



Florida Department of  
**TRANSPORTATION**

# **CGP & Dewatering Compliance Overview August 2022**

Steven Kelly- D1 Maintenance Environmental Specialist

# Construction Generic Permit (CGP)

 Permit effective in February 2015.

 Plain English format.

## This Document Constitutes Your Permit

<b>PART 1: PERMIT COVERAGE</b>	
	<i>Do I need this permit for my project?</i>

### 1.1 When is this permit required?

An NPDES Stormwater construction generic permit is required for any construction activities that:

- 1.1.1 Disturb one or more acres of land or disturb less than one acre of land but are part of a common plan of development or sale; and
- 1.1.2 Discharge stormwater to surface waters of the state or to surface waters of the State through a municipal separate storm sewer system (MS4).

You, the Responsible Authority, shall apply either for an individual permit or for coverage under this National Pollutant Discharge Elimination System (NPDES) Construction Generic Permit (CGP). The Responsible Authority of a construction activity is ultimately responsible for obtaining and complying with this permit.

### 1.2 What does the CGP allow me to do?

The CGP allows you to discharge surface stormwater associated with large or small construction activity to waters of the State, either directly or through an MS4.

### 1.3 If I obtain the CGP, do I still need an Environmental Resource Permit (ERP) or other permit?

Obtaining coverage under the CGP does not relieve you of the requirement to obtain an Environmental Resource Permit (ERP). If an ERP is required then contact the Department, the appropriate water management district, or a delegated local program for more information. You may also need to obtain other required permits from federal, state, or local governments.

### 1.4 Do I need this permit if I am one of several contractors working at a common site?

- 1.4.1 If you are a contractor or subcontractor acting under the direction of an operator or other entity who has received coverage under the CGP for your construction activities, you do not have to obtain your own coverage under this permit, but must be named on the operator's SWPPP and separately sign the SWPPP certification (see Part 4.5).

# 1.5 Are there any limitations on coverage?

- ☁ The following stormwater discharges are not authorized by this permit.
  - 💧 1.51 Cause or contribute to a violation or surface water quality standards;
  - 💧 1.5.4 Discharges that are mixed with sources of non-stormwater;



# 2.1 Notice of Intent (NOI) / Application

## Additional Questions

💧 ERP Permit?

💧 SWPPP

Developed?

💧 Dewatering?



### NOTICE OF INTENT TO USE NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (RULE 62-621.300(4), F.A.C.)

You must submit this completed Notice of Intent (NOI) form to the Department to get coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities provided in subsection 62-621.300(4), F.A.C. The Generic Permit document [DEP Document 62-621.300(4)(a)] tells you what construction activity qualifies for coverage, how you obtain and terminate coverage, what you must do to minimize pollution from your construction site, and what conditions apply to your project to use the generic permit. **You must submit the appropriate generic permit fee, as specified in paragraph 62-4.050(4)(d), F.A.C., with this NOI Form to obtain permit coverage.** You must read and understand the requirements of the generic permit document and the attached instructions before completing this NOI form. **Please print or type information in the appropriate areas below.**

For construction activities also requiring an Individual Environmental Resource Permit (ERP), under Chapter 62-330, F.A.C.:

If your construction activities are already authorized by a valid Individual ERP issued by the Department, Water Management District or a Delegated Local Government, you may also elect to use this NOI form to provide the required notice of commencement of construction, in lieu of Form 62-330.350(1) ("Construction Commencement Notice").

Do you wish to also provide notice of commencement of construction activities authorized under an Individual ERP permit through the use of this form?  Yes  No

#### I. IDENTIFICATION NUMBER:

A. Facility ID (if renewing coverage): \_\_\_\_\_

B. ERP Permit Number\* (if applicable): \_\_\_\_\_

C. ERP Permitting Agency (if applicable): \_\_\_\_\_

\*If the ERP permit authorizes phased construction, please also indicate which phase.

#### II. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED AND READY TO BE IMPLEMENTED: Yes No

\*If No, you may not submit your NOI at this time.

