Map

EDWARD G. RAHRIG, P.G. LLC
632 Southwest Aster Road
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

LEGEND

⊕ Monitor Well Location



Draft

EDWARD G. RAHRIG, P.G., LLC
632 Southwest Aster Road
Port St. Lucie, FL 34953-2905
Tel: (561) 738-4667 Fax: (888) 848-0816

Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Monitor Well Construction Diagram Not to Scale	Drawn By ER	Date: May 22, 2017 Job No.: 62102.01	Figure No.: 3

Quarterly Monitoring Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Date:	May 22, 2017	Figure No.:
Job No.:	62102.01	4
Drawn By	ER	

Monitor Well Locations and First Quarter Groundwater Analytical Results

EDWARD G. RAHRIG, P.G. LLC
632 Southwest Aster Road
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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

Draft

	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

Draft

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

Draft

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 6-17-281WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✔ Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ 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 Jaee@bellsouth.net

*Contractor's Signature _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) w smitherman

DRAFT

*Permit No. 6-17-281WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	tan	m.f	sands
ft.	ft.			
ft.	ft.			
ft.	ft.		

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 6-17-282WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✓ Monitoring
____Test
____Earth-Coupled Geothermal
____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.)

DRAFT

*Permit No. 6-17-282WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	TAN	M/F	SAND
From ft.	To ft.	Color	Grain Size (F, M, C)	Material

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 6-17-280WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✓ Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) w smitherman

DRAFT

*Permit No. 6-17-280WP

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	Grain Size (F, M, C)	Material
0		15		TAN	M/F	SAND

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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
✓Site Investigation
✓Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) w smitherman

DRAFT

*Permit No. 6-17-279WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	TAN	M/F	SAND
From ft.	To ft.	Color	Grain Size (F, M, C)	Material

Palm Beach Environmental Laboratories, Inc.

Log #: 15405
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G. Rahrig, P.G., LLC
Address: 6328 SW Aster Ln.
City: Port St. Lucie State: FL Zip: 34953
Attn: Edward Rahrig Phone#: 561 7384667
email: Edrahrig@comcast.net
Project Name: Hillsboro Pines GC Proj#: 62102.01
Sampler Signature / Name: Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters: pH	PRES CODE	As-total	As-dissolved	4/13/17 PS pH As total
1	MW-1	4/13/17	0908	GW			2		ID	✓	✓	<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

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour, 48 Hour, Date Due

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: PS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	4/13/17	17:35		PBEL	4/13/17	17:35

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24496

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0613		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0333		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0340		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0055		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0230		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0361		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0533		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15413
PO #:
Quote #:
FDEP :

Company Name: Edward G. Rahrig, P.G. LLC
Address: 632 SW Aster Rd
City: Port St Lucie State: FL Zip: 34953
Attn: Ed Rahrig Phone#: 561-738-4667
email: Fax#:
Project Name: Hillsboro Pines Golf Course Proj#: 62102.01
Sampler Signature / Name: [signature] Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters: pH	As total	As dissolved	4/14/17 pH As DL
								PRES CODE	B I	I	
01	MW-5	4/14/17	945	GW			2		✓	✓	<2
02	MW-11		1033						✓	✓	<2
03	MW-12		1110						✓	✓	<2
04	MW-13		1147						✓	✓	<2
05	MW-14		1132						✓	✓	<2
06	MW-15		1306						✓	✓	<2
07	MW-17		1415						✓	✓	<2
08	MW-18		1446						✓	✓	<2
09	MW-19		1516						✓	✓	<2
10	MW-19d		1517						✓	✓	<2
11	MW-20		1553						✓	✓	

T.A.T. Request: Standard / RUSH
Y/N: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: [initials]

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	4/14/17	17:25	[signature]	PBEL	4/14/17	17:25

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 24 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Page 1 of 1

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24497

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0036	I	mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.1444		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0255		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0603		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0118		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0098		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0989		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0244		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0213		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

Draft

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 2017	

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)
= (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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 08:58	PURGING ENDED AT: 0908	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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X Y / N	TUBING X Y / N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (L per minute)
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

Draft

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	SAMPLER(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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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)
= (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): 9.64	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	CLR	none
1001	1.0	2.0	0.2	7.72	6.76	26.3	771	0.9	16.0	CLR	none
1004	0.5	2.5	0.2	7.72	6.76	26.1	767	0.7	9.36	CLR	none
1007	0.5	3.0	0.2	7.72	6.76	26.4	762	0.6	8.08	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): 9.64	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3	1	PE	100 ML	NONE	—		AS	PP	0.2 gpm
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

Draft

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	SAMPLER(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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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

Draft

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 7.72 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)
= (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 0914 GR feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	PURGING INITIATED AT: 0917	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) µmhos/cm or mS/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** = 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: 0945	SAMPLING ENDED AT: 0955
PUMP OR TUBING DEPTH IN WELL (feet): 12.08	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5	1	PE	100 ML	NONE	–		AS	PP	0.13 gpm
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** = 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

Draft

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)
1136	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** = 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: 1143	SAMPLING ENDED AT: 1150

PUMP OR TUBING DEPTH IN WELL (feet): 11.29	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X 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 gpm
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** = 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

Draft

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: 3.5 feet to 13.5 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)
= (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): 8.73	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):	SAMPLING INITIATED AT: 1257	SAMPLING ENDED AT: 1305
PUMP OR TUBING DEPTH IN WELL (feet): 8.73	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N	FILTER SIZE: ____ µm
		Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL~~ per minute)
MW-7	1	PE	100 ML	NONE	—		AS	PP	0.15 GPM
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

Draft

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 Apr. 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): 7.40 ~~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)
= (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): 9.40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.40	PURGING INITIATED AT: 1317	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons): 4.0

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** = 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: 1340	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 9.40	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE ~~(mL per minute)~~ GPM
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** = 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

Draft

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 14.62 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	246	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: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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: 4.4 feet to 14.4 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)
= (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): 9.03	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.03	PURGING INITIATED AT: 1433	PURGING ENDED AT: 1500	TOTAL VOLUME PURGED (gallons): 4.0

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)
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** = 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: 1500	SAMPLING ENDED AT: 1575
PUMP OR TUBING DEPTH IN WELL (feet): 9.03	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: ~~PUMP~~ X N	~~TUBING~~ X N (replaced)	~~DUPLICATE:~~ X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per~~ minute)
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** = 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

Draft

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 Apr 2017		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5"	0.25"	feet to feet	8.48'	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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
10.48	10.48	1008	1033	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	yellowish brown	
1026	1.0	2.0	↓	8.62	6.57	26.6	275	1.2	61.1	yellowish brown	
1026	1.0	3.0		8.67	6.52	26.6	262	1.3	67.9	yellowish brown	
1033	1.0	4.0		8.67	6.47	26.6	250	1.3	62.2	yellowish brown	

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
ED RAHRIG		1033	1040

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
	PE		

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE ~~(mL per minute)~~ gpm
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

Draft

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

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	Yel Cldy	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** = 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: 1110	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 8.41	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N (circle) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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** = 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

Draft

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: 4.68 feet to 14.68 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)
= (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): 9.90	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	Copious
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):	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1155
PUMP OR TUBING DEPTH IN WELL (feet): 9.90	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~ gpm)
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; **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

Draft

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	

PURGING DATA

4.60 14.60 GR

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.60 feet to 14.60 feet GR	STATIC DEPTH TO WATER (feet): 9.12	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)
GR = gallons + (GR gallons/foot X GR feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	PURGING INITIATED AT: 1106	PURGING ENDED AT: 1132	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)
1113	1.0	1.0	0.15	9.30	6.19	26.4	194.7	0.9	222	brn cldy	none
1118	1.0	2.0	↓	9.30	6.17	26.4	194.4	0.7	207	brn cldy	none
1125	1.0	3.0	↓	9.30	6.14	26.4	191.7	1.0	209	brn cldy	none
1132	1.0	4.0	↓	9.30	6.11	26.6	187.7	1.1	197	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):	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 11.12	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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	0.15
MW-14	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

Draft

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 Apr, 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4,66 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): 4,0

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)
1250	1,0	1,0	0,19	6,54	6,66	26,5	405,9	1,3	317 brn cldy		None
1256	1,0	2,0	↓	6,54	6,64	26,5	391,0	0,5	237 brn cldy		None
1300	1,0	3,0		6,54	6,62	26,4	375,2	0,4	170 brn cldy		None
1306	1,0	4,0	↓	6,54	6,59	26,3	360,2	0,2	157 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 = Bladdar 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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
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 = 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

DRAFT

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	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** = 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: 1110	SAMPLING ENDED AT: 1115
PUMP OR TUBING DEPTH IN WELL (feet): 12.62	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
MW-16	1	PE	100 ML	NONE	–		AS	PP	0.15
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** = 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

Draft

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 Apr 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 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)
= (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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X	N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
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** = 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

Draft

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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
~~FIELD DECONTAMINATION:~~ ~~PUMP~~ X N	~~TUBING~~ X N (replaced)	~~DUPLICATE:~~ X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
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)

Revision Date: February 12, 2009

Draft

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):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5"	0.25"	4.64 - 14.64 feet	6.58	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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
8.58	8.58	1505	1516	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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
ED RAHRIG		1516	1535

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
8.58	PE		

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-19	2	PE	100 ML	NONE	~		AS	PP	0.18
MW-19	2	PE	100 ML	HNO3	~		AS	PP	0.18
	(ER)								

gpm

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; 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

Draft

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 Apr. 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 44.66 feet to 54.66 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)
= (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 1500 feet) + gallons = gallons

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	197	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** = 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: 1553	SAMPLING ENDED AT: 1610
PUMP OR TUBING DEPTH IN WELL (feet): 7.35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~)
MW-20	1	PE	100 ML	NONE	—		AS	PP	0.17
MW-20	1	PE	100 ML	HNO3	✓		AS	PP	0.17

FPH

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

Draft

Edward G. Rahrig, P.G. LLC
1086 SW Sultan Drive
Port St. Lucie, FL 34953

561-738-4667
edrahrig@comcast.net

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.

Draft

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 Februrary of 2017. Twelve (12) soil borings (B-1 through B-12) were advanced using

Draft

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.

Draft

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

Draft

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.

Draft

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

Draft

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.

Draft

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

Draft

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 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.

Draft

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).

Draft

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

Draft

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 asumptions 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

Draft

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.

Draft

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

Draft

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

Draft

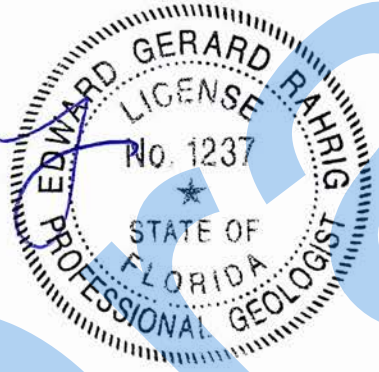
5 will also require exposure control in the form of Engineering and Institutional Controls requiring capping of residential areas not covered by building slabs, driveways, and roadways, and a groundwater use restriction.

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,

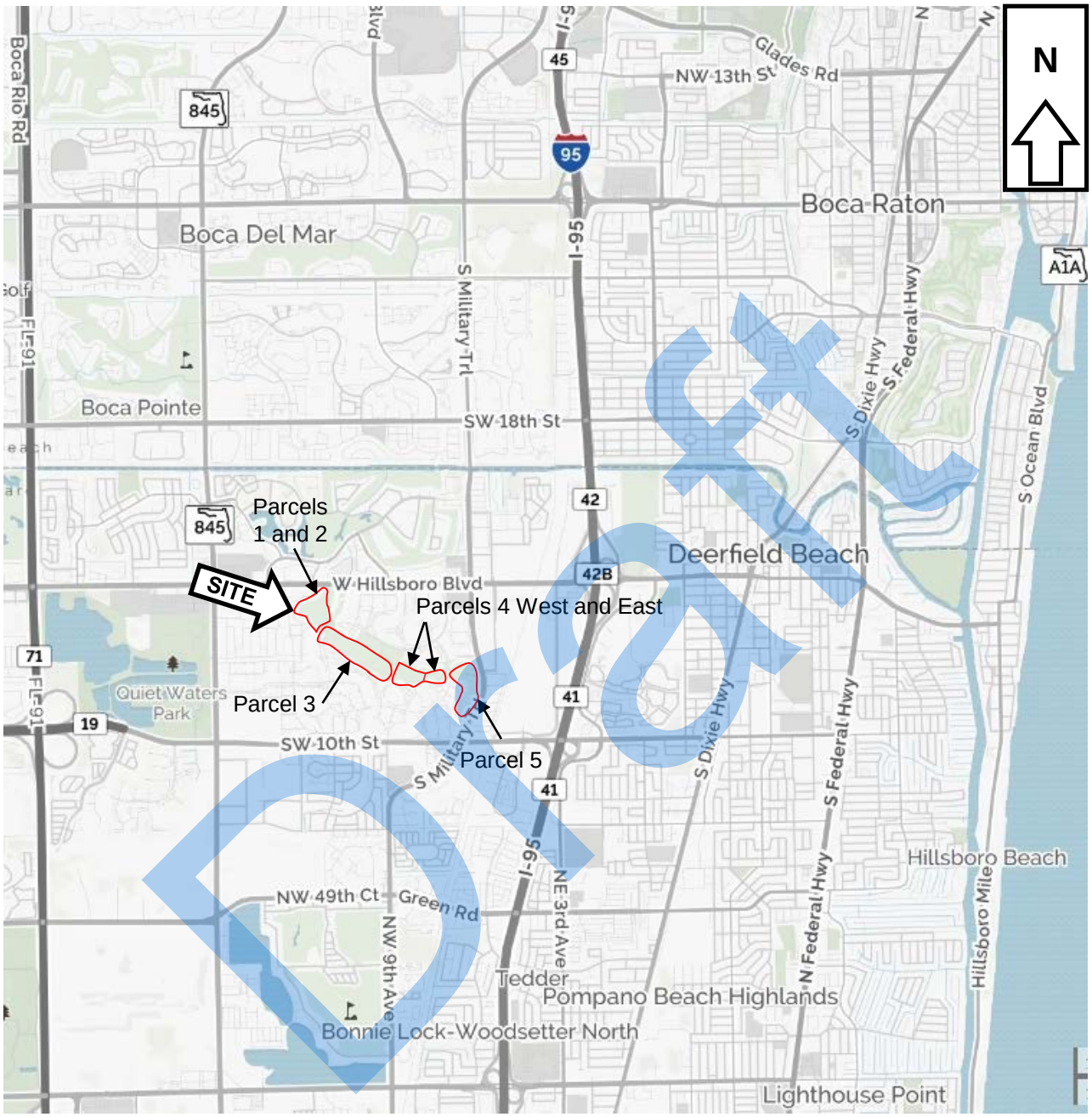


Edward G. Rahrig, P.G.
Environmental Consultant
FL P.G. License No. 1237

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

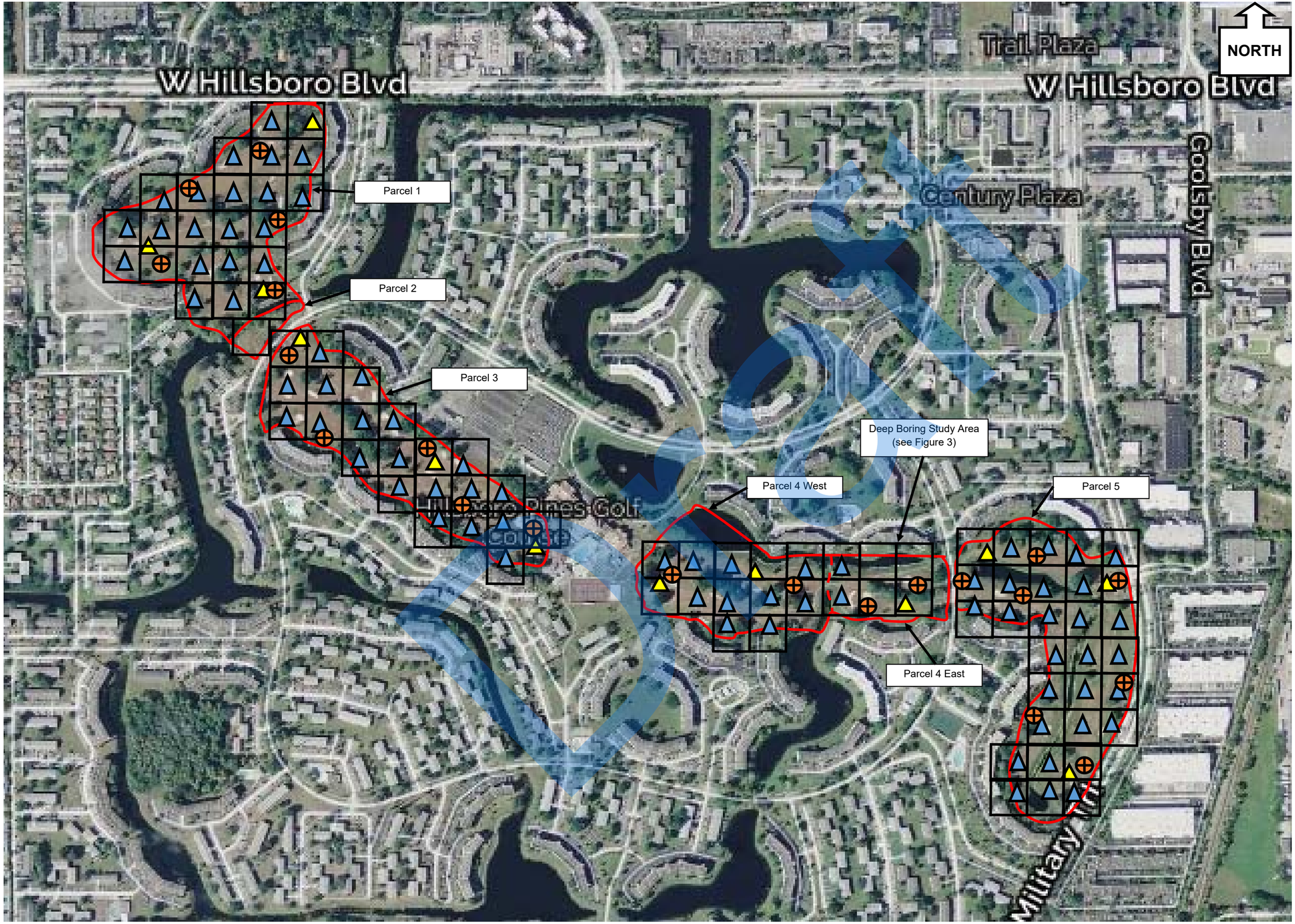
Draft



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
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 ER	Date: November 13, 2017 Job No.: 62102.04	Figure No.: 1



Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Figure No.: 2

Date: November 13, 2017

Job No.: 62102.00

Drawn By: ER

Soil Boring, EU, and Monitor Well General Location Map

EDWARD G. RAHRIG, P.G. LLC
1086 SW Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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

Drawn By	Date:	Figure No.:
ER	November 13, 2017	3
	Job No.: 62102.04	

Deep Soil Boring, EU, and Monitor Well General Location Map

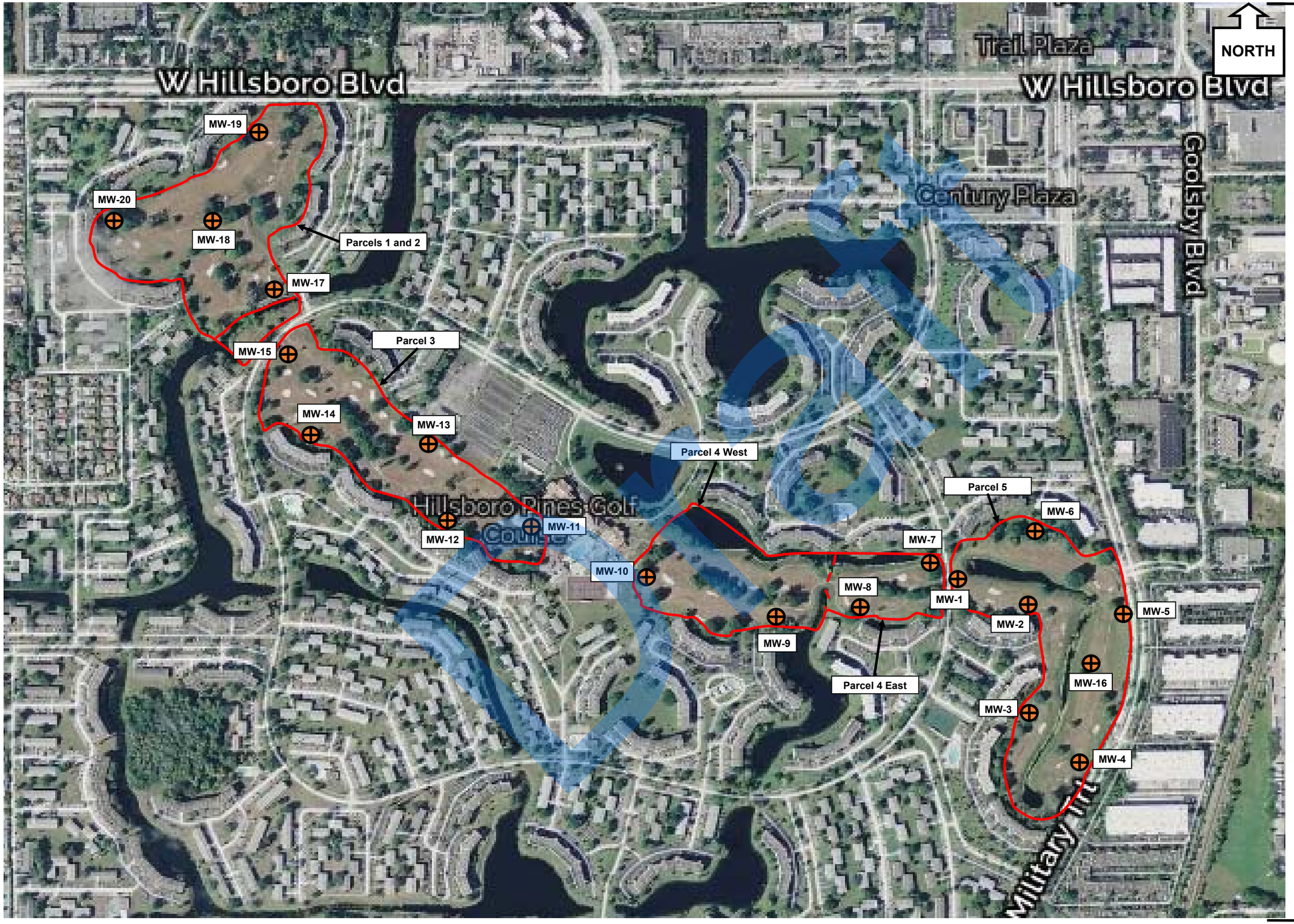
EDWARD G. RAHRIG, P.G. LLC
1086 Southwest Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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

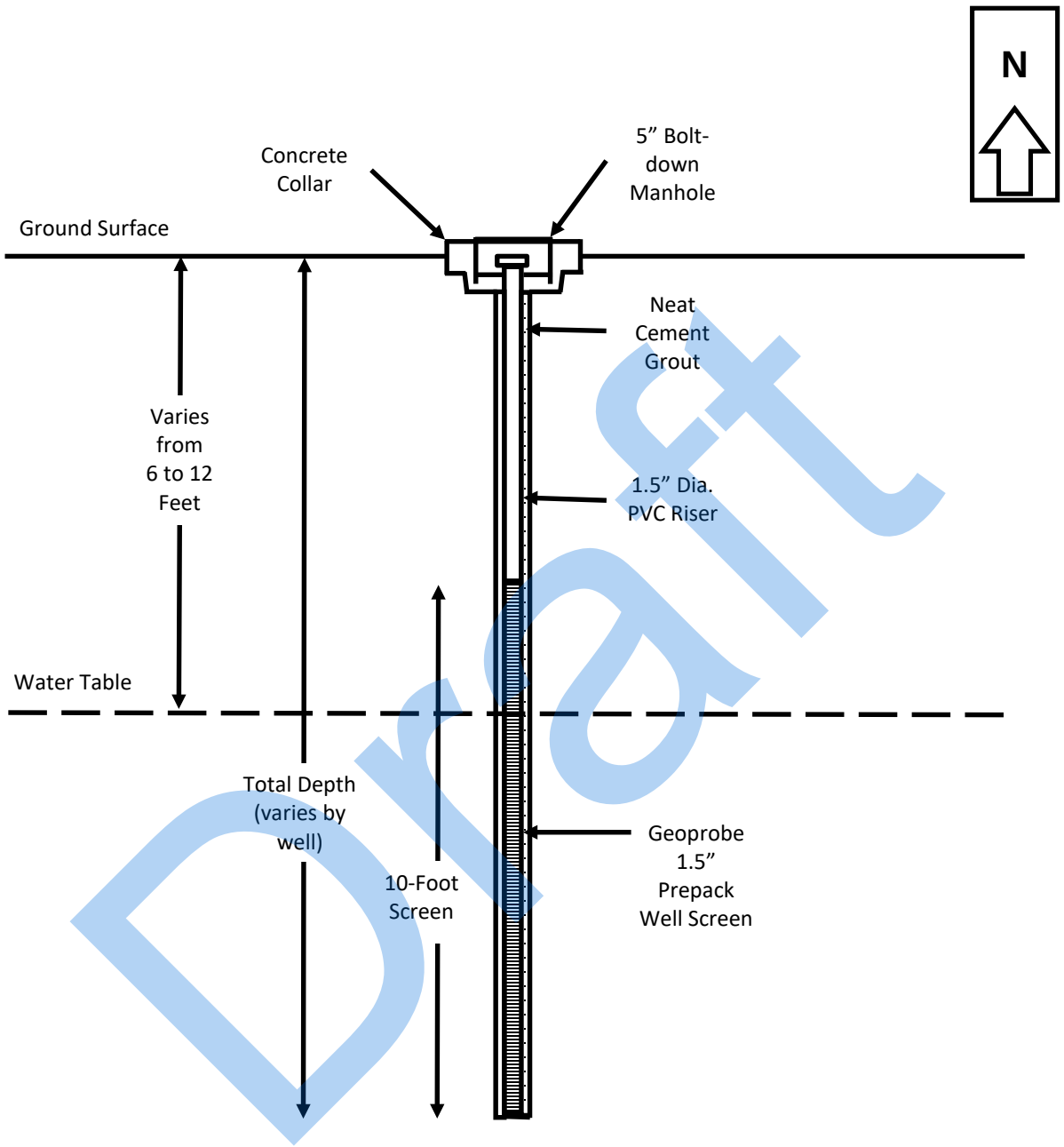
Figure No.:	4
Date:	November 13, 2017
Job No.:	62102.04
Drawn By	ER

Monitor Well Location Map

EDWARD G. RAHRIG, P.G. LLC
1086 Southwest Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

LEGEND

⊕ Monitor Well Location

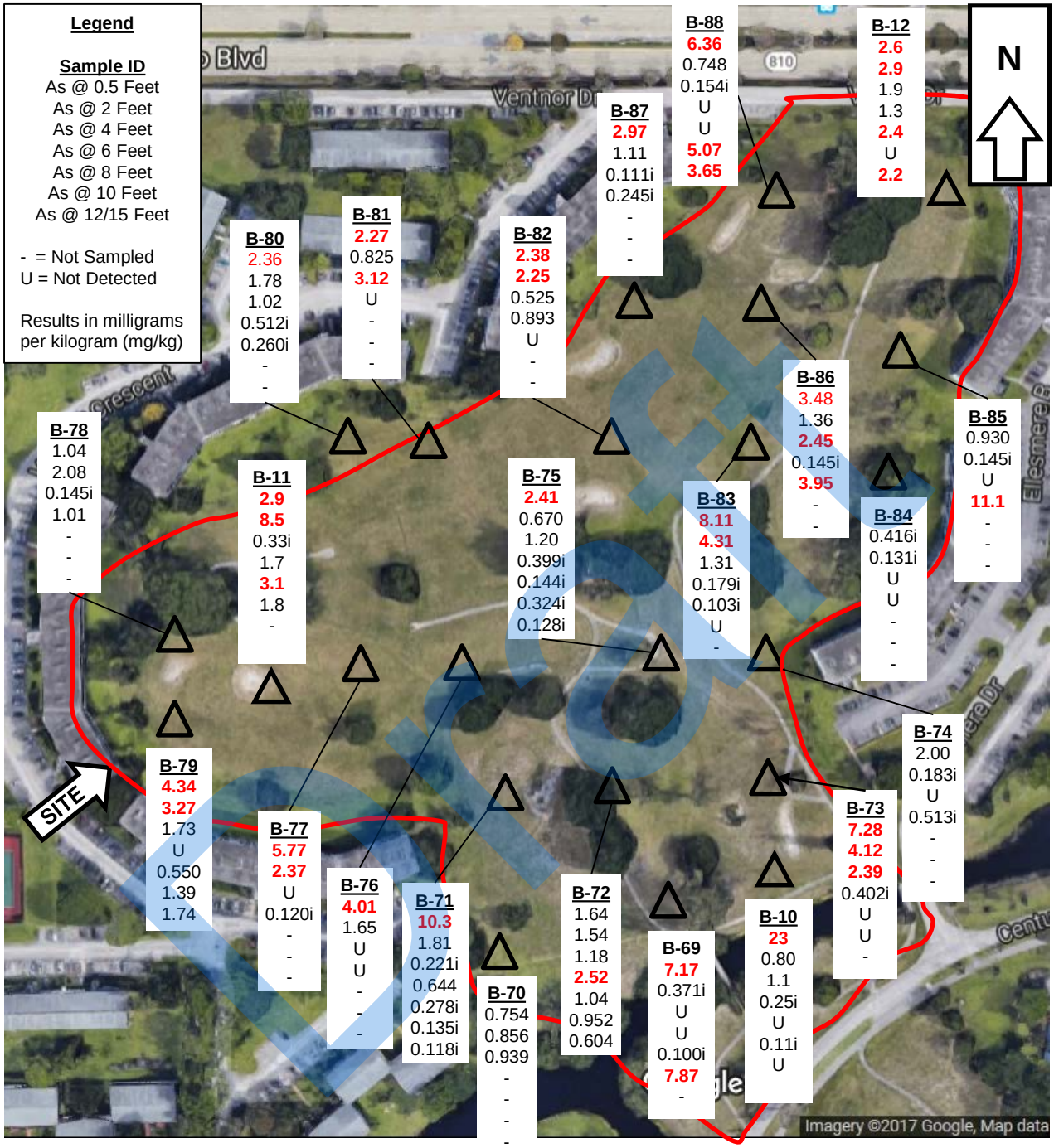


Draft

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Aster Road
Port St. Lucie, FL 34953-2905
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

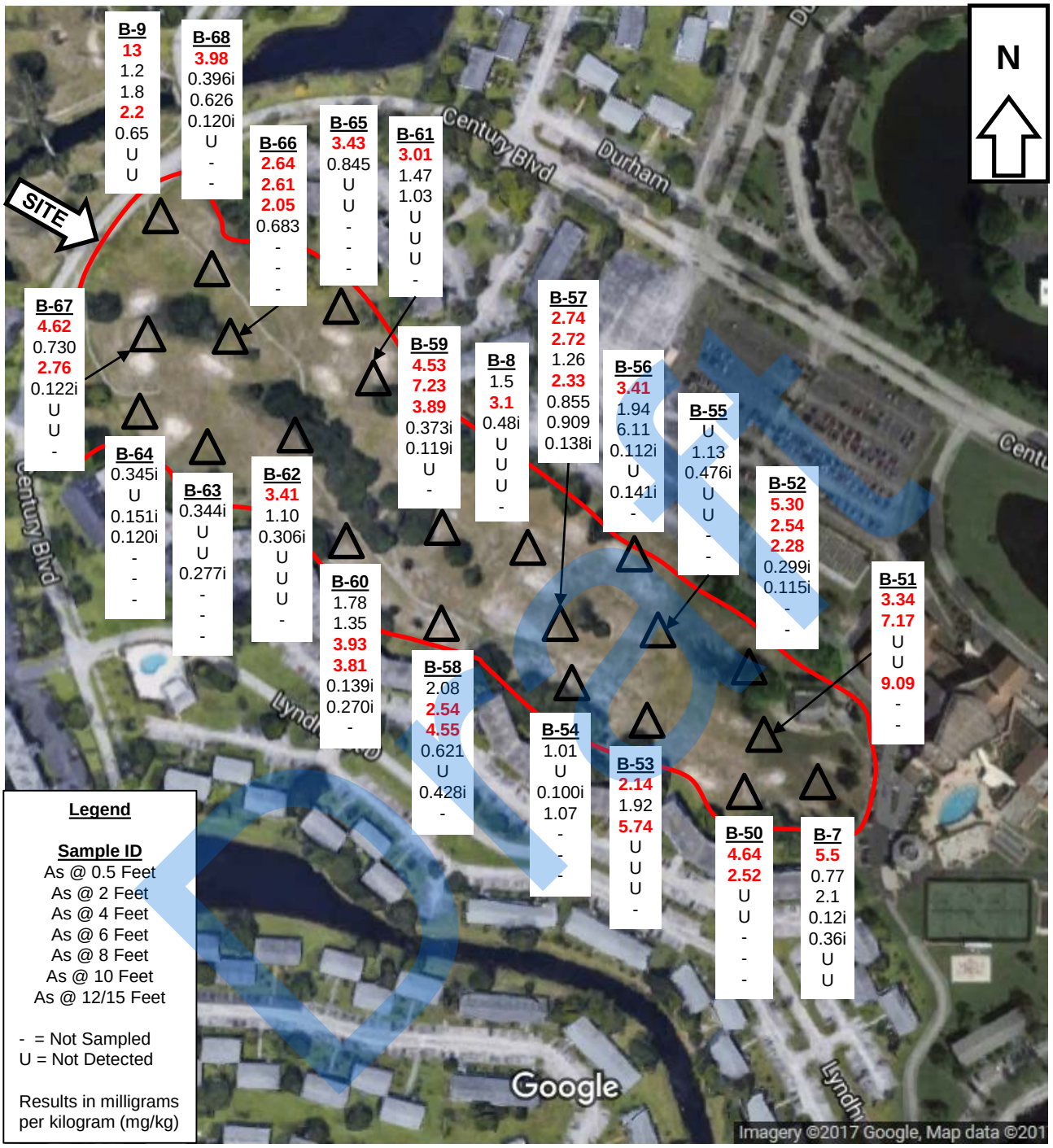
Monitor Well Construction Diagram Not to Scale	Drawn By ER	Date: November 13, 2017 Job No.: 62102.04	Figure No.: 5



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

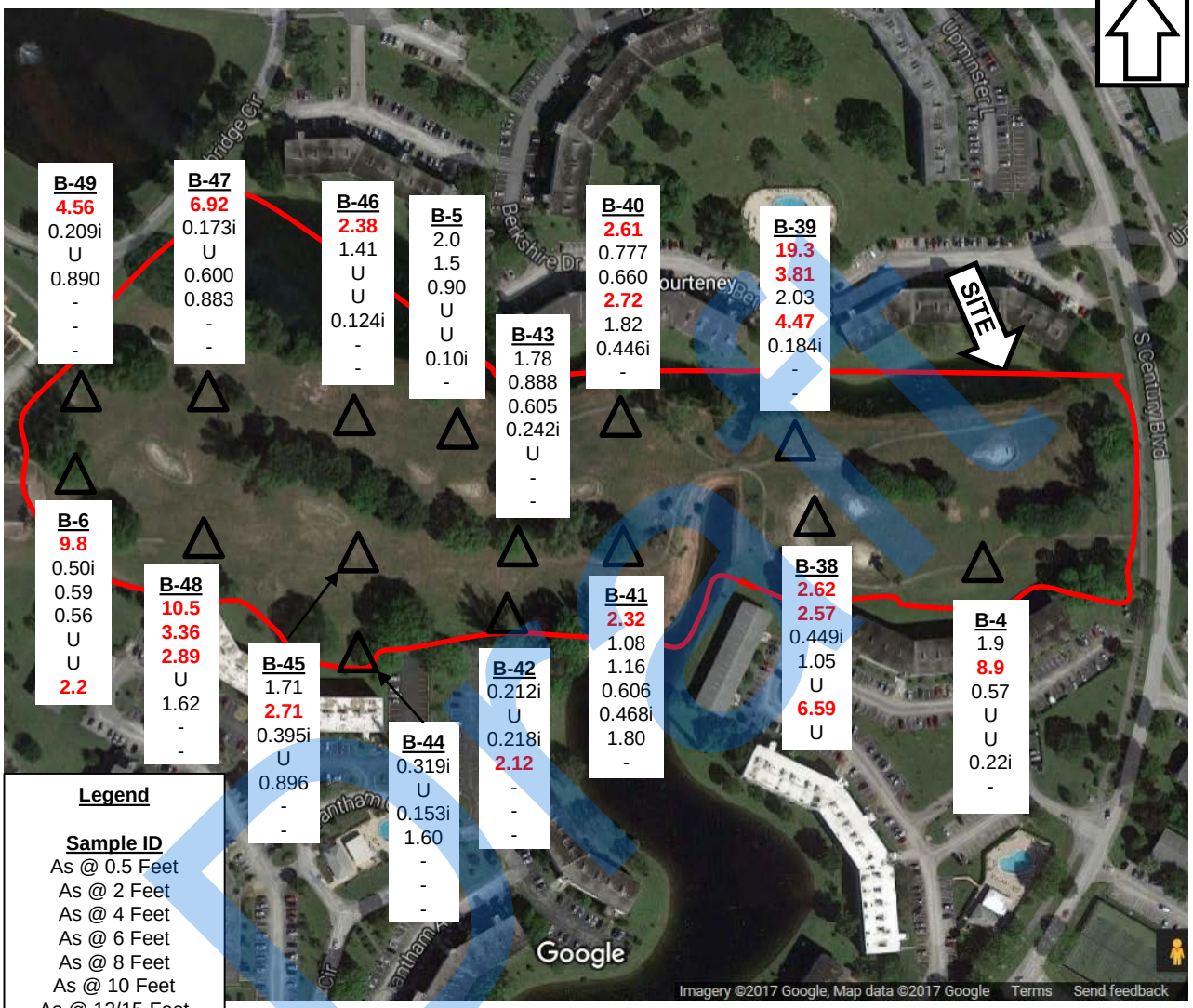
Soil Analytical Results (mg/kg) For Parcels 1 and 2	Drawn By: ER	Date: November 13, 2017	Figure No.: 6a
		Job No.: 62102.04	