#### III. APPLICANT INFORMATION:

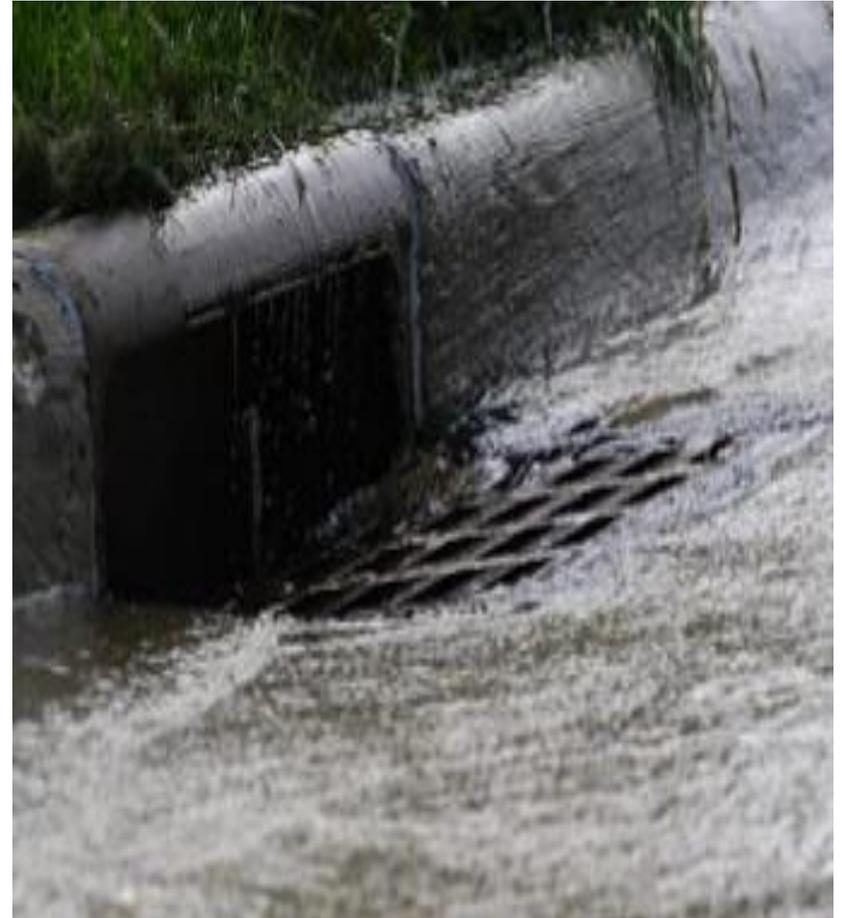
A. Operator Name: * ERP Permittee Name (if different than "Operator"), if applicable:		B. Operator Status:
C. Address:		
D. City:	E. State:	F. Zip Code:
G. Responsible Authority:		

Page 1 of 6

DEP Form 62-621.300(4)(b)  
Effective Date: 02/2015

## 3.2 Allowable Non-Stormwater Discharges

- ☁️ **3.2.3** Waters without detergents used to spray off loose solids from vehicles.
- ☁️ **3.2.4** Waters used to control dust.
- ☁️ **3.2.12** Non-contaminated groundwater associated with dewatering.



# 3.3 Prohibited Non-Stormwater Discharges

- ☁️ **3.3.1** Wastewater from concrete washouts.
- ☁️ **3.3.2** Wastewater from washout or cleanout of stucco, paint, form releasing oils, **curing compounds**, and other construction materials.
- ☁️ **3.3.3** Fuels, oils, or other pollutants from vehicle and equipment operation and maintenance.



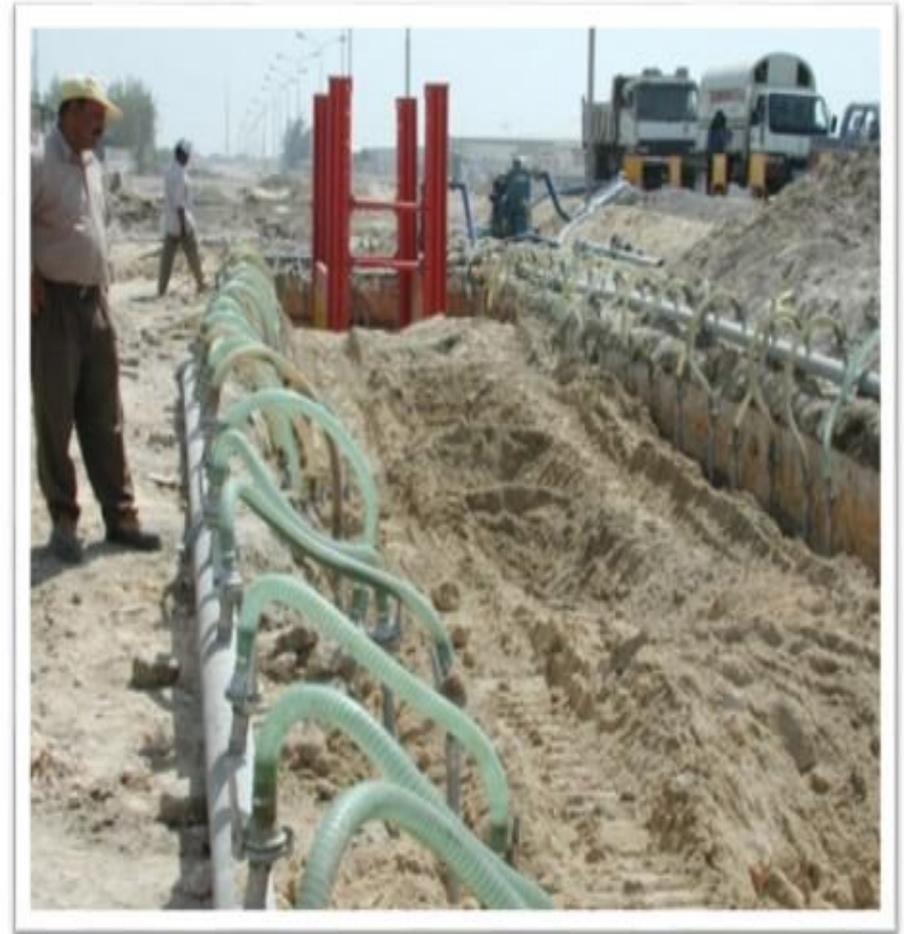
# 3.3 Prohibited Non-Stormwater Discharges