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

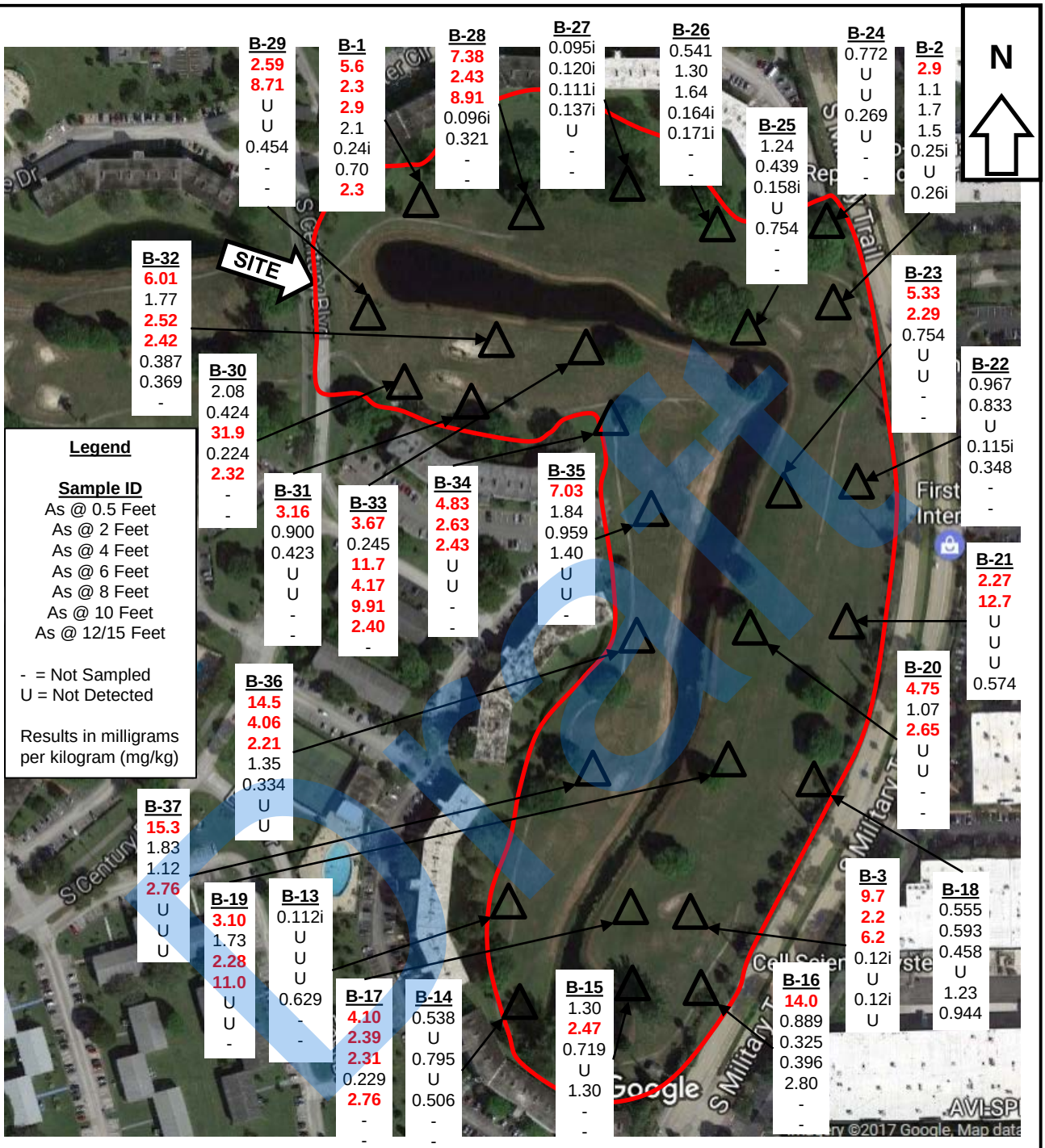
Soil Analytical Results (mg/kg) For Parcel 3	Drawn By: ER	Date: November 13, 2017	Figure No.: 6b
		Job No.: 62102.04	



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

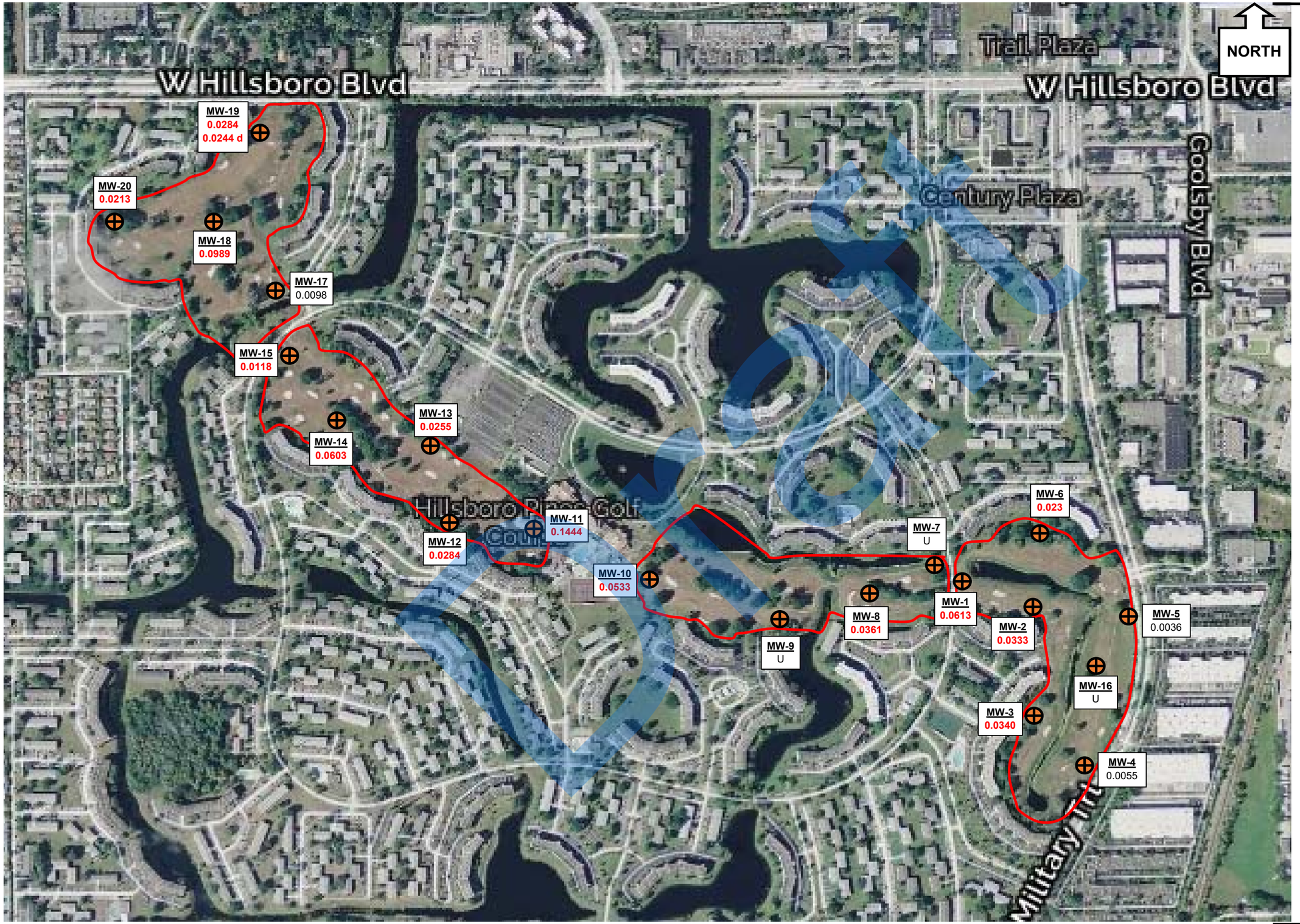
Soil Analytical Results (mg/kg) For Parcels 4 West and 4 East	Drawn By ER	Date: November 13, 2017 Job No.: 62102.04	Figure No.: 6c



EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Soil Analytical Results (mg/kg) For Parcel 5	Drawn By: ER	Date: November 13, 2017	Figure No.: 6d
		Job No.: 62102.03	



Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Date:	November 13, 2017	Figure No.:
Job No.:	62102.04	7a
Drawn By	ER	

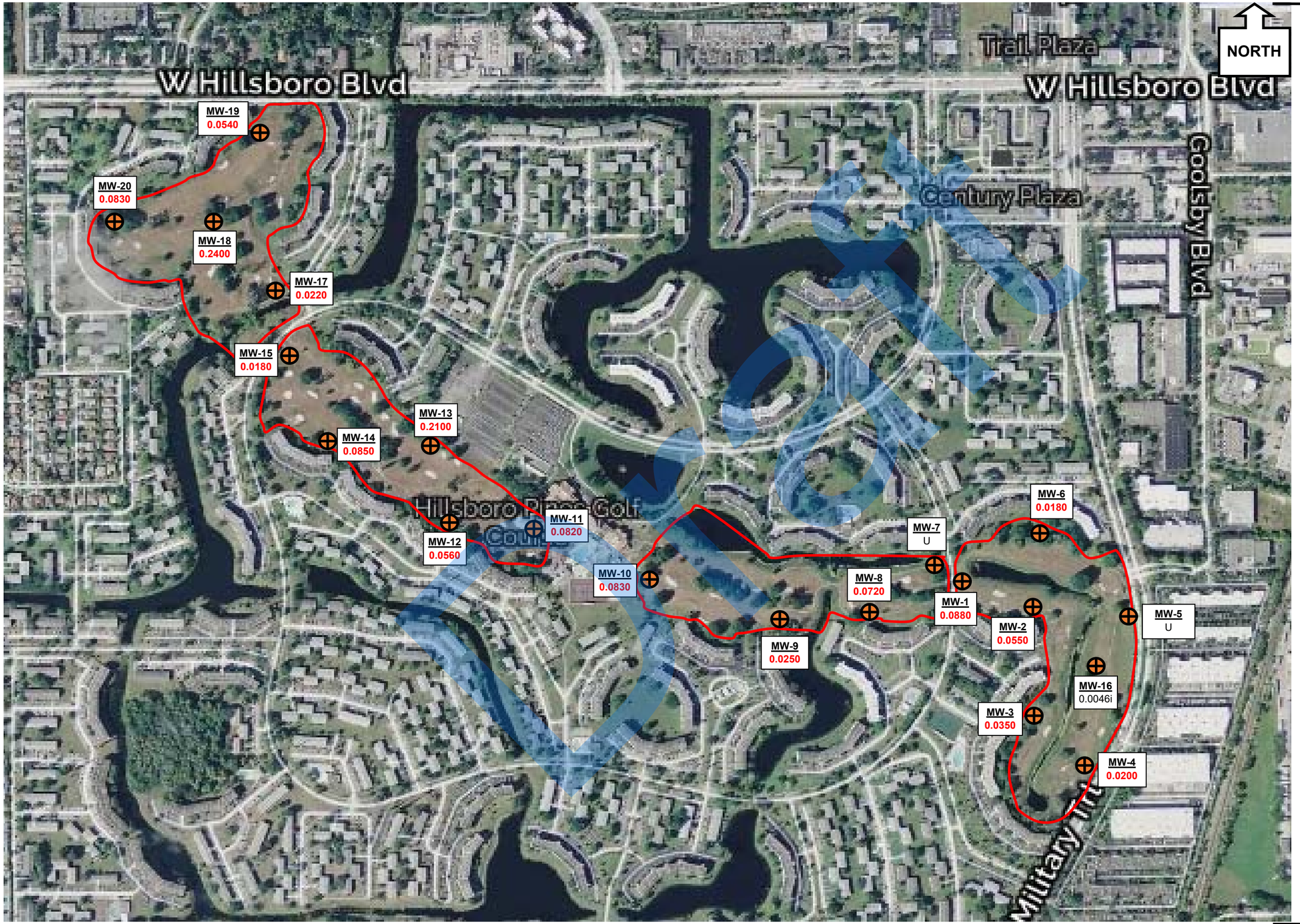
Sampling Event #1
Groundwater Analytical Results
April 13 and 14, 2017

EDWARD G. RAHRIG, P.G. LLC
1086 Southwest Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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



Site Assessment 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

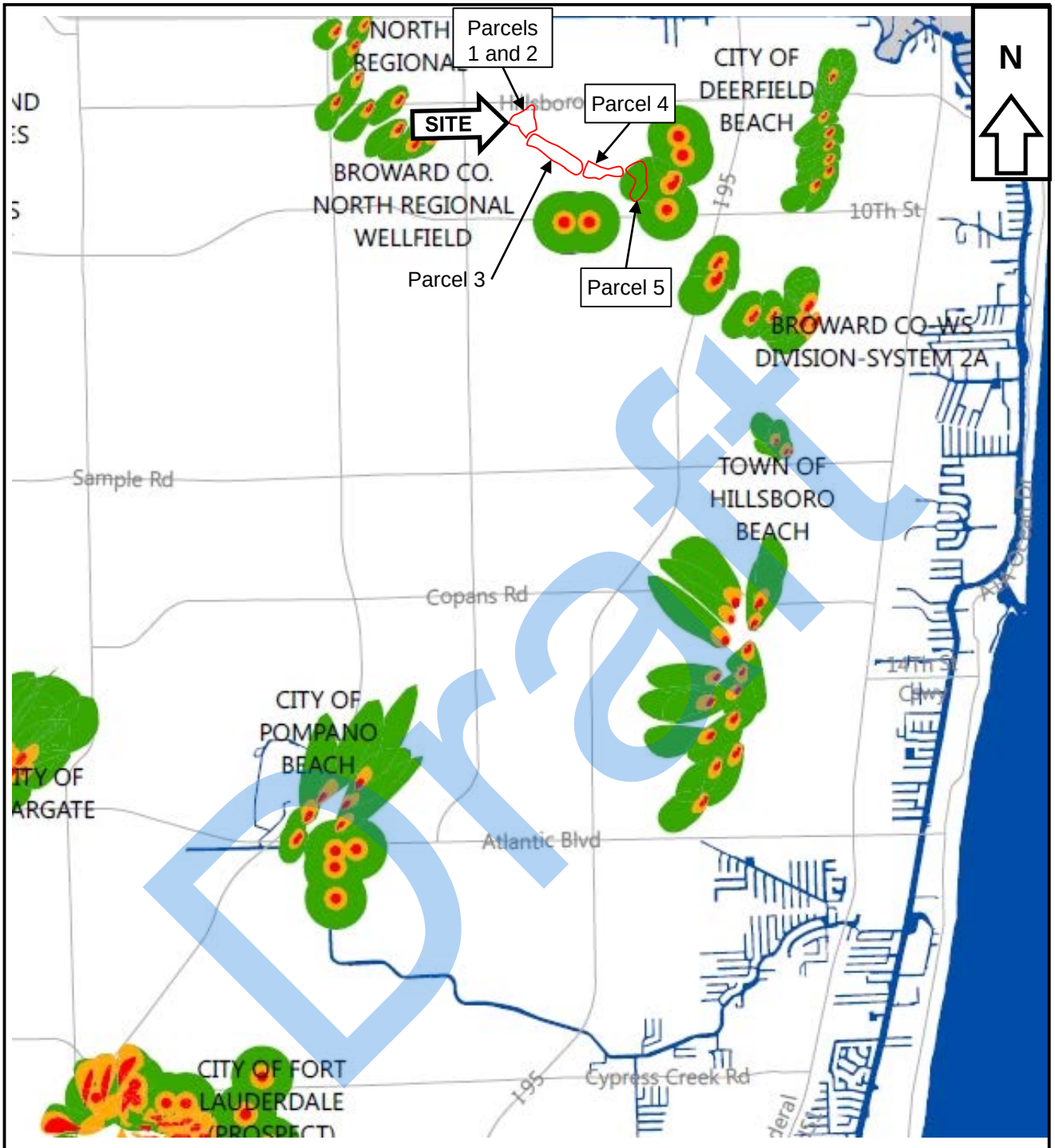
Sampling Event #2
Groundwater Analytical Results
August 16 and 17, 2017

Figure No.:	Date:	Drawn By
7b	November 13, 2017	ER
	Job No.: 62102.04	

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



Draft

EDWARD G. RAHRIG, P.G., LLC
1086 Southwest Sultan Drive
Port St. Lucie, FL 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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 ER	Date: November 13, 2017 Job No.: 62102.04	Figure No.: 8

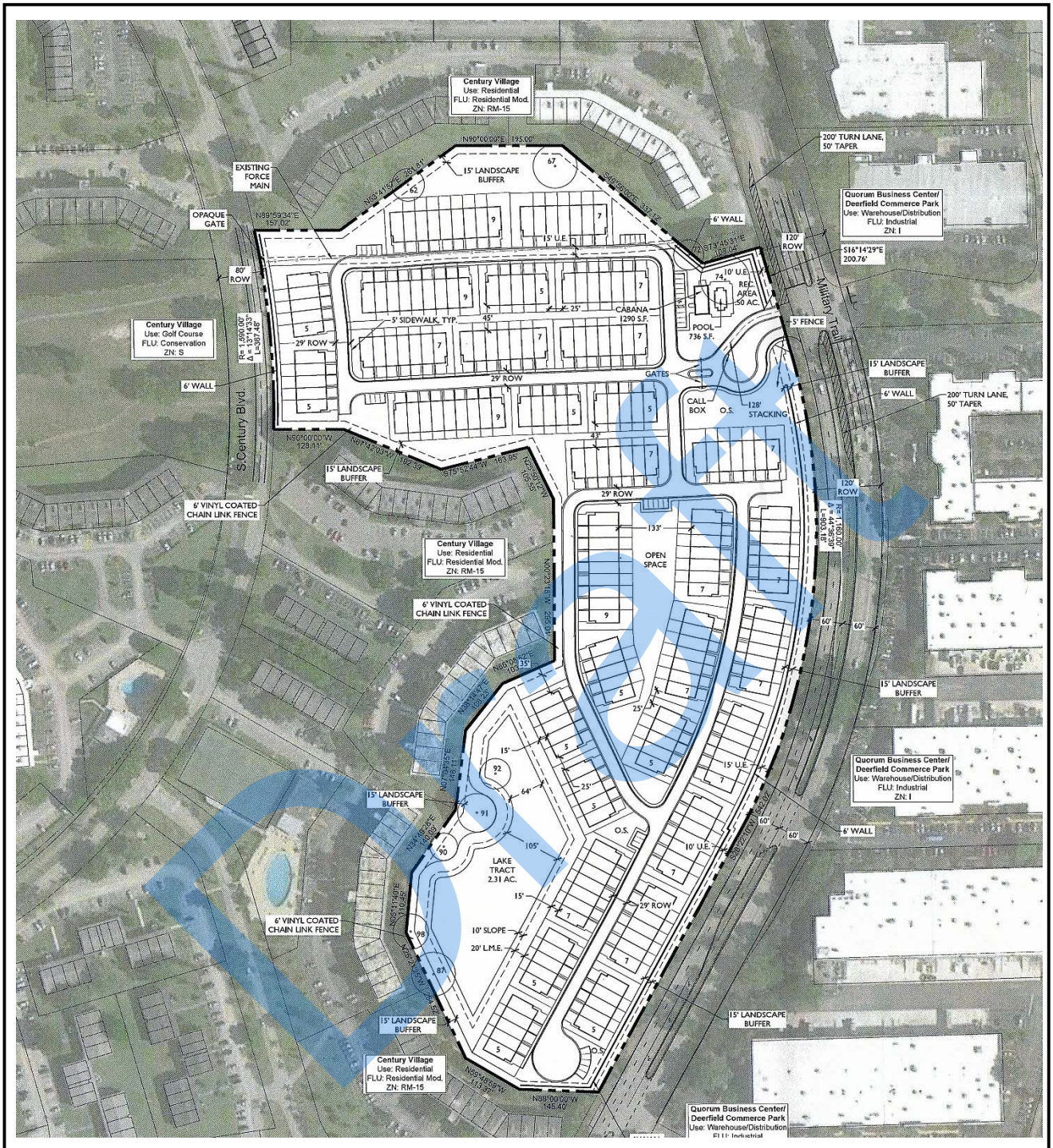

Century Village
Use: Residential
FLU: Residential Mod.
ZN: RM-15
N90°00'00"E 195.00'
15' LANDSCAPE BUFFER
EXISTING FORCE MAIN
OPAQUE GATE
N89°59'34"E 157.02'
80' ROW
Century Village
Use: Golf Course
FLU: Conservation
ZN: S
R = 1,500.00'
Δ = 13°14'23"
L = 346.66'
6' WALL
S.Century Blvd.
29' ROW
5' SIDEWALK, TYP.
45'
25'
CABANA
1290 S.F.
POOL
736 S.F.
10' U.E.
REC. AREA
.50 AC.
6' WALL
200' TURN LANE, 50' TAPER
Quorum Business Center/
Deerfield Commerce Park
Use: Warehouse/Distribution
FLU: Industrial
ZN: I
120' ROW
S16°14'29"E 200.76'
5' FENCE
Miliani Trail
GATES
CALL BOX
O.S.
128' STACKING
15' LANDSCAPE BUFFER
6' VINYL COATED CHAIN LINK FENCE
N90°00'00"W 128.11'
N07°45'34"E 165.95'
S75°52'44"W 165.95'
N82°14'26"W 165.95'
OPEN SPACE
133'
N82°14'26"E 165.95'
N89°05'52"E 105.35'
N38°14'47"E 109.11'
N38°14'47"E 109.11'
N38°14'47"E 109.11

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

Draft

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)
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

Draft

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

Draft

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	-	-

Draft

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	-

Draft

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

Draft

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

Draft

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**

Draft

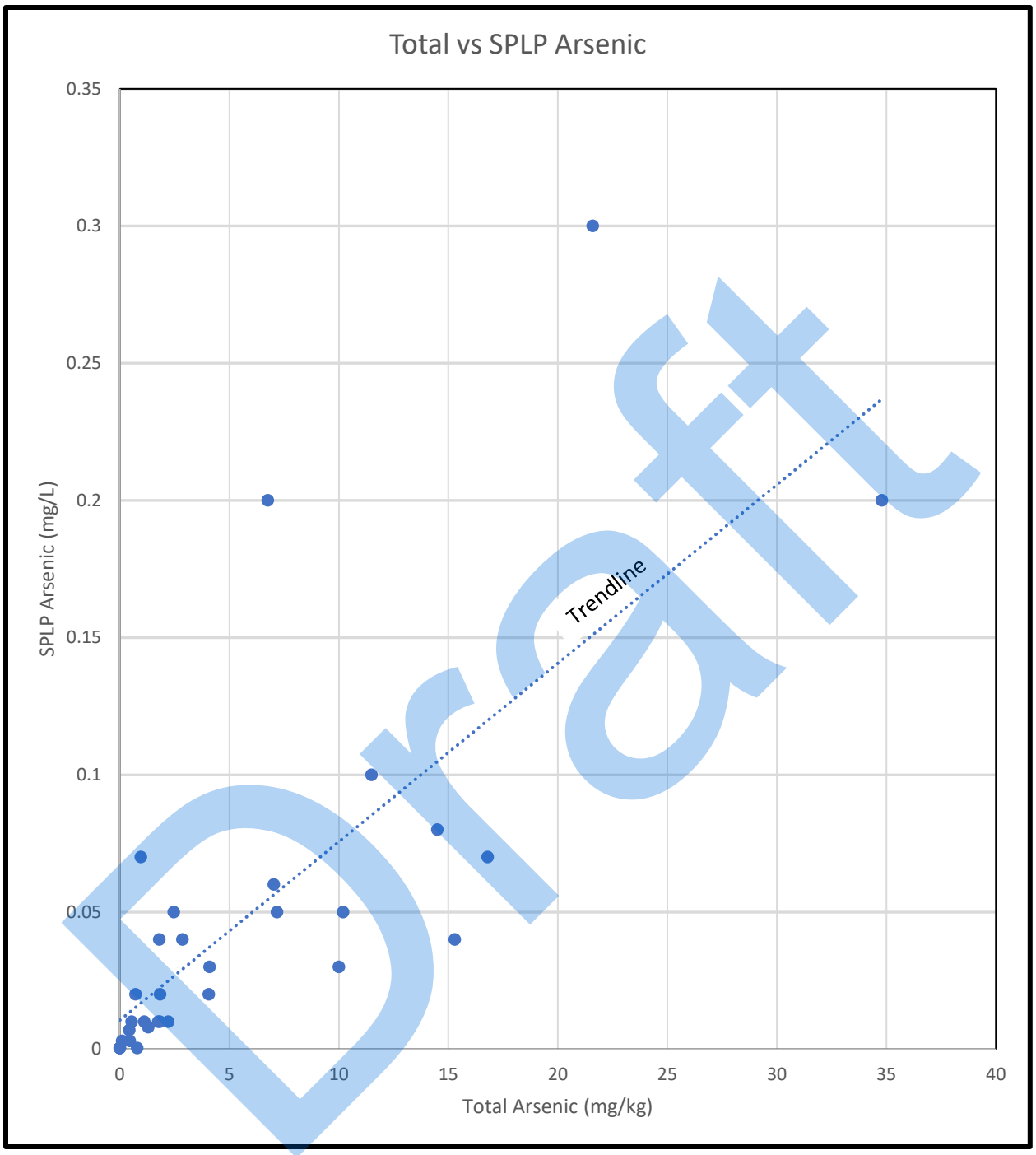

Total vs SPLP Arsenic
SPLP Arsenic (mg/L)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
30
35
40
Total Arsenic (mg/kg)
Trendline
Draft

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

Draft

	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

Draft

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**

Draft

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

Draft

BROWARD COUNTY FLORIDA
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

David Vanlandingham, P.E.
Engineering Unit Supervisor

ENCL: EAR Licenses

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

Draft

BROWARD COUNTY FLORIDA
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

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 — 28 August 2017 (Date)
Engineering Unit Supervisor
Cleanup and Waste Regulation Section

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 _____ (type of Identification) as identification.

SAT
(signature of Notary)

Commission No. GG 072607

Stephany A Todd
(name of Notary typed, printed, or stamped)

STEPHANY A TODD
Notary Public – State of Florida
Commission # GG 072607
My Comm. Expires Feb 13, 2021
Bonded through National Notary Assn.

(SEAL ABOVE)

Draft

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

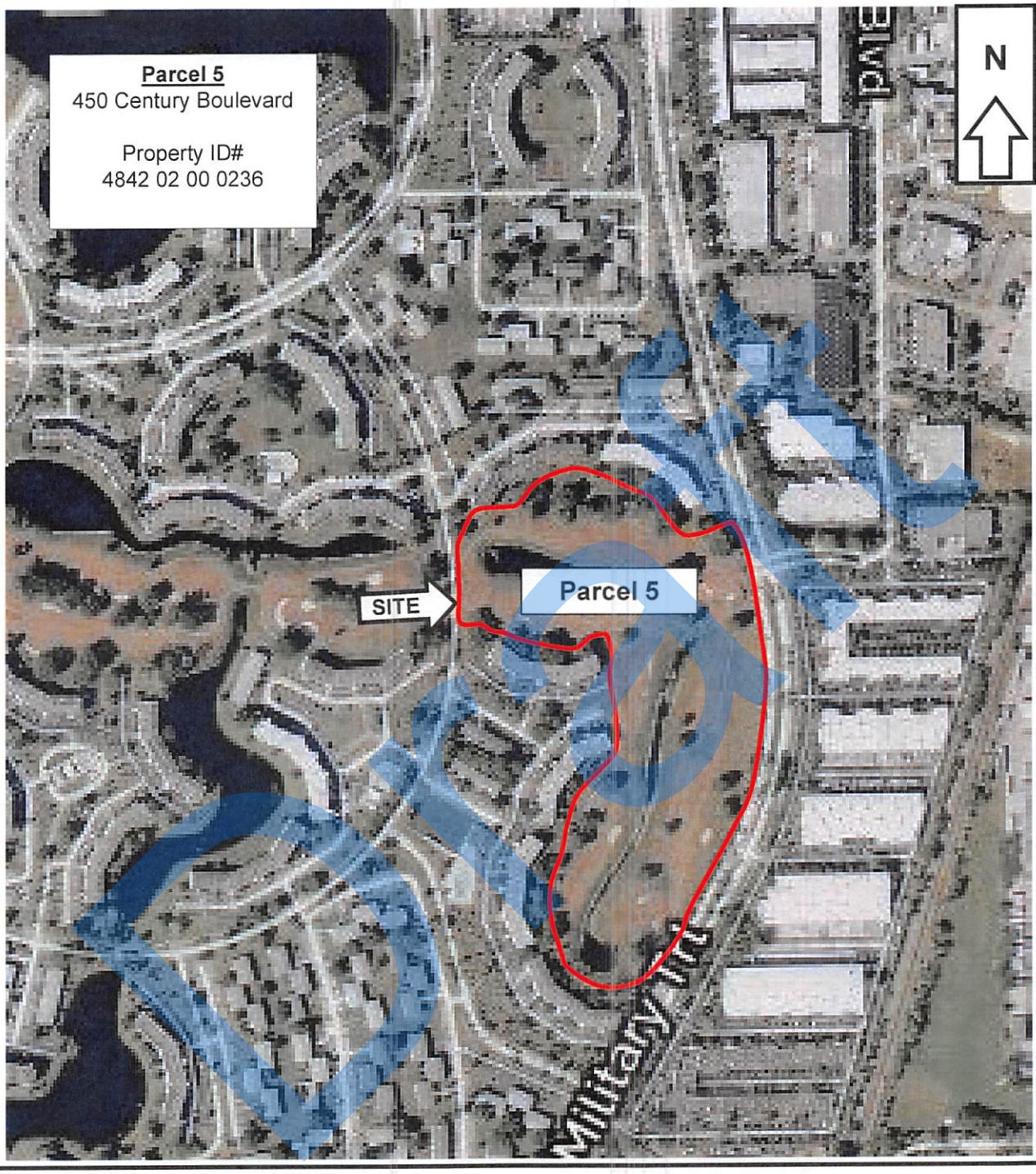
Prepared by EE&G Environmental Services, LLC, dated September 2014, and the Quarterly Monitoring

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

Draft



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 ER	Date: Job No.:	June 30, 2017 62102.02	Figure No.: 2

BROWARD COUNTY FLORIDA
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

EPGMD EEPD AUG18 '17

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 (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

28 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)

STEPHANY A TODD
Notary Public – State of Florida
Commission # GG 072607
My Comm. Expires Feb 13, 2021
Bonded through National Notary Assn.

(SEAL ABOVE)

SAT
(signature of Notary)

Commission No. GG 072607

Stephany A Todd
(name of Notary typed, printed, or stamped)

Draft

EAR License No.: 1282

EXHIBIT I

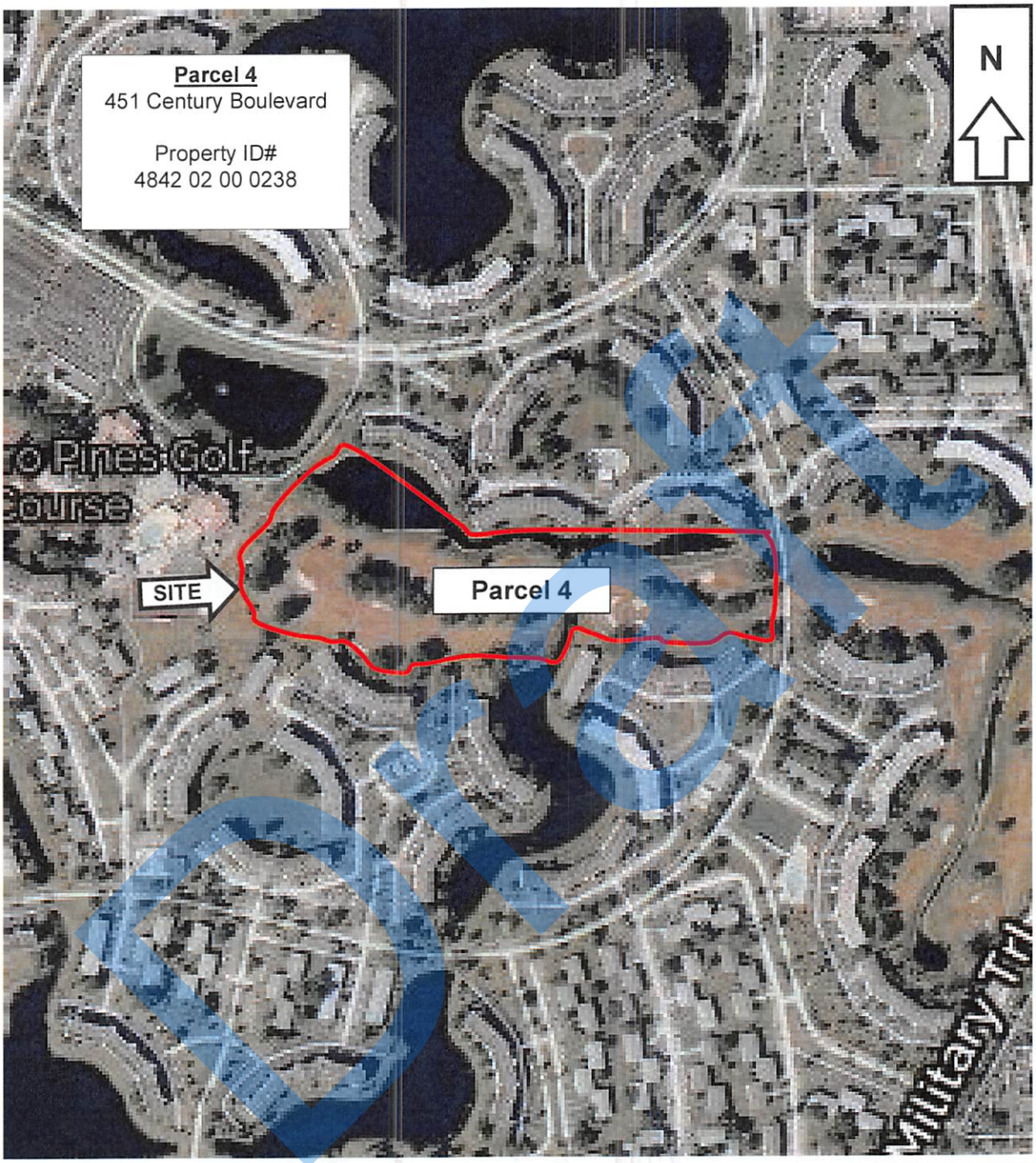
Description (location) of the area(s) to be assessed and/or remediated:

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

Draft



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 ER	Date: Job No.:	June 30, 2017 62102.02	Figure No.: 2

BROWARD COUNTY FLORIDA
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

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 (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 — Date 28 August 2017
Engineering Unit Supervisor
Cleanup and Waste Regulation Section

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 _____ (type of Identification) as identification.

STEPHANY A TODD
Notary Public – State of Florida
Commission # GG 072607
My Comm. Expires Feb 13, 2021
Bonded through National Notary Assn.

(SEAL ABOVE)

_____ (signature of Notary)
Commission No GG 072607
Stephany A Todd (name of Notary typed, printed, or stamped)

Draft

EAR License No.: 1283

EXHIBIT I

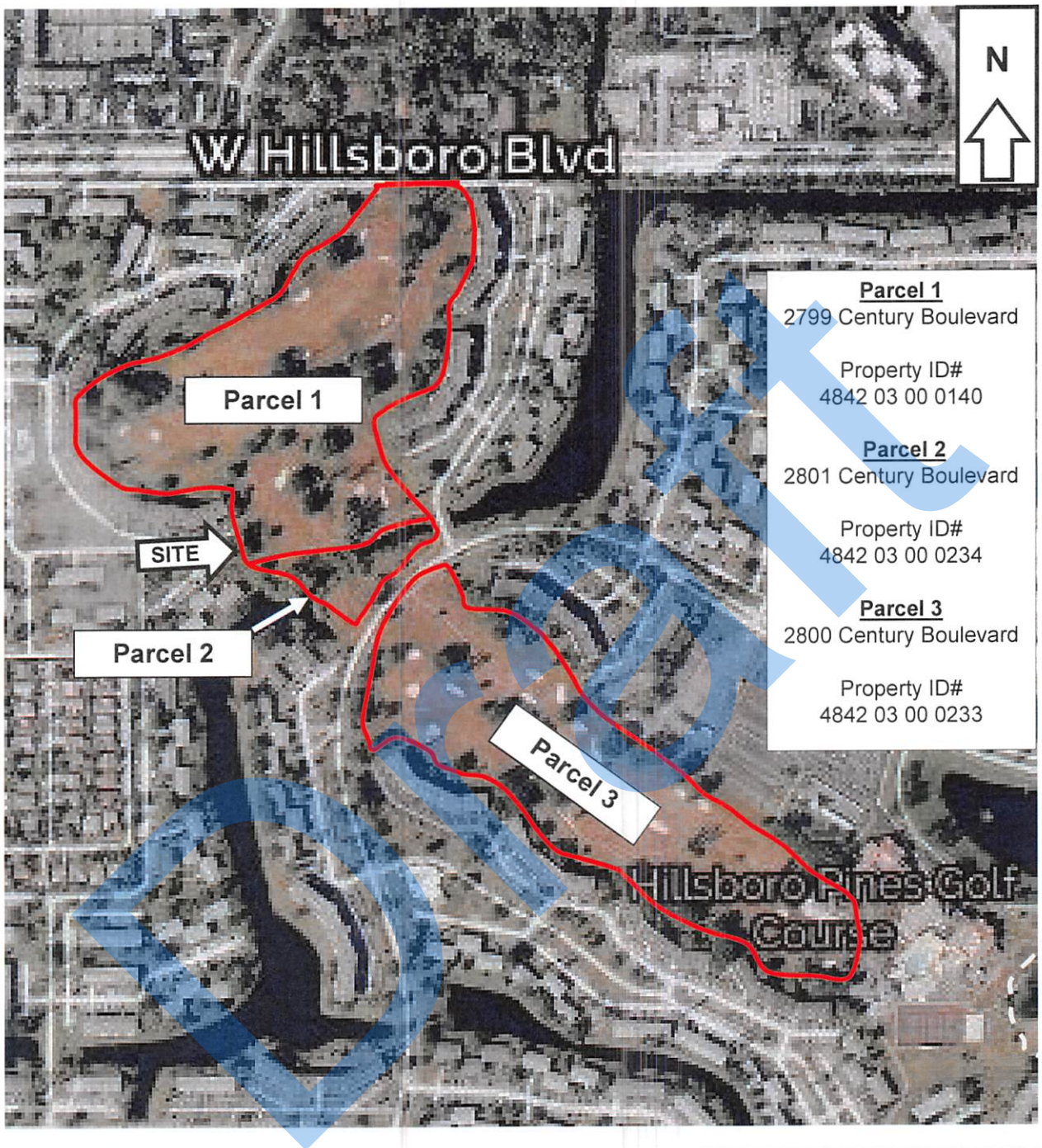
Description (location) of the area(s) to be assessed and/or remediated:

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
Future Deliverables	To Be Determined

Draft



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 ER	Date: Job No.:	June 30, 2017 62102.02	Figure No.: 2

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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)	74	%	50-130		1	2/1/2017 12:54	CM	2/2/2017 12:18	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 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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	97.7	%	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 18:41	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	2/1/2017 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 Analytical Method: EPA 6020					
Arsenic	0.59	mg/Kg	0.51	0.084	2	2/1/2017 13:49	ZS	2/2/2017 00:18	ZS	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	
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	
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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		

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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		

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig [signature]