- ☁️ **3.3.4** Soaps, detergents, solvents, or other cleaners.
- ☁️ **3.3.6** Solids materials, including building materials.
- ☁️ **3.3.7** Any other non-stormwater discharge not specifically allowed by Part 3.2 of the CGP.



# 3.4 Groundwater Dewatering Operations

- ☁ **3.4.1** The CGP authorizes the discharge of uncontaminated ground water.
- ☁ **3.4.3** An uncontaminated site must meet the following conditions:
  - 💧 Not a contaminated site and no identified contamination within 500 feet.
  - 💧 Contaminated site but DEP documentation confirms remediation or no pollutants of concern in groundwater.



# 6.1 Inspections

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☁️ **6.1** “Your site must be inspected at least once every seven calendar days and within 24 hours of the end of a storm event that is 0.50 inches or greater. (even if it rains on the weekend or holiday).”

## 6.5 Can I temporarily suspend weekly/0.5-inch inspections?

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 **6.5.2** You may reduce the frequency of inspections to once per month on your site if you:

- 💧 Achieved temporary stabilization that is successful at stabilizing the site for the duration of your suspended construction activities.
- 💧 Update your SWPPP explaining why you are suspending construction activities.

# 7.1 Notice of Termination

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☁️ 7.1 Within **14 calendar days** after your site has achieved final stabilization and all discharges are eliminated, submit a Notice of Termination (NOT).

- 💧 There is no fee to submit a NOT.

- 💧 You can submit a NOT electronically:

<http://www.fldepportal.com/go/submit-termination/>



## 9.2 Release of Hazardous Substances

- ☁️ **9.2.1** The operator must notify the State Watch Office (800-320-0519) as soon as he or she has knowledge of the discharge of hazardous substance.
- ☁️ **9.2.2** The operator must submit, with 14 calendar days of the release, a written description to the NPDES Stormwater Notices Center.



# FDEP Public Notice of Pollution

 In accordance with 403.077, F.S., “reportable releases” are required to be reported to the FDEP Public Notice of Pollution.

 This is in addition to any obligation to report to the State Watch Office.

## Public Notice of Pollution

[Home](#) » [How Do I](#) » Public Notice of Pollution

Public Notice of Pollution	Quick Links
<p>Protecting Florida's pristine environment is the Florida Department of Environmental Protection's top priority. Pursuant to section 403.077, F.S., the department is establishing a method for regulated entities to submit Public Notices of Pollution for reportable releases. Additionally, the department is making available to the public all notices received to date as well as offering an email subscription service for interested parties to be informed of notices submitted for their area of interest.</p> <p>Reporting entities should be aware that, while submission of a notice through this website complies with the requirements of section 403.077, F.S., it does not relieve them of any obligation to report to the <a href="#">State Watch Office</a>.</p> <p><a href="#">Submit or Update Notice</a></p> <p>While the preferred method for reporting is to use the link above, you may also report via email using the <a href="#">Pollution Notice Form</a> and send it to <a href="mailto:Pollution.Notice@FloridaDEP.gov">Pollution.Notice@FloridaDEP.gov</a>.</p> <p>If you wish to receive notifications whenever a notice is submitted to the department, you may sign up for our notification list below.</p> <p><a href="#">Subscribe to Receive Notifications</a></p> <p>To view any notices that have been submitted under this statute.</p> <p><a href="#">View Submitted Notices</a></p>	<ul style="list-style-type: none"><li>• <a href="#">Submit or Update Notice of Pollution</a></li><li>• <a href="#">Subscribe to Receive Notifications</a></li><li>• <a href="#">View Submitted Notices</a></li><li>• <a href="#">Section 403.077, F.S.</a></li><li>• <a href="#">Pollution Notice Form</a></li><li>• <a href="#">About Public Notice of Pollution</a></li></ul>