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: As	8081 (Carbon)	As (Filtered)	Field Filtered (Y/N)	Comments
01	B-1-0.5	1/31/17	0939	SO	1	✓	✓			Tee
02	B-1-2		0940	SO	1	✓	✓			
03	B-1-4		0941	SO	1	✓	✓			
04	B-1-6		0942	SO	1	✓	✓			HOLD 8081
05	B-1-8		0943	SO	1	✓	✓			"
06	B-1-10		0944	SO	1	✓	✓			"
07	B-1-15		0945	SO	1	✓	✓			"
~~08~~	~~B-1-0.5~~		~~0946~~	~~SO~~	~~1~~	✓	✓			
09	B-1		1010	GW	3	✓	✓	✓		
10	B-2-0.5		1030	SO	1	✓	✓			Green

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- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N- $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/31/17	1620	[signature]	1/31/17	1620
[signature]	1/31/17	1645	Chris Darney	1/31/17	1645

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: 2.6 °C

Page 1 of ___

750135

Jupiter
Environmental Laboratories, Inc

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102-00
Sampler Name/Signature: Ed Rahrig Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due __/__/__

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: As	8081 Pesticides	As (Filtered)	Field Filtered (Y/N)	Comments
11	B-2-2	1/31-17	1031	SO	1	✓	✓			green
12	B-2-4	↓	1032	SO	1	✓	✓			↓
13	B-2-6		1033	SO	1	✓	✓			HOLD 8081
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	GW	3	✓	✓	✓		↓
18	B-3-0.5		1137	SO	1	✓	✓			green
19	B-3-2		1138	SO	1	✓	✓			
20	B-3-4	↓	1139	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)

Pres Codes
A- none; B- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N- $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	1.31.17	1620	Ed Rahrig	1/31/17	1620
Ed Rahrig	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

Page 2 of ____

750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig / Ed Rahrig

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due / /

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont.	Parameters: As	8081 Pesticides	As (filtered)	Field Filtered (Y/N)	Comments
21	B-3-6	1-31-17	1140	SO	1	✓	✓			HOLD 8081
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	✓	✓			Fairway
27	B-4-2		1236	SO	1	✓	✓			
28	B-4-4		1237	SO	1	✓	✓			
29	B-4-6		1238	SO	1	✓	✓			HOLD 8081
30	B-4-8	↓	1239	SO	1	✓	✓			"

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed R	1/31/17	1620	E Dabre	1/31/17	1620
E Dabre	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due __/__/__

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: AS	8081 Pesticides	AS (Filtered)	Field Filtered (Y/N)	Comments
31	B-4-10	1/31/17	1240	SO	1	✓	✓			HOLD 8081
32	B-4	↓	1252	GW	3	✓	✓	✓		
33	B-5-0.5	↓	1310	SO	1	✓	✓			Fairway
34	B-5-2	↓	1311	SO	1	✓	✓			
35	B-5-4	↓	1312	SO	1	✓	✓			
36	B-5-6	↓	1313	SO	1	✓	✓			HOLD 8081
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			✓	✓			Green

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- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N- $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/31/17	1620	[signature]	1/31/17	1620
[signature]	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Allsboro GC Project #: 62102.00
Sampler Name/Signature: EGR / Ed Rahrig

LAB ANALYSIS

Parameters: 8081 (w/ headspace) | VOC (Filtered)

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont.	Field Filtered (Y/N)	Comments
41	B-6-2	1.31.17	1339	SO	1		
42	B-6-4		1340	SO	1		
43	B-6-6		1341	SO	1		HOLD 8081
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	GW	3		
48	B-7-0.5		1420	SO	1		
49	B-7-2		1421	SO	1		
50	B-7-4	↓	1422	SO	1		

Matrix Codes*

S	Soil/Solid Sediment	SW	Surface Water
GW	Ground Water	SL	Sludge
WW	Waste Water	O	Other (Please Specify)
DW	Drinking Water		

Preservation Codes: A- none I- Ice; B- HNO_3 O- Other; C- H_2SO_4 M- MeOH; D- NaOH N- $Na_2S_2O_3$; E- HCl Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/31/17	1620	E Dabre	1/31/17	1620
E Dabre	1/31/17	1645	Chris Donley	1/31/17	1645

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: 2.6 °C

750135

REVISED

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig [signature]

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont.	Parameters: As	8081 Pesticides	As (Filtered)	Field Filtered (Y/N)	Comments
51	B-7-6	1.31.17	1423	SO	1	✓	✓			HOLD 8081
52	B-7-8	↓	1424	SO	1	✓	✓			"
53	B-7-10	↓	1425	SO	1	✓	✓			"
54	B-7-15	↓	1426	SO	1	✓	✓			"
55	B-7	↓	1440	GW	3	✓	✓	✓		
6										
7										
8										
9										
0										

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/31/17	1620	[signature]	1/31/17	1620
[signature]	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

750135

Draft

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: As	8081 (Organo)	As (Filtered)	Field Filtered (Y/N)	Comments
01	B-1-0.5	1/31/17	0939	SO	1		✓	✓			Tee
02	B-1-2		0940	SO	1		✓	✓			
03	B-1-4		0941	SO	1		✓	✓			
04	B-1-6		0942	SO	1		✓	✓			
05	B-1-8		0943	SO	1		✓	✓			
06	B-1-10		0944	SO	1		✓	✓			
07	B-1-15		0945	SO	1		✓	✓			
08	B-1-0.5		0946	SO	1		✓	✓			
09	B-1		1010	GW	3		✓	✓	✓		
10	B-2-0.5	↓	1030	SO	1		✓	✓			Green

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	1/31/17	1620	Ed Dahn	1/31/17	1620
Ed Dahn	1/31/17	1645	Chris Dorney	1/31/17	1645

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: 2.6 °C

Page ___ of ___

750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century BLVd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102-00
Sampler Name/Signature: Ed Rahrig Ed Rahrig

LAB ANALYSIS

Parameters: As | 8081 Pesticides | As (Filtered)

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	As	8081 Pesticides	As (Filtered)	Field Filtered (Y/N)	Comments
11	B-2-2	1/31/17	1031	SO	1		✓	✓			green
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	GW	3		✓	✓	✓		
18	B-3-0.5		1137	SO	1		✓	✓			green
19	B-3-2		1138	SO	1		✓	✓			
20	B-3-4	↓	1139	SO	1		✓	✓			

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

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- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N- $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	1/31/17	1620	Chris Danley	1/31/17	1620
Chris Danley	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

1750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig / [signature]

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: AS	8081 Pesticides	AS (Filtered)	Field Filtered (Y/N)	Comments
21	B-3-6	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	✓	✓			Fairway
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)

Pres Codes
A- none; B- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N- $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/31/17	1620	E. Dabre	1/31/17	1620
E. Dabre	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

Page 3 of ___

750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig Ed Rahrig

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: #3 8081 Pesticides	Parameters: #3 (Filtered)	Field Filtered (Y/N)	Comments
31	B-4-10	1/31/17	1240	SO	1	✓	✓		
32	B-4		1252	GW	3	✓	✓		
33	B-5-0,5		1310	SO	1	✓	✓		Fairway
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			✓	✓		Green

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	1/31/17	1620	Ed Rahrig	1/31/17	1620
Ed Rahrig	1/31/17	1645	Chris Donley	1/31/17	1645

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: 2.6 °C

1750135

REVISED

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
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 # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: As	8081 Pesticides	As (filtered)	Field Filtered (Y/N)	Comments
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	GW	3	✓	✓	✓		
48	B-7-0.5		1420	SO	1	✓	✓			
49	B-7-2		1421	SO	1	✓	✓			
50	B-7-4	↓	1422	SO	1	✓	✓			

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/31/17	1620	E Dabre	1/31/17	1620
E Dabre	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

750135

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 750135
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: As	8081 Pesticides	As (Filtered)	Field Filtered (Y/N)	Comments
51	B-7-6	1/31/17	1423	SO	1		✓	✓			
52	B-7-8		1424	SO	1		✓	✓			
53	B-7-10		1425	SO	1		✓	✓			
54	B-7-15		1426	SO	1		✓	✓			
55	B-7		1440	GW	3		✓	✓	✓		
6											
7											
8											
9											
10											

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	1/31/17	1620	E. Dahn	1/31/17	1620
E. Dahn	1/31/17	1645	Chris Danley	1/31/17	1645

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: 2.6 °C

750135

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	1750135	Req:	2603
Client: ①	~~SGS~~ 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

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	2.6	55	☐	☐	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/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

① CLD 2-1-2017

Draft

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

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

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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
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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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	

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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.

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546
CERTIFICATE OF ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

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		

Draft

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1750164
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
___ Expedited
Due 02/07/17

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: As	8081 Pesticides	As (F) Filtered	Field Filtered (Y/N)	Comments
01	B-8-0.5	2/2/17	0905	SO	1	✓	✓			Fairway
02	B-8-2		0906	SO	1	✓	✓			
03	B-8-4		0907	SO	1	✓	✓			
04	B-8-6		0908	SO	1	✓	H			H = 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	✓	✓			

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	2/2/17	1335	Abe	2/2/17	1335
Abe	2/2/17	1343	Chris Danley	2/2/17	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

75 0164

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1750164
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Bld
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig Ed Rahrig

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
___ Expedited
Due 02/07/17

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters (Pres Codes)	AS	8081 Pesticides	AS (Filtered)	Field Filtered (Y/N)	Comments
11	B-9-6	2.2.17	0948	SO	1		✓	H			Tee
12	B-9-8	↓	0949	SO	1		✓	H			
13	B-9-10		0950	SO	1		✓	H			H ≡ HOLD
14	B-9-15		0951	SO	1		✓	H			
15	B-9		1015	GW	3		✓	✓	✓		
16	B-10-0.5		1030	SO	1		✓	✓			Green
17	B-10-2		1031	SO	1		✓	✓			
18	B-10-4		1032	SO	1		✓	✓			
19	B-10-6		1033	SO	1		✓	H			
20	B-10-8	↓	1034	SO	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- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH; N - $Na_2S_2O_3$; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig	2/2/17	1335	ABe	2/2/17	1335
ABe	2/2/17	1343	Chris Danley	2/2/17	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

750164

Jupiter
Environmental Laboratories, Inc.
www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1750164
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
___ Expedited
Due 02/07/17

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: 8081 Pesticides (Filtered)	Field Filtered (Y/N)	Comments
21	B-10-10	2.2.17	1035	SO	1		✓ H		H = HOLD
22	B-10-15		1036	SO	1		✓ H		
23	B-10		1101	GW	3		✓ ✓ ✓		
24	B-11-0.5		1115	SO	1		✓ ✓		Fairway
25	B-11-2		1116	SO	1		✓ ✓		
26	B-11-4		1117	SO	1		✓ ✓		
27	B-11-6		1118	SO	1		✓ H		
28	B-11-8		1119	SO	1		✓ H		Recieved 02/03/2017
29	B-11-10		1120	SO	1		✓ H		Recieved 02/03/2017
30	B-11	↓	1137	GW	3		✓ ✓ ✓		

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Ed Rahrig ABE	2.2.17	1335	ABE	2/2/17	1335
ABE	2/2/17	1343	Chris Dewey	2/2/17	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

750164

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1750164
P.O. # _____
Quote # _____

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Sampling Site Address: 2400 Century Blvd
Attn: Ed Rahrig Email:
Project Name: Hillsboro GC Project #: 62102.00
Sampler Name/Signature: Ed Rahrig Ed Rahrig

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
___ Expedited
Due 02/07/17

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: As	8081 Pesticides	As (filtered)	Field Filtered (Y/N)	Comments
31	B-12-0.5	2.2.17	1155	SO	1	✓	✓			Tee Recieved 02/03/2017
32	B-12-2	↓	1156	SO	1	✓	✓			Recieved 02/03/2017
33	B-12-4	↓	1157	SO	1	✓	✓			H ≡ HOLD Recieved 02/03/17
34	B-12-6	↓	1158	SO	1	✓	H			Recieved 02/03/2017
35	B-12-8	↓	1159	SO	1	✓	H			Recieved 02/03/2017
36	B-12-10	↓	1200	SO	1	✓	H			Recieved 02/03/2017
37	B-12-15	↓	1201	SO	1	✓	H			Recieved 02/03/2017
38	B-12	↓	1230	GW	3	✓	✓	✓		→ Needs Nitric Acid
9										
0										

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2.2.17	1335	Abe	2/2/17	1335
ABE	2/2/17	1343	Chris Danley	2/2/17	1347

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

750164

Yelo

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
ABer - 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

Draft

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.

Draft

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.

Draft

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.

Draft

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

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	3.5	37	☐	☐		

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

Draft

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-14-2 **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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-14-4 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	**% Solids**	**92.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-14-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-14-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-16-2
Matrix: Soil
Lab ID: 0015475-17
Sampled By: Ed Rahrig
Sampled: 05/08/17 09:40
Received: 05/08/17 17:00

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	0.889		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-16-6
Matrix: Soil
Lab ID: 0015475-19
Sampled By: Ed Rahrig
Sampled: 05/08/17 09:42
Received: 05/08/17 17:00

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	0.395		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-17-4
Matrix: Soil
Lab ID: 0015475-23
Sampled By: Ed Rahrig
Sampled: 05/08/17 09:52
Received: 05/08/17 17:00

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	2.31		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 Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-17-6
Matrix: Soil
Lab ID: 0015475-24
Sampled By: Ed Rahrig
Sampled: 05/08/17 09:53
Received: 05/08/17 17:00

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	0.229		mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-17-8
Matrix: Soil
Lab ID: 0015475-25
Sampled By: Ed Rahrig
Sampled: 05/08/17 09:54
Received: 05/08/17 17:00

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	2.76		mg/kg dry	EPA 6020B	1	0.003	0.227	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-19-0.5
Matrix: Soil
Lab ID: 0015475-32
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:16
Received: 05/08/17 17:00

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	3.10		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-19-10
Matrix: Soil
Lab ID: 0015475-37
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:21
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.222	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**90.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-20-6
Matrix: Soil
Lab ID: 0015475-41
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:33
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-20-8
Matrix: Soil
Lab ID: 0015475-42
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:34
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-21-0.5
Matrix: Soil
Lab ID: 0015475-43
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:42
Received: 05/08/17 17:00

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	2.27		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-21-6
Matrix: Soil
Lab ID: 0015475-46
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:45
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-21-8
Matrix: Soil
Lab ID: 0015475-47
Sampled By: Ed Rahrig
Sampled: 05/08/17 10:46
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-23-6
Matrix: Soil
Lab ID: 0015475-57
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:10
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-23-8
Matrix: Soil
Lab ID: 0015475-58
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:11
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-24-0.5
Matrix: Soil
Lab ID: 0015475-59
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:21
Received: 05/08/17 17:00

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**	**0.772**		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 Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-24-6
Matrix: Soil
Lab ID: 0015475-62
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:24
Received: 05/08/17 17:00

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	0.269		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/10/17	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	05/15/17	05/15/17	DL

Draft

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-24-8
Matrix: Soil
Lab ID: 0015475-63
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:25
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-25-0.5
Matrix: Soil
Lab ID: 0015475-64
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:36
Received: 05/08/17 17:00

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	1.24		mg/kg dry	EPA 6020B	1	0.003	0.206	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-25-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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
Matrix: Soil
Lab ID: 0015475-67
Sampled By: Ed Rahrig
Sampled: 05/08/17 11:39
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-25-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**93.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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
Matrix: Soil
Lab ID: 0015475-69
Sampled By: Ed Rahrig
Sampled: 05/08/17 12:44
Received: 05/08/17 17:00

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	0.541		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/10/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15475
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 6325W Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: EdRg / Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers
1	B-13-0.5	5/8/17	909	SO			1
2	B-13-2		910				
3	B-13-4		911				
4	B-13-6		912				
5	B-13-8		913				
6	B-14-0.5		921				
7	B-14-2		922				
8	B-14-4		923				
9	B-14-6		924				
10	B-14-8		925				

LAB ANALYSIS

pH											
PRES CODE	I										
Parameters	As	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

Archive samples 6 months

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None__ 1__ 2__ 3__ Other__

COC OK: (Y) N

Initials: BM

IR Gun S022793

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	EdRg	Ed Rahrig	5/8/17	1700	[illegible]	PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.1 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24576

Palm Beach Environmental Laboratories, Inc.

Log #: 15475
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward & Rahrig PA LLC
Address: 632 SW Aster Rd
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

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters: pH	Parameters: PRES CODE	Parameters: AS
11	B-15-0.5	5/8/17	931	SO			1		I	✓
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							✓

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour — 48 Hour Date Due:

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK: (Y) N — Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700		PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

3.9

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24577

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15475
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: [signature] / Ed Rahrig

LAB ANALYSIS

pH	
PRES CODE	I
Parameters	

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters	
21	B-17-0.5	5/8/17	0950	SO			1		✓
22	B-17-2		0951						✓
23	B-17-4		0952						✓
24	B-17-6		0953						✓
25	B-17-8		0954						✓
26	B-18-0.5		1005						✓
27	B-18-2		1006						✓
28	B-18-4		1007						✓
29	B-18-6		1008						✓
30	B-18-8		1009						✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

IRGun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/8/17	1700	[signature]	PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24578

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15475
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Ruhrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Ruhrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: Ed Rg / Ed Ruhrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters	LAB ANALYSIS
31	B-18-10	5/8/17	1010	SO			1		I	✓	
32	B-19-0.5		1016							✓	
33	B-19-2		1017							✓	
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							✓	

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour — 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: DM

ER Gun SO2273

Item	Relinquished By	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rg	Ed Ruhrig	5/8/17	1700		PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24579

Palm Beach Environmental Laboratories, Inc.

Log #: 15475
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hills Landing Proj#: 62102102
Sampler Signature / Name: Ed Rg

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
41	B-20-6	5/8/17	1033	SO			1		I	
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							

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour — 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: DM

ZR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rg	Ed Rahrig	5/8/17	1700	John Dan	PBEL	05/09/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24580

Palm Beach Environmental Laboratories, Inc.

Log #: 15475
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward Rahrig PE LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
									5	
51	B-22-4	5/8/17	1058	SO			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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour — 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: JH

IR Gun S022273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700		PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.5 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?			✓
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24581

Palm Beach Environmental Laboratories, Inc.

Log #: 15475
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Ed Rahrig PG LLC
Address: 632 SW Alster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers	pH	PRES CODE	Parameters
61	B-24-4	5/8/17	1123	SO			1		I	VAP
62	B-24-6		1124							✓
63	B-24-8		1125							✓
64	B-25-0.5		1136							✓
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK: (Y) N — Initials: DH

IR Gun S0227-3

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700		PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24582

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-6
Matrix: Soil
Lab ID: 0015476-02
Sampled By: Ed Rahrig
Sampled: 05/08/17 12:47
Received: 05/08/17 17:00

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	0.164	I	mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	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	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-26-8
Matrix: Soil
Lab ID: 0015476-03
Sampled By: Ed Rahrig
Sampled: 05/08/17 12:48
Received: 05/08/17 17:00

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	0.171	I	mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-0.5
Matrix: Soil
Lab ID: 0015476-04
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:01
Received: 05/08/17 17:00

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	0.095	I	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-2
Matrix: Soil
Lab ID: 0015476-05
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:02
Received: 05/08/17 17:00

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	0.120	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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-4
Matrix: Soil
Lab ID: 0015476-06
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:03
Received: 05/08/17 17:00

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	0.111	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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-27-6
Matrix: Soil
Lab ID: 0015476-07
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:04
Received: 05/08/17 17:00

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	0.137	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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-6
Matrix: Soil
Lab ID: 0015476-12
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:15
Received: 05/08/17 17:00

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	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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-28-8
Matrix: Soil
Lab ID: 0015476-13
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:16
Received: 05/08/17 17:00

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	0.321		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-0.5
Matrix: Soil
Lab ID: 0015476-14
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:22
Received: 05/08/17 17:00

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	2.59		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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-2 **Lab ID:** 0015476-15 **Sampled:** 05/08/17 13:23
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 Date	Analysis Date	Analyst
7440-38-2	Arsenic	8.71		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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-4
Matrix: Soil
Lab ID: 0015476-16
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:24
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.202	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-6
Matrix: Soil
Lab ID: 0015476-17
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:25
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-29-8
Matrix: Soil
Lab ID: 0015476-18
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:26
Received: 05/08/17 17:00

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	0.454		mg/kg dry	EPA 6020B	1	0.003	0.222	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-0.5
Matrix: Soil
Lab ID: 0015476-24
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:44
Received: 05/08/17 17:00

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	3.16		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 Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-4
Matrix: Soil
Lab ID: 0015476-26
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:46
Received: 05/08/17 17:00

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	0.423		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-31-6
Matrix: Soil
Lab ID: 0015476-27
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:47
Received: 05/08/17 17:00

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	0.003	U	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 Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**90.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-0.5
Matrix: Soil
Lab ID: 0015476-29
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:55
Received: 05/08/17 17:00

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	6.01		mg/kg dry	EPA 6020B	1	0.003	0.204	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-6
Matrix: Soil
Lab ID: 0015476-32
Sampled By: Ed Rahrig
Sampled: 05/08/17 13:58
Received: 05/08/17 17:00

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	2.42		mg/kg dry	EPA 6020B	1	0.003	0.217	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-32-10
Matrix: Soil
Lab ID: 0015476-34
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:00
Received: 05/08/17 17:00

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	0.369		mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-0.5
Matrix: Soil
Lab ID: 0015476-35
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:07
Received: 05/08/17 17:00

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	3.67		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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-6
Matrix: Soil
Lab ID: 0015476-38
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:10
Received: 05/08/17 17:00

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	4.17		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 Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-33-8
Matrix: Soil
Lab ID: 0015476-39
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:11
Received: 05/08/17 17:00

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	9.91		mg/kg dry	EPA 6020B	1	0.003	0.213	05/10/17	05/15/17	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	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-6
Matrix: Soil
Lab ID: 0015476-49
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:33
Received: 05/08/17 17:00

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	1.40		mg/kg dry	EPA 6020B	1	0.003	0.230	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-35-8
Matrix: Soil
Lab ID: 0015476-50
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:34
Received: 05/08/17 17:00

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	0.003	U	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 Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-0.5
Matrix: Soil
Lab ID: 0015476-52
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:46
Received: 05/08/17 17:00

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	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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-36-6
Matrix: Soil
Lab ID: 0015476-55
Sampled By: Ed Rahrig
Sampled: 05/08/17 14:49
Received: 05/08/17 17:00

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	1.35		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 Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-0.5
Matrix: Soil
Lab ID: 0015476-59
Sampled By: Ed Rahrig
Sampled: 05/08/17 15:04
Received: 05/08/17 17:00

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	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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-6
Matrix: Soil
Lab ID: 0015476-62
Sampled By: Ed Rahrig
Sampled: 05/08/17 15:07
Received: 05/08/17 17:00

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	2.76		mg/kg dry	EPA 6020B	1	0.003	0.215	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
REPORTED: 7/5/2017 12:46:42PM
PROJECT #: 62102.01
PROJECT: Hillsboro Pines GC

Description: B-37-8
Matrix: Soil
Lab ID: 0015476-63
Sampled By: Ed Rahrig
Sampled: 05/08/17 15:08
Received: 05/08/17 17:00

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	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.211	05/10/17	05/15/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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#: 24583,24586,24587,24588,2458924590,24
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 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						

Draft

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#: 24583,24586,24587,24588,2458924590,24

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

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15476
PO #: 15476
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters	pH	PRES CODE
										I
1	B-26-4	5/8/17	1246	SO			1	X	✓	
2	B-26-6		1247						✓	
3	B-26-8		1248						✓	
4	B-27-0.5		1301						✓	
5	B-27-2		1302						✓	
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						✓	

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

Archive Samples 6 months

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: DM

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700		PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 5.2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24583

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15476
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
11	B-28-4	5/8/17	1314	SO			1			✓
12	B-28-6		1315							✓
13	B-28-8		1316							✓
14	B-29-0.5		1322							✓
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							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour — 48 Hour Date Due:

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK: (Y) N — Initials: DH

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700	[illegible]	PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.7 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24586

Palm Beach Environmental Laboratories, Inc.

Log #: 15476
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
21	B-30-4	5/8/17	1333	SO			1		I	VB
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							

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: DH

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rg	Ed Rahrig	5/8/17	1700	[illegible] Don	PBEL	05/09/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.7 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24587

Palm Beach Environmental Laboratories, Inc.

Log #: 15476
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward 6 Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity QC	Total # of containers	pH	PRES CODE	Parameters
									I	1A
31	B-32-4	5/8/17	1357	SO			1			✓
32	B-32-6		1358							✓
33	B-32-8		1359							✓
34	B-32-10		1400							✓
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							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700	Adam Dan	PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.7 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24588

Palm Beach Environmental Laboratories, Inc.

Log #: 15476
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahring PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahring Phone#:
email: Fax#:
Project Name: Hillsboro Blvd Proj#: 62102.02
Sampler Signature / Name: Ed Rahring / Ed Rahring

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
41	B-34-0.5	5/8/17	1417	SO			1			✓
42	B-34-2		1418							✓
43	B-34-4		1419							✓
44	B-34-6		1420							✓
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DH

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahring	Ed Rahring	5/8/17	1700	Adam Dan	PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.1 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24589

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15476
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: Ed RG / Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
									F	
51	B-35-10	5/8/17	1435	SO			1		✓	
52	B-36-0.5		1446						✓	
53	B-36-2		1447						✓	
54	B-36-4		1448						✓	
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						✓	

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed RG	Ed Rahrig	5/8/17	1700	Adam Dow	PBEL	05/09/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.7 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24590

Palm Beach Environmental Laboratories, Inc.

Log #: 15476
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
61	B-37-4	5/8/17	1506	SO			1		I	
62	B-37-6		1507							
63	B-37-8		1508							
64	B-37-10		1509							
65	B-37-12		1510							
_6										
_7										
_8										
_9										
_0										

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None__ 1__ 2__ 3__ Other__

COC OK: (Y) N

Initials:

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/8/17	1700	[illegible]	PBEL	05/08/17	1700

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 7°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24591

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-38-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-38-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**90.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-38-10 **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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-39-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-40-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-40-4 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-40-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-40-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-40-10 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**91.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-55-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-55-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-55-4 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-55-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: RS Rig / Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
_1	B-38-0.5	9/9	5/9/17	SO			1		I	✓
_2	B-38-2	920								✓
_3	B-38-4	921								✓
_4	B-38-6	922								✓
_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								✓

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard (Y/N): Y
RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N
Initials: RS

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	RS Rig	Ed Rahrig	5/9/17	16:05	Dave Dyke	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24366

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
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

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As
11	B-39-6	5/9/17	1008	SO			1		I	✓
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							✓

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: PS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	16:05	David Lee	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24602

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As
21	B-41-4	5/8/17	1055	SO			1		I	✓
22	B-41-6		1056							✓
23	B-41-8		1057							✓
24	B-41-10		~~1111~~ 1058	GW						✓
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							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard (Y/N) / RUSH (24 Hour, 48 Hour Date Due:)

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: B

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	16:05	Dawn Te	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24603

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers	pH	PRES CODE	As
									I	
31	B-43-4	5/9/17	1135	SO			1			✓
32	B-43-6		1136							✓
33	B-43-8		1137							✓
34	B-44-0.5		1152							✓
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: RS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	15:05	Dawn L	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24604

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15484
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

pH	
PRES CODE	I
Parameters	As

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	As
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	B-47-4		1247					✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N

Initials: FS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	16:05	Dawn [illegible]	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24605

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity Ok	Total # containers	Parameters: 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	~~1300~~	1309					✓

LAB ANALYSIS — pH; PRES CODE

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: JS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	16:05	Dan Lee	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24597

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers	pH	PRES CODE	Parameters: As
									I	
61	B-49-6	5/9/17	1310	SO			1			✓
62	~~B-49-0.5~~		—							—
63	B-50-0.5		1327							✓
64	B-50-2		1328							✓
65	B-50-4		1329							✓
66	B-50-6		1330							✓
67	B-51-0.5		1343							✓
68	B-51-2		1344							✓
69	B-51-4		1345							✓
70	B-51-6		1346							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None__ 1__ 2__ 3__ Other__

COC OK: (Y) N Initials: RS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/17	16:05	Dawn Jr	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24598

Palm Beach Environmental Laboratories, Inc.

Log #: 15484
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers	Parameters: pH	PRES CODE	AS
71	B-51-8	5/9/17	1347	SO			1		I	✓
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							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: AS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/9/2017	16:05	Dawn Lee	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24599

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15484
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

pH																		
PRES CODE	I																	
Parameters	AS																	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers											
81	B-53-8	1406	5/9/17	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							✓									

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N

Initials: [illegible]

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	16:05	Dawn [illegible]	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24600

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15484
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

pH	
PRES CODE	I
Parameters	As ✓

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers
91	B-55-8	5/9/17	1433	SO			1
2							
3							
4							
5							
6							
7							
8							
9							
0							

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N

Initials: FS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/9/2017	16:05	Dawn Lee	PBEL	5/9/17	16:05

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.0 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24601

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-56-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-56-4 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-56-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-56-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-56-10 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-58-4 **Lab ID:** 0015492-16 **Sampled:** 05/10/17 08:32
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	4.55		mg/kg dry	EPA 6020B	1	0.093	0.515	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	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-63-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-63-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-63-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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 Date	Analysis 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 Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

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	0.532	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**	**94.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15492
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: EdRg / Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
									I	AS
1	B-56-0.5	806	5/10/17 750				1			✓
2	B-56-2	807								✓
3	B-56-4	808								✓
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								✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour, Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DL

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	EdRg	Ed Rahrig	5/10/17	14:25	Dawn D Lee	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.4°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24596

Palm Beach Environmental Laboratories, Inc.

Log #: 15492
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj# 62/02.02
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Parameters: pH; PRES CODE: I; As

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers
1_1	B-57-8	823	5/10/17	SO			1
1_2	B-57-10	824					
1_3	B-57-12	825					
1_4	B-58-0.5	830					
1_5	B-58-2	831					
1_6	B-58-4	832					
1_7	B-58-6	833					
1_8	B-58-8	834					
1_9	B-58-10	835					
2_0	B-59-0.5	848					

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DL

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/10/17	14:25	David Lovell	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24621

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15492
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: 4s
21	B-59-2	5/10/17	849	SO			1		I	✓
22	B-59-4		850							✓
23	B-59-6		851							✓
24	B-59-8	~~852~~	852							✓
25	B-59-10	~~853~~	853							✓
26	B-59-12	~~854~~	854							✓
27	B-60-0.5		904							✓
28	B-60-2		905							✓
29	B-60-4		906							✓
30	B-60-6		907							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: DL

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/10/17	14:25	Dawn Lee	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24620

Palm Beach Environmental Laboratories, Inc.

Log #: 15492
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Astor Rd
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

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As
31	B-60-8	5/10/17	908	SO			1		I	✓
32	B-60-10		0909							✓
33	B-61-0.5		920							✓
34	B-61-2		921							✓
35	B-61-4		922							✓
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							✓

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DL

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/10/17	14:25	David Lovell	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24619

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15492
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Road
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As
41	B-62-4	5/10/17	932	SO			1		I	✓
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	↓			↓			✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: PL

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/10/17	14:25	Dawn Lee	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24618

Palm Beach Environmental Laboratories, Inc.

Log #: 15492
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: W PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Rng Proj#: 62102.02
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity	Total # of containers	pH	PRES CODE	Parameters: As
S1	B-64-4	5/10/17	956	SO			1		I	✓
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DL

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/10/17	14:25	Dave Dyer	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.6°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24617

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-67-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-67-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-67-10 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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 Date	Analysis 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 Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**92.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.278	I	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 Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-72-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-72-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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-72-4 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-72-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

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

Draft

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-72-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/15/17	05/15/17	DL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15493
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As										
1	B-67-0.5	5/10/17	1023	SO			1		I	✓										
2	B-67-2		1024							✓										
3	B-67-4		1025							✓										
4	B-67-6		1026							✓										
5	B-67-8		1027							✓										
6	B-67-10		1028							✓										
7	B-68-0.5		1041							✓										
8	B-68-2		1042							✓										
9	B-68-4		1043							✓										
10	B-68-6		1044							✓										

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH (24 Hour, 48 Hour Date Due:) — Y/N

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK: (Y) N — Initials: PS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/10/17	14:25		PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24616

Palm Beach Environmental Laboratories, Inc.

Log #: 15493
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Pl
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj# 12102.02
Sampler Signature / Name: Ed R Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers	pH	PRES CODE	AS
									I	
L1	B-68-8	5/10/17	1045	SO			1			✓
L2	B-69-0.5		1055							✓
L3	B-69-2		1056							✓
L4	B-69-4		1057							✓
L5	B-69-6		1058							✓
L6	B-69-8		1059							✓
L7	B-69-10		1100							✓
L8	B-70-0.5		1108							✓
L9	B-70-2		1109							✓
L20	B-70-4		1110							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: RS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed R	Ed Rahrig	5/10/17	14:25		PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.7 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24595

Palm Beach Environmental Laboratories, Inc.

Log #: 15493
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

pH
PRES CODE: I
Parameters: PAS; 1

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # containers
2	~~B-70-0.5~~	5/10/17	1119	SO			1
2_2	B-71-0.5		1120				
2_3	B-71-2		1121				
2_4	B-71-4		1122				
2_5	B-71-6		1123				
2_6	B-71-8		1124				
2_7	B-71-10		1125				
2_8	B-71-12		1139				
2_9	B-72-0.5		1140				
3_0	B-72-2		1141				
3_1	B-72-4		1142				

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: PS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/10/17	14:25		PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?			✓
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24592

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15493
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 - SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj# 6240202.02
Sampler Signature / Name: Ed Rg / Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	As
									I	
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							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N PS

Initials:

Item	Relinquished By	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rg	Ed Rahrig	5/10/17	14:25	Pa L	PBEL	5/10/17	14:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.4 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?			
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Page 4 of 4 PS

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24593

Draft

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

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-74-0.5
Matrix: Soil
Lab ID: 0015495-01
Sampled By: Ed Rahrig
Sampled: 05/11/17 09:01
Received: 05/11/17 14:00

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	2.00		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 Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-74-6
Matrix: Soil
Lab ID: 0015495-04
Sampled By: Ed Rahrig
Sampled: 05/11/17 09:04
Received: 05/11/17 14:00

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	0.513	I	mg/kg dry	EPA 6020B	1	0.098	0.543	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-76-0.5
Matrix: Soil
Lab ID: 0015495-12
Sampled By: Ed Rahrig
Sampled: 05/11/17 09:33
Received: 05/11/17 14:00

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	4.01		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

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	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**91.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-77-6
Matrix: Soil
Lab ID: 0015495-19
Sampled By: Ed Rahrig
Sampled: 05/11/17 09:58
Received: 05/11/17 14:00

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	0.120	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 Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-79-6
Matrix: Soil
Lab ID: 0015495-27
Sampled By: Ed Rahrig
Sampled: 05/11/17 10:19
Received: 05/11/17 14:00

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	0.092	U	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 Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-82-0.5
Matrix: Soil
Lab ID: 0015495-40
Sampled By: Ed Rahrig
Sampled: 05/11/17 11:03
Received: 05/11/17 14:00

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	2.38		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-84-0.5
Matrix: Soil
Lab ID: 0015495-51
Sampled By: Ed Rahrig
Sampled: 05/11/17 11:25
Received: 05/11/17 14:00

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	0.416	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-84-2
Matrix: Soil
Lab ID: 0015495-52
Sampled By: Ed Rahrig
Sampled: 05/11/17 11:26
Received: 05/11/17 14:00

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**	**0.131**	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**99.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-0.5
Matrix: Soil
Lab ID: 0015495-64
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:01
Received: 05/11/17 14:00

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	2.97		mg/kg dry	EPA 6020B	1	0.094	0.521	05/16/17	05/16/17	SL

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	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-2
Matrix: Soil
Lab ID: 0015495-65
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:02
Received: 05/11/17 14:00

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	1.11		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 Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-4
Matrix: Soil
Lab ID: 0015495-66
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:03
Received: 05/11/17 14:00

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	0.111	I	mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-87-6
Matrix: Soil
Lab ID: 0015495-67
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:04
Received: 05/11/17 14:00

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	0.245	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 Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-0.5
Matrix: Soil
Lab ID: 0015495-68
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:14
Received: 05/11/17 14:00

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	6.36		mg/kg dry	EPA 6020B	1	0.091	0.505	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-2
Matrix: Soil
Lab ID: 0015495-69
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:15
Received: 05/11/17 14:00

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	0.748		mg/kg dry	EPA 6020B	1	0.093	0.515	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
REPORTED: 5/22/2017 2:27:44PM
PROJECT #: 62102.02
PROJECT: Hillsboro Pines GC

Description: B-88-8
Matrix: Soil
Lab ID: 0015495-72
Sampled By: Ed Rahrig
Sampled: 05/11/17 12:18
Received: 05/11/17 14:00

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	0.102	U	mg/kg dry	EPA 6020B	1	0.102	0.568	05/16/17	05/16/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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, 24625,24626,24627,24628,2
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	05/12/17	05/12/17	DL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

PBEL

CHAIN OF CUSTODY RECORD

Log #: 15445
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 6325 W Aster Rd
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

LAB ANALYSIS

pH																		
PRES CODE	I																	
Parameters	As																	

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers		As									
1	B-74-0.5	5/11/17	0901	SO			1		✓									
2	B-74-2	↓	0902	↓			↓		✓									
3	B-74-4		0903						✓									
4	B-74-6		0904						✓									
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	↓			↓		✓									

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N

Initials: DM

IR GUN S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/11/17	1400	[signature]	PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.2 °C	✓		
Proper Preservatives indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Page 1 of 8

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24594

Draft

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15495
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Astor Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: [signature]

LAB ANALYSIS

pH																		
PRES CODE	I																	
Parameters	As																	
#	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		✓									
12	B-76-0.5	↓	933	↓			↓		✓									
13	B-76-2		934						✓									
14	B-76-4		935						✓									
15	B-76-6		936						✓									
ER 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	↓			↓		✓									

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/11/17	1400	[signature]	PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24624

Palm Beach Environmental Laboratories, Inc.

Log #: 15495
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Astor Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers
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				

LAB ANALYSIS

Parameters: As

	21	22	23	24	25	26	27	28	29	30
pH										
PRES CODE	I									
As	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N — Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/11/17	1400	[illegible]	PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.2°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24625

Palm Beach Environmental Laboratories, Inc.

Log #: 15495
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity QK	Total # containers	pH	PRES CODE	AS
31	B-80-0.5	5/11/17	1031	SO			1		I	✓
32	B-80-2		1032							✓
33	B-80-4		1033							✓
34	B-80-6		1034							✓
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: JDM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/11/17	1400	[illegible]	PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24626

Palm Beach Environmental Laboratories, Inc.

Log #: 15495
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
City: PSL , State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: EdRg / Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters									
										As									
41	B-82-2	5/11/17	1104	SO			1		I	✓									
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							✓									

LAB ANALYSIS

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water		
SW	Surface Water	O	Other (Plase 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

Standard	RUSH
Y/N	24 Hour 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: BM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/11/17	1400		PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24627

Palm Beach Environmental Laboratories, Inc.

Log #: B445
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.02
Sampler Signature / Name: Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: B5
51	B-84-0.5	5/11/17	1125	SO			1		I	✓
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							✓

LAB ANALYSIS

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/11/17	1400		05/11/17	1400	
						PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24628

Palm Beach Environmental Laboratories, Inc.

Log #: 15495
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
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

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As	
61	B-86-4	5/11/17	1153	SO			1		I	✓	
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							✓	

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/11/17	1400	Andrew Dan	PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓	—	—
Received on Wet Ice? Temp 2C	✓	—	—
Proper Preservatives Indicated?	✓	—	—
Received within holding time?	✓	—	—
Custody seals intact?	✓	—	—
Volatile rec'd without headspace?	—	—	✓
Proper Containers Used?	✓	—	—

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24629

Palm Beach Environmental Laboratories, Inc.

Log #: 15495
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 6202.02
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Intensity OK	Total # of containers	pH	PRES CODE	A5
71	B-88-6	5/11/17	1217	SO			1		I	✓
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										

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour — 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DH

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/11/17	1400	Adam Dom	PBEL	05/11/17	1400

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.2°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24630

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-4 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-10 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-15 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**89.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-20 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-25 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-30 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-1-35 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**96.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**90.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**87.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**92.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**87.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-5-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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-5-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**91.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**84.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/19/17	05/19/17	DL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15512
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
										AS
1	DB-1-0.5	5/16/17	948	SO			1		I	✓
2	DB-1-2		949							✓
3	DB-1-4		950							✓
4	DB-1-6		951							✓
5	DB-1-8		952							✓
6	DB-1-10		953							✓
7	DB-1-15		954							✓
8	DB-1-20		955							✓
9	DB-1-25		956							✓
10	DB-1-30		957							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

IR Gun 802273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/16/17	1445	[signature]	PBEL	5/16/17	1445

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp: 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24631

Palm Beach Environmental Laboratories, Inc.

Log #: 15512
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 6325W Aster Pl
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62/02.03
Sampler Signature / Name: Ed Rg / Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters									
										A5									
1	DB-1-35	5/16/17	958	SO			1		F	✓									
2	DB-2-0.5		1035							✓									
3	DB-2-2		1036							✓									
4	DB-2-4		1037							✓									
5	DB-2-6		1038							✓									
6	DB-2-8		1039							✓									
7	DB-2-10		1040							✓									
8	DB-2-15		1041							✓									
9	DB-2-20		1042							✓									
20	DB-2-25	↓	1043	↓			↓			✓									

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard	RUSH	QA/QC Report Level	COC OK	Initials
Y/N	24 Hour 48 Hour Date Due:	None 1 2 3 Other	(Y) N	DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/16/17	1445	Magd	PBEL	5/16/17	1445

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3° C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24606

Palm Beach Environmental Laboratories, Inc.

Log #: 15512
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsborolinks Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	A3
21	DB-2-30	5/16/17	1044	SO			1		I	✓
22	DB-2-35		1045							✓
23	DB-2-0.5		1135							✓
24	DB-3-2		1136							✓
25	DB-3-4		1137							✓
26	DB-3-6		1138							✓
27	DB-3-8		1139							✓
28	DB-3-10		1140							✓
29	DB-3-15		1141							✓
30	DB-3-20		1142							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
		Ed Rahrig	5/16/17	1445		PBEL	5/16/17	1445

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24607

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15512
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig

LAB ANALYSIS

pH																		
PRES CODE	I																	
Parameters	As																	

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters	As									
31	DB-3-25	5/16/17	1143	SO			1		✓									
32	DB-3-30		1144						✓									
33	DB-3-35		1145						✓									
34	DB-4-0.5		1301						✓									
35	DB-4-2		1302						✓									
36	DB-4-4		1303						✓									
37	DB-4-6		—						✓									no recovery
38	DB-4-8		12						✓									no recovery
39	DB-4-10		1306						✓									
40	DB-4-15		1307						✓									

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Edward G	Ed Rahrig	5/16/17	1445	[signature]	PBEL	5/16/17	1445

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24608

Palm Beach Environmental Laboratories, Inc.

Log #: 15512
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name:

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters										
										AS										
1	DB-4-20	5/16/17	1308	SO			1		I	✓										
2	DB-4-25		1309							✓										
3	DB-4-30		1310							✓										
4	DB-5-0.5		1357							✓										
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							✓										
10	DB-5-15		1357							✓										

no recovery

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard Y/N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: JM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
		Ed Rahrig	5/16/17	1445		PBEL	5/16/17	1445

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24609

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15512
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name Ed Rahrig / Ed Rahrig

LAB ANALYSIS

pH																	
PRES CODE	I																
Parameters	As																

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	As
S1	DB-5-20	5/16/17	1358	SO			1	✓
S2	DB-5-25	↓	1359	↓			↓	✓
S3	DB-5-30	↓	1400	↓			↓	✓
4								
5								
6								
7								
8								
9								
0								

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/16/17	1445	[signature]	PBEL	5/16/17	1445

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp °C 3.9	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24610

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

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	0.493	05/29/17	05/29/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**87.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-6-25 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-6-30 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**92.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**87.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**84.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**84.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**90.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	95.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	79.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	81.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**84.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	82.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**93.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**92.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**87.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	66.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	80.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	82.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**84.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-11-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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-11-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	94.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	79.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	81.0		%	Calculation	1	1.0	1.0	05/24/24	05/25/17	DL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15548
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig

LAB ANALYSIS

Parameters: pH; PRES CODE; As

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	PRES CODE	As
_1	DB-6-0.5	5/23/17	909	SO			1	F	✓
_2	DB-6-2		910						✓
_3	DB-6-4		911						✓
_4	DB-6-6		912						✓
_5	DB-6-8		913						✓
_6	DB-6-10		914						✓
_7	DB-6-15		915						✓
_8	DB-6-20		916						✓
_9	DB-6-25		917						✓
L0	DB-6-30		0918						✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y) N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

IR Gun SO2273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/23/17	15:15	David Lee	PBEL	5/23/17	15:15

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.9°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24636

Palm Beach Environmental Laboratories, Inc.

Log #: 15548
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PGLLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pine Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Parameters: pH; PRES CODE; As

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	As
11	DB-7-0.5	5/23/17	1006	SO			1		I	✓
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							✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard (Y/N) Y; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N — Initials: JM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/23/2017	15:15	David Le	PBEL	5/23/17	15:15

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24637

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15548
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: [signature] / Ed Rahrig

LAB ANALYSIS

pH																		
PRES CODE	I																	
Parameters	As																	
21	DB-8-0.5	5/23/17	1056	So			1		✓									
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						✓									

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y) N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/23/2017	15:15	David Kal	PBEL	5/23/17	15:15

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.9°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24638

Palm Beach Environmental Laboratories, Inc.

Log #: 15548
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 6325W Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62702.03
Sampler Signature / Name: EdRg / Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity (Y/N)	Total # of containers	pH	PRES CODE	A									
31	DB-9-0.5	5/23/17	1245	SO			1			✓									
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							✓									

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y) N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: DH

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/23/17	15:15	David Xu	PBEL	5/23/17	15:15

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp: 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24639

Palm Beach Environmental Laboratories, Inc.

Log #: 15548
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62/02.03
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

Parameters

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of Containers	pH	PRES CODE	As
41	DB-10-0.5	5/23/17	1321	SO			1		I	✓
42	DB-10-2		1322							✓
43	DB-10-4		1323							✓
44	DB-10-6		1324							✓
45	DB-10-8		1325							✓
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y/N) RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	5/23/17	15:15	David Lee	PBEL	5/23/17	15:15

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.5 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?			
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24640

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15548
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig

LAB ANALYSIS

pH																			
PRES CODE	I																		
Parameters	As																		
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers												
51	DB-11-0.5	5/23/17	1356	SO			1		✓										
52	DB-11-2		1357						✓										
53	DB-11-4		1358						✓										
54	DB-11-6		1359						✓										
55	DB-11-8		1400						✓										
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						✓										

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N

Initials: DM

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	Ed Rahrig	5/23/2017	15:15	[signature]	PBEL	5/23/17	15:15

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp: 3.9 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24641

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	93.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-12-20 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-12-25 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**84.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-12-30 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	99.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**95.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	92.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**94.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**89.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**90.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
NA	**% Solids**	**89.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**98.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	96.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**97.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**87.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**88.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-0.5 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-2 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	98.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-4 **Lab ID:** 0015573-45 **Sampled:** 06/01/17 11:08
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 Date	Analysis Date	Analyst
7440-38-2	Arsenic	5.26		mg/kg dry	EPA 6020B	1	0.087	0.449	06/07/17	06/07/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-6 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	97.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-8 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-15 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-20 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**86.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-25 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	84.0		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-30 **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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**82.0**		%	Calculation	1	1.0	1.0	06/07/17	06/07/17	DL

Draft

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-16-8 R1
Matrix: Soil
Lab ID: 0015573-53
Sampled By: Ed Rahrig
Sampled: 06/01/17 11:10
Received: 06/01/17 12:00

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	9.39		mg/kg dry	EPA 6020B	1	0.003	0.227	06/20/17	06/20/17	SL

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	06/20/17	06/20/17	DM

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	06/20/17	06/20/17	DM

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

PBEL

CHAIN OF CUSTODY RECORD

Log #: 15573
PO #:
Quote #:
FDEP :

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig Ed Rahrig

LAB ANALYSIS

pH																		
PRES CODE	I																	
Parameters	As																	
1	✓																	
2	✓																	
3	✓																	
4	✓																	
5	✓																	
6	✓																	
7	✓																	
8	✓																	
9	✓																	
10	✓																	

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers
1	DB-12-0.5	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	↓			↓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request

Standard	RUSH
(Y) N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	6/1/17	12:00	Dave [illegible]	PBEL	6/1/17	12:00

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 24 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24632

Palm Beach Environmental Laboratories, Inc.

Log #: 15573
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PGLLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Parameters: As	pH	PRES CODE
11	DB-13-0.5	6/1/17	931	SO			1	✓		F
12	DB-13-2		932					✓		
13	DB-13-4		933					✓		
14	DB-13-6		934					✓		
15	DB-13-8		935					✓		
16	DB-13-10		936					✓		
17	DB-13-15		937					✓		
18	DB-13-20		938					✓		
19	DB-13-25		939					✓		
20	DB-13-30	V	940	V			V	✓		

LAB ANALYSIS

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard (Y/N) RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DH

I R Gun S02273

Item	Relinquished By	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	6/1/17	12:00	David Lee	PBEL	6/1/17	12:00

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?			
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24633

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15573
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Pd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As
									I	
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							✓

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — (Y)/N; 24 Hour; 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DH

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	6/1/17	12:00	Dawn Tu	PBEL	6/1/17	12:00

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?	✓		✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24634

Palm Beach Environmental Laboratories, Inc.

Log #: 15573
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters
									F	A5
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	V	1045	V			V		✓	

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y) N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DH

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	6/1/17	12:00	Dawn Lee	PBEL	6/1/17	12:00

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24635

Palm Beach Environmental Laboratories, Inc.

Log #: 15573
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PA LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name: Hillsboro Pines Proj#: 62102.05
Sampler Signature / Name: Ed Rahrig Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As									
										I									
41	DB-15-25	6/1/17	1046	SO			1			✓									
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							✓									

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y/N: Y) RUSH: 24 Hour / 48 Hour - Date Due

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N Initials: DM

IR Gun S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	6/1/17	12:00	Dave	PBEL	6/1/17	12:00

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24666

Palm Beach Environmental Laboratories, Inc.

Log #: 15573
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G Rahrig PG LLC
Address: 632 SW Aster Rd
City: PSL State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
email: Fax#:
Project Name Hillsboro Pines Proj#: 62102.03
Sampler Signature / Name Ed Rahrig Ed Rahrig

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters									
										As									
S1	DB-16-25	6/1/17	1114	SO			1		I	✓									
S2	DB-16-30	"	1115	"			4			✓									
_3																			
_4																			
_5																			
_6																			
_7																			
_8																			
_9																			
_0																			

LAB ANALYSIS

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	_24 Hour _48 Hour Date Due:

QA/QC Report Level: None__ 1__ 2__ 3__ Other__

COC OK: (Y) N

Initials: DH

S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	6/1/17	12:00	David Gal	PBEL	6/1/17	12:00

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp. 3.6°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24667

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0613		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0333		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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 Date	Analysis Date	Analyst
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 Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0340		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0055		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0230		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0361		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.000377	U	mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0533		mg/L	EPA 6020B	1	0.000377	0.005	04/17/17	04/19/17	DD

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15405
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G. Rahrig, P.G., LLC
Address: 6328 SW Aster Ld.
City: Port St. Lucie State: FL Zip: 34953
Attn: Edward Rahrig Phone#: 561 7384667
email: Edrahrig@comcast.net
Project Name: Hillsboro Pines GC Proj#: 62102.01
Sampler Signature / Name: Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: As-total	As-dissolved	pH 4/13/17 PS pH As total
1	MW-1	4/13/17	0908	GW			2		ID	✓	✓	<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

Matrix Codes

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)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: PS

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	4/13/17	17:35		PBEL	4/13/17	17:35

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2.6 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 24496

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0036	I	mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.1444		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0255		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0603		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0118		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0098		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0989		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0284		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0244		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0213		mg/L	EPA 6020B	1	0.000377	0.005	04/25/17	04/25/17	DD

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

Log #: 15413
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: Edward G. Rahrig, P.G. LLC
Address: 632 SW Astel Rd
City: Port St Lucie State: FL Zip: 34953
Attn: Ed Rahrig Phone#: 561-738-4667
email: Fax#:
Project Name: Hillsboro Pines Golf Course Proj#: 62102.01
Sampler Signature / Name: Ed Rahrig

| # | Sample Label (Client ID) | Collect Date | Collect Time | Matrix | Field Filtered | Intensity OK | Total # of containers | pH | PRES CODE | Parameters: As total | As dissolved | Fe dissolved | Fe total | TDS | TSS | | |

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 2017	

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)
= (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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 08:58	PURGING ENDED AT: 0908	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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X Y / N	TUBING X Y / N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (L per minute)
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

Draft

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	SAMPLER(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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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)
= (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): 9.64	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	CLR	none
1001	1.0	2.0	0.2	7.72	6.76	26.3	771	0.9	16.0	CLR	none
1004	0.5	2.5	0.2	7.72	6.76	26.1	767	0.7	9.36	CLR	none
1007	0.5	3.0	0.2	7.72	6.76	26.4	762	0.6	8.08	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): 9.64	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3	1	PE	100 ML	NONE	—		AS	PP	0.2 gpm
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

Draft

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	SAMPLER(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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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

Draft

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 7.72 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)
= (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 0914 GR feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.08	PURGING INITIATED AT: 0917	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) µmhos/cm or mS/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** = 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: 0945	SAMPLING ENDED AT: 0955
PUMP OR TUBING DEPTH IN WELL (feet): 12.08	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5	1	PE	100 ML	NONE	–		AS	PP	0.13 gpm
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** = 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

Draft

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)
1136	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** = 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: 1143	SAMPLING ENDED AT: 1150

PUMP OR TUBING DEPTH IN WELL (feet): 11.29	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X 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 gpm
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** = 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

Draft

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: 3.5 feet to 13.5 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)
= (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): 8.73	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):	SAMPLING INITIATED AT: 1257	SAMPLING ENDED AT: 1305
PUMP OR TUBING DEPTH IN WELL (feet): 8.73	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N	FILTER SIZE: ____ µm
		Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL~~ per minute)
MW-7	1	PE	100 ML	NONE	—		AS	PP	0.15 GPM
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

Draft

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 Apr. 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): 7.40 ~~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)
= (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): 9.40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.40	PURGING INITIATED AT: 1317	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons): 4.0

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** = 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: 1340	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 9.40	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE ~~(mL per minute)~~ GPM
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** = 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

Draft

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 14.62 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	246	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: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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

Draft

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: 4.4 feet to 14.4 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)
= (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): 9.03	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.03	PURGING INITIATED AT: 1433	PURGING ENDED AT: 1500	TOTAL VOLUME PURGED (gallons): 4.0

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)
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** = 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: 1500	SAMPLING ENDED AT: 1575
PUMP OR TUBING DEPTH IN WELL (feet): 9.03	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: ~~PUMP~~ X N	~~TUBING~~ X N (replaced)	~~DUPLICATE:~~ X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per~~ minute)
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** = 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

Draft

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 Apr 2017		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5"	0.25"	feet to feet	8.48'	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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
10.48	10.48	1008	1033	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	yellowish brown	
1026	1.0	2.0	↓	8.62	6.57	26.6	275	1.2	61.1	yellowish brown	
1026	1.0	3.0		8.67	6.52	26.6	262	1.3	67.9	yellowish brown	
1033	1.0	4.0		8.67	6.47	26.6	250	1.3	62.2	yellowish brown	

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
ED RAHRIG		1033	1040

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
	PE		

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE ~~(mL per minute)~~ gpm
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

Draft

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

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	Yel Cldy	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** = 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: 1110	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 8.41	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N (circle) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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** = 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

Draft

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: 4.68 feet to 14.68 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)
= (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): 9.90	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	Copious
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):	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1155
PUMP OR TUBING DEPTH IN WELL (feet): 9.90	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~ml per minute~~) gpm
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; **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

Draft

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	

PURGING DATA

4.60 14.60 GR

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4.60 feet to 14.60 feet GR	STATIC DEPTH TO WATER (feet): 9.12	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)
GR = gallons + (GR gallons/foot X GR feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.12	PURGING INITIATED AT: 1106	PURGING ENDED AT: 1132	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)
1113	1.0	1.0	0.15	9.30	6.19	26.4	194.7	0.9	222	brn cldy	none
1118	1.0	2.0	↓	9.30	6.17	26.4	194.4	0.7	207	brn cldy	none
1125	1.0	3.0	↓	9.30	6.14	26.4	191.7	1.0	209	brn cldy	none
1132	1.0	4.0	↓	9.30	6.11	26.6	187.7	1.1	197	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):	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 11.12	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X 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	0.15
MW-14	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

Draft

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 Apr, 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 4,66 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): 4,0

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)
1250	1,0	1,0	0,19	6,54	6,66	26,5	405,9	1,3	317 brn cldy		None
1256	1,0	2,0	↓	6,54	6,64	26,5	391,0	0,5	237 brn cldy		None
1300	1,0	3,0		6,54	6,62	26,4	375,2	0,4	170 brn cldy		None
1306	1,0	4,0	↓	6,54	6,59	26,3	360,2	0,2	157 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 = Bladdar 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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
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 = 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

DRAFT

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	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** = 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: 1110	SAMPLING ENDED AT: 1115
PUMP OR TUBING DEPTH IN WELL (feet): 12.62	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
MW-16	1	PE	100 ML	NONE	–		AS	PP	0.15
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** = 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

Draft

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 Apr 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 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)
= (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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X	N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
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** = 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

Draft

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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
~~FIELD DECONTAMINATION:~~ ~~PUMP~~ X N	~~TUBING~~ X N (replaced)	~~DUPLICATE:~~ X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~) gpm
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)

Revision Date: February 12, 2009

Draft

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):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5"	0.25"	4.64 - 14.64 feet	6.58	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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
8.58	8.58	1505	1516	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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
ED RAHRIG		1516	1535

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
8.58	PE		

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-19	2	PE	100 ML	NONE	~		AS	PP	0.18
MW-19	2	PE	100 ML	HNO3	~		AS	PP	0.18
	(ER)								

gpm

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; 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

Draft

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 Apr. 2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: 44.66 feet to 54.66 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)
= (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 1500 feet) + gallons = gallons

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	197	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** = 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: 1553	SAMPLING ENDED AT: 1610
PUMP OR TUBING DEPTH IN WELL (feet): 7.35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL per minute~~)
MW-20	1	PE	100 ML	NONE	—		AS	PP	0.17
MW-20	1	PE	100 ML	HNO3	✓		AS	PP	0.17

FPM

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

Draft

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0880	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/23/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0550	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0350	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0200	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0046	AL1, I	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0021	AL1, U	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0180	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0021	AL1, U	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0720	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0250	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/22/17	08/22/17	SL

Draft

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

Draft

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15799
PO #:
Quote #:
FDEP :

Company Name: Edward Rahrig, P.E., LLC
Address: 1086 SW Sultan Dr
City: Port St Lucie State: FL Zip: 34953
Attn: Ed Rahrig Phone#:
Email: edrahrig@comcast.net
Project Name: Century Village Proj#: 62102.01
Sampler Signature / Name: Ed Rahrig / Ed Rahrig

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: Total As	Parameters: Diss As
1	MW-1	8/16	0815	GW			2		BI	✓	✓
2	MW-2		0838						I	✓	✓
3	MW-3		0906							✓	✓
4	MW-4		0932							✓	✓
5	MW-16		1004							✓	✓
6	MW-5		1039							✓	✓
7	MW-6		1104							✓	✓
8	MW-7		1128							✓	✓
9	MW-8		1155							✓	✓
10	MW-9	✓	1220	✓			✓			✓	✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request: Standard / RUSH — Y/N — 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials: DM

IR Gun 502273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	8-16-17	13:20		PBEL	8/16/17	13:20

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp ___°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Draft

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 25133

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

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0830	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0820	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0560	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.2100	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0850	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0180	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0220	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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-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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.2400	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0540	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
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

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.0830	AL1	mg/L	EPA 6010	1	0.0021	0.0100	08/24/17	08/24/17	SL

Draft

Notes and Definitions

AL1 Analysis performed by Advanced Environmental Cert# E82574
6681 Southpoint Parkway Jacksonville FL 32216

Draft

Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 15801 ✓
PO #:
Quote #:
FDEP :

Company Name: Edward Rahrig P.G., LLC
Address: 1086 SW Sultan Dr.
City: Port St. Lucie State: Zip: FL 34953
Attn: Ed Rahrig Phone#:
email: Edrahrig@comcast.net
Project Name: Century Village Proj#: 62102.01
Sampler Signature / Name: Ed Rahrig Ed Rahrig

LAB ANALYSIS

pH		
PRES CODE	BI	I
Parameters	Total As	Dissolved As

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	Total As	Dissolved As
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					✓	✓

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
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	

T.A.T. Request

Standard	RUSH
Y/N	24 Hour / 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N

Initials: DM

IRGUN S02273

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	Ed Rahrig	Ed Rahrig	8/17/17	13:25	Luis Ortiz	PBEL	8/17/17	13:25

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 3.3 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Page 1 of 1

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 25135

Draft

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 = 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: 0815	SAMPLING ENDED AT: 0820
PUMP OR TUBING DEPTH IN WELL (feet): 7.85	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N; Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X Y / N	TUBING X Y / N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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** = 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

Draft

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: 8-16-2017	

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.65 feet	STATIC DEPTH TO WATER (feet): 6.15	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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
8.15	8.15	0831	0838	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)
0833	0.5	0.5	0.2	6.22	6.85	28.9	613	1.9	1.26	CLR	none
0835	0.5	1.0	↓	6.22	6.79	28.8	639	1.4	1.20	CLR	none
0838	0.5	1.5	↓	6.22	6.76	28.8	636	1.2	1.21	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: 0838	SAMPLING ENDED AT: 0842
PUMP OR TUBING DEPTH IN WELL (feet): 8.15	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-2	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)

Revision Date: February 12, 2009

Draft

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: feet to 14.5 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): E. Rahrig	SAMPLING INITIATED AT: 0906	SAMPLING ENDED AT: 0915
PUMP OR TUBING DEPTH IN WELL (feet): 7.44	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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: feet to 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	455.1	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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; **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

Draft

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: feet to 14.62 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)
= (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 0950 feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 1.5
10.21	10.21			

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)
1058	0.5	0.5	0.19	8.26	7.17	30.4	498	4.8	4.51	CLR	CLR
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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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	46.6	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** = 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: 1039	SAMPLING ENDED AT: 1043
PUMP OR TUBING DEPTH IN WELL (feet): 9.18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y 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** = 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

Draft

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: feet to 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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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: feet 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	443.1	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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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: feet to 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):	SAMPLING INITIATED AT: 1155	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 7.80	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	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)

Revision Date: February 12, 2009

Draft

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: 8-16-2017

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): 5.14	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): 7.14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.14	PURGING INITIATED AT: 1210	PURGING ENDED AT: 1220	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)
1213	0.5	0.5	0.20	5.18	6.84	26.5	445.3	3.2	12.8	CLR	none
1215	0.5	1.0	↓	5.18	6.85	26.6	472.7	13.4	8.85	CLR	none
1218	0.5	1.5		5.18	6.84	26.4	501	5.7	6.57	CLR	none
1220	0.5	2.0		5.18	6.78	26.4	509	3.2	6.52	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: 1220	SAMPLING ENDED AT: 1230
PUMP OR TUBING DEPTH IN WELL (feet): 7.14	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-9	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)

Revision Date: February 12, 2009

Draft

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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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: 8-17-17

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 19.75 feet	STATIC DEPTH TO WATER (feet): 7.14	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 0.17 feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
9.14	9.14	0734	0745	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)
0740	0.5	0.5	0.19	7.22	6.23	28.7	254.5	1.7	9.08	CLR	none
0742	0.5	1.0	↓	7.22	6.23	28.6	255.0	1.5	10.2	CLR	none
0745	0.5	1.5	↓	7.22	6.21	28.6	254.6	1.6	10.2	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: 0745	SAMPLING ENDED AT: 0749
PUMP OR TUBING DEPTH IN WELL (feet): 9.14	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N; Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	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)

Revision Date: February 12, 2009

DRAFT

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	Clr	None
0803	0.5	1.0	↓	5.22	5.55	26.6	275.3	1.5	17.9	Clr	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** = 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: 0808	SAMPLING ENDED AT: 0815

PUMP OR TUBING DEPTH IN WELL (feet): 7.18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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** = 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

DRAFT

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: 8-17-17

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 0.25"	WELL SCREEN INTERVAL DEPTH: feet to 14.65 feet	STATIC DEPTH TO WATER (feet): 6.60	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): 8.60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.60	PURGING INITIATED AT: 0824	PURGING ENDED AT: 0837	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)
0826	0.5	0.5	0.19	6.68	6.16	27.5	374.8	2.1	25.4	Brown	None
0827	0.5	1.0	↓	6.68	6.12	27.5	371.4	2.1	22.9	Brn	None
0832	0.5	1.5		6.68	6.03	27.5	369.7	1.6	19.4	Brn	None
0834	0.5	2.0		6.68	6.00	27.5	368.5	1.5	17.2	Brn	None
0837	0.5	2.5	↓	6.68	5.97	27.4	370.2	1.6	16.5	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: 0837	SAMPLING ENDED AT: 0840

PUMP OR TUBING DEPTH IN WELL (feet): 8.60	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-13	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)

Revision Date: February 12, 2009

Draft

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: feet to 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)
= (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): 9.90	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: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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: feet to 10.65 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)
= (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) + 1011 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: 1005	PURGING ENDED AT: 1015	TOTAL VOLUME PURGED (gallons): ~~1014~~ 1.5 EL

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	0.25	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: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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)

Revision Date: February 12, 2009

Draft

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: feet to 14.68 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 (mS/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 = 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: 1037	SAMPLING ENDED AT: 1043
PUMP OR TUBING DEPTH IN WELL (feet): 7.94	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y / N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y / N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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** = 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

Draft

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: feet to 18.54 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** = 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): 11.68	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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** = 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

Draft

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: feet to 9.64 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)
= (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): 7.25	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~~ 0.5	3.52	CLR	none
								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):	SAMPLING INITIATED AT: 1129	SAMPLING ENDED AT: 1135

PUMP OR TUBING DEPTH IN WELL (feet): 7.25	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP X N TUBING X N (replaced) DUPLICATE: X N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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; **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

DRAFT

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	Milky	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 = 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: 1210	SAMPLING ENDED AT: 1220
PUMP OR TUBING DEPTH IN WELL (feet): 6.00	TUBING MATERIAL CODE: PE	FIELD-FILTERED: X N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP X N	TUBING X N (replaced)	DUPLICATE: X N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
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 = 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

DRAFT

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 6-17-281WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✔ Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ 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 Jaee@bellsouth.net

*Contractor's Signature _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) w smitherman

DRAFT

*Permit No. 6-17-281WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	tan	m.f	sands
From ft.	To ft.	Color	Grain Size (F, M, C)	Material

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 6-17-282WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✓ Monitoring
____Test
____Earth-Coupled Geothermal
____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.)

DRAFT

*Permit No. 6-17-282WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	TAN	M/F	SAND
ft.	ft.			
ft.	ft.			
ft.	ft.		

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 6-17-280WP *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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
____Site Investigation
✓ Monitoring
____Test
____Earth-Coupled Geothermal
____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 _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) w smitherman

DRAFT

*Permit No. 6-17-280WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	TAN	M/F	SAND
ft.	ft.			
ft.	ft.			
ft.	ft.		

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
____Bottled Water Supply
____Public Water Supply (Limited Use/DOH)
____Public Water Supply (Community or Non-Community/DEP)
____Class I Injection
____Landscape Irrigation
____Recreation Area Irrigation
____Agricultural Irrigation
____Livestock
____Nursery Irrigation
____Commercial/Industrial
____Golf Course Irrigation
✓Site Investigation
✓Monitoring
____Test
____Earth-Coupled Geothermal
____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.)

DRAFT

*Permit No. 6-17-279WP

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	To	Color	Grain Size (F, M, C)	Material
0 ft.	15 ft.	TAN	M/F	SAND
ft.	ft.			
ft.	ft.			
ft.	ft.		

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

Draft

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.

Draft

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.

Draft

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 ($1x10^{-6}$ 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

Draft

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 cm^2 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

Draft

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.

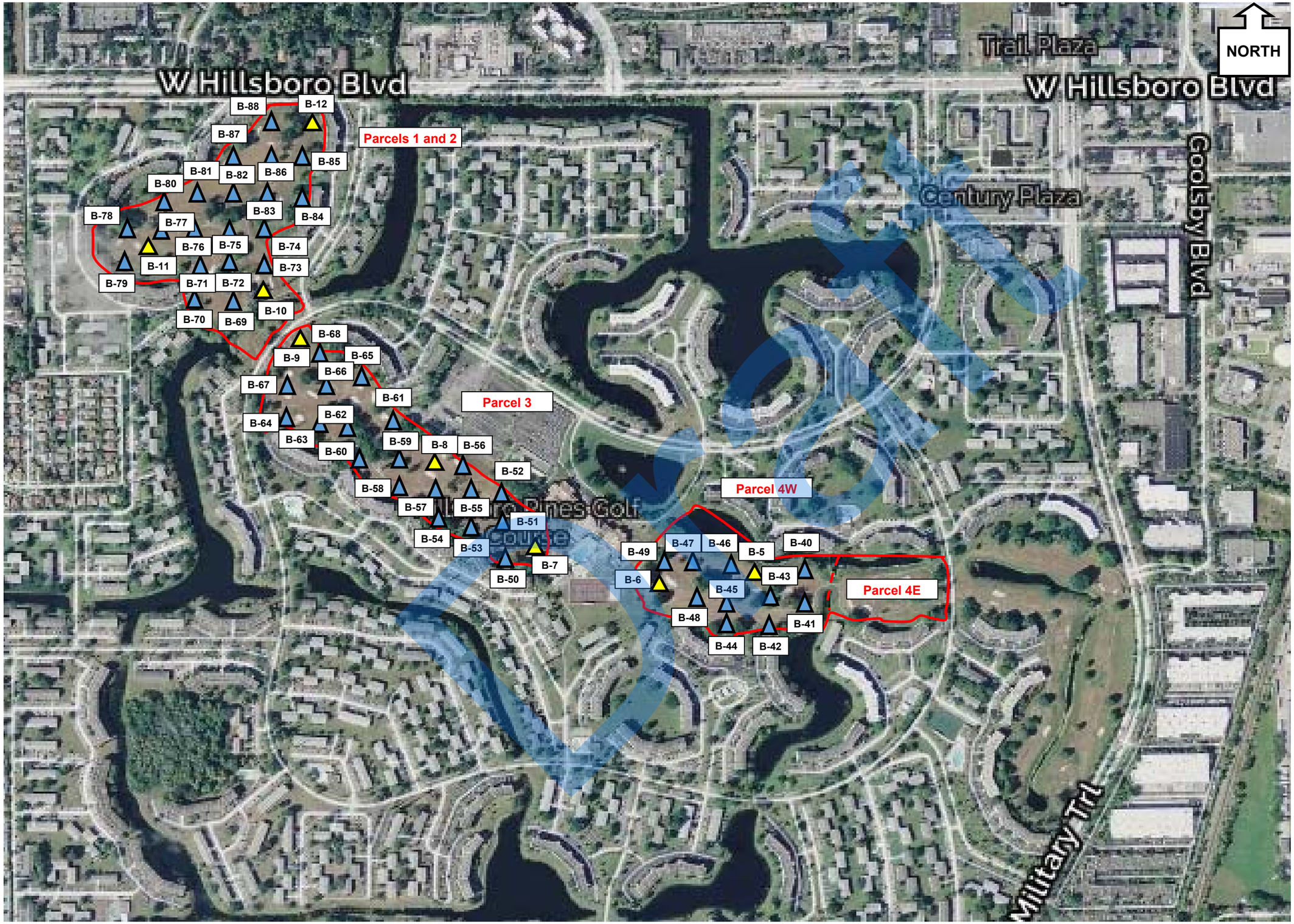
USEPA (U.S. Environmental Protection Agency). 2015. Statistical Software ProUCL 5.1.002 for Environmental Applications for Data Sets with and without Nondetect Observations. October 2015.

Draft

ATTACHMENT A

Figures

Draft



Site Assessment Report
Hillsboro Pines Golf Course
Century Boulevard
Deerfield Beach, Florida

Date: September 3, 2017
Figure No.: 1
Drawn By: ER
Job No.: 62102.05

Soil Boring Location Map
Parcels 1 through 4

EDWARD G. RAHRIG, P.G. LLC
1086 SW Sultan Drive
Port St. Lucie, Florida 34953
Tel: (561) 738-4667 Fax: (888) 848-0816

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 $(mg/kg \bullet day)^{-1}$.	1.50E+00	1.50E+00
SF_d	Dermal Slope Factor expressed in $(mg/kg \bullet day)^{-1}$ (SFo / GIABS of 95%; FDEP, 2005).	1.58E+00	1.58E+00
SF_i	Inhalation Slope Factor expressed in $(mg/kg \bullet day)^{-1}$ (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.

Draft

ATTACHMENT B

Tables

Draft

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).

Draft

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.

Draft

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 95% UCL of Mean Concentration (mg/kg)	FDEP Default Residential SCTL (mg/kg)	FDEP Default Industrial SCTL (mg/kg)	Site Child/ Adolescent Recreational ASCTL * (mg/kg)	Site Landscape Maintenance Worker ASCTL * (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.

Draft

ATTACHMENT C

ProUCL Output Files

Draft

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	**Normal GOF Test on Detected Observations Only**	
5% Shapiro Wilk P Value	5.694E-12	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.198	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.118	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	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.769	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0925	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.121	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

Draft

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>=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>=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

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.

Draft

As P1234 2'

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	**Normal GOF Test on Detected Observations Only**	
5% Shapiro Wilk P Value	1.1162E-9	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.156	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.122	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	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.769	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.071	**Kolmogorov-Smirnov GOF**	
5% K-S Critical Value	0.126	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>=50)	2.28	95% Gamma Adjusted UCL (use when n<50)	2.296

Draft

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>=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		DL/2 Log-Transformed	
Mean in Original Scale	1.753	Mean in Log Scale	-0.0327
SD in Original Scale	1.766	SD in Log Scale	1.324
95% t UCL (Assumes normality)	2.144	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

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.

Draft

As P1234 6" and 2'

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>=50)	3.366	95% Gamma Adjusted UCL (use when n<50)	3.373

Draft

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>=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		DL/2 Log-Transformed	
Mean in Original Scale	2.827	Mean in Log Scale	0.446
SD in Original Scale	3.141	SD in Log Scale	1.299
95% t UCL (Assumes normality)	3.315	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

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.

Draft

APPENDIX G

Site Photographs

Draft

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

Appendix G	*November 2018*	*Scale: NTS*

Site 02 – Deerfield Beach City-Well FA-2, 2450 SW 10th Street, active city well; the emergency generator AST was observed in the field.

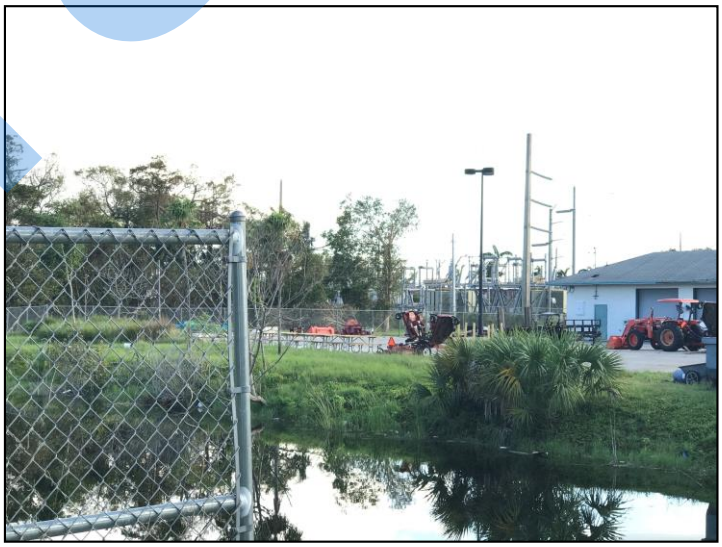
Site 03 – Home Aide Diagnostics, Inc. (Formerly Konica Graphic Imaging Intl. Inc.), 1072 S Powerline Road; facility currently operates as a wholesale medical supplier

Site 04 – All Med Pharmacy, 1052 S Powerline Road, active pharmacy; generator and AST were observed in the field

DRAFT

Site 05 – Public Storage (Formerly Farmer & Irwin Corp.), 3301 SW 11th Street, active commercial public storage business; no ASTs were observed.

Draft



Draft

Site 06 – Quiet Waters Park Debris Staging Area, 401 S Powerline Road

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

Draft

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

Draft

Site 10 – Vacant Storefront, 1141 S Military Trail, former dry cleaner

Site 11 – Neighborhood Walmart, 1101 S Military Trail, active grocery store

Draft

Site 12 – City of Deerfield Beach/Turner Envirologic, 1140 SW 34th Avenue; this site has a Brownfield Area designation

Draft

Draft

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

Draft

Site 16 – Man-Con Inc, 3460 SW 11th Street, could not confirm presence or absence of storage tanks

Draft

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

Appendix G	November 2018	Scale: NTS

Site 17 – Nanak's Landscaping, 998 S Military Trail, AST confirmed

Draft

Site 18 – Cache Cleaners, 1151 S Powerline Road, onsite dry cleaning facility

Draft

Site 19 – Deerfield Beach City-Well #17, 994 S Military Trail, active well; AST confirmed onsite

Draft

Site 20 – Rexall Sundown, 1111 SW 30th Avenue, one underground storage tank

Site 21 – Entegra Roof Tile (Formerly Hanson Roof Tile), 1340 SW 34th Avenue, presence or absence of ASTs were not confirmed

Site 22 – Hardrives Asphalt Co, 1200 S Powerline Road, ASTs were confirmed

Draft