# Keys to Construction Compliance



	Visual Rating	Amount of Sediment Leaving the Construction Site	Corrective Action(s)
<b>Construction Site Visual Inspection</b>	<b>Good</b>	<b>No sediment leaving the construction site</b>	N/A
	<b>Fair</b>	<b>A Shovel Full or a small amount that can be swept with a broom (Minor Amount of Sediment)</b>	<ol style="list-style-type: none"> <li>1. Return fugitive sediment to the site.</li> <li>2. Reset sediment and erosion controls, as necessary.</li> </ol>

	Visual Rating	Amount of Sediment Leaving the Construction Site	Corrective Action(s)
<b>Construction Site Visual Inspection</b>	<b>Poor</b>	<b>Fills a Wheel Barrel or a couple of Wheel Barrels (Moderate Amount of Sediment)</b>	<ol style="list-style-type: none"> <li>1. Return fugitive sediment to site.</li> <li>2. Determine why so much sediment is exiting.</li> <li>3. Adjust and / or add appropriate sediment and erosion controls.</li> <li>4. Revise your Stormwater Pollution Prevention Plan, as necessary.</li> </ol>
	<b>Significant Out of Compliance</b>	<b>Fills a Pick-up Truck to Dump-Truck (Large Amount of Sediment)</b>	



# Best Management Practices for Dewatering





# BMPs for Dewatering

## Typical Pumping Methods:

- Rim Ditch (Sump)
- Sock System (Horizontal Well)
- Well Point System (Vertical Well)





# BMPs for Dewatering

## Rim Ditch Systems

- **Poorest water quality (high turbidity, NTUs)!**



- Discharge does not meet WQ standards
- Often results in compliance action by agencies
- Initially cheapest for contractor
- Most expensive to clean up



# BMPs for Dewatering

## Sock Systems

- Generally, produces clean discharge water
- Requires some sandy soils to function (does not work well in clay soils)
- Placed along perimeter of project
- Can be expensive to install





# BMPs for Dewatering

## Well Point Systems

- Produces cleanest water
- Requires some sandy soils to function
- Usually placed along excavation in terrace fashion (can also be linear)
- Can be expensive to install
- Often reduces downtime in wet weather, as it keeps the site dry





# BMPs for Dewatering

## Well Point Systems





# BMPs for Dewatering

WHERE IS THIS DISCHARGE GOING?





# BMPs for Dewatering

Without Discharge Protection



With Discharge Protection





# BMPs for Dewatering





# BMPs for Dewatering





# BMPs for Dewatering



## 5.2 Limitations

- Discharges of produced groundwater from a **non-contaminated** site, **require** an FDEP Generic Permit for compliance with the NPDES program.
  - This can now be obtained as part of the CGP NOI.
  - Effective February 10, 2015
- **Contaminated sites** need to contact FDEP **before** dewatering.
- Additional information:  
<http://www.dep.state.fl.us/water/wastewater/iw/genperm.htm>
- Water Management District Permits
- Local governments should also be contacted regarding compliance requirements for dewatering.





# BMPs for Dewatering

## 5.2 Limitations

### VI. DEWATERING INFORMATION:

A. Will dewatering operations be performed as part of the construction activities?  No  Yes If yes, complete below. If no, skip this part and go to Part VII.

B. Is the project site currently identified as contaminated, or is there a site within 500 feet of the dewatering project identified as contaminated by a DEP or EPA cleanup/restoration program? You may use the Quick Link to DEP's Contamination Locator Map (CLM) and DEP's Institutional Controls Registry (ICR) Web Viewer to determine cleanup restoration status. You may access the CLM at: <http://webapps.dep.state.fl.us/DepClnup/welcome.do> or

<http://ca.dep.state.fl.us/mapdirect/?focus=contamlocator>. The ICR may be accessed at:  
<http://www.dep.state.fl.us/waste/categories/brownfields/pages/ICR.htm>, or  
<http://ca.dep.state.fl.us/mapdirect/?focus=icr>

- YES Continue to VI.C, below.  
 NO Continue to Part VII.

C. Has the site been remediated?

- YES Continue to Part VII.  
 NO Continue to VI.D, below.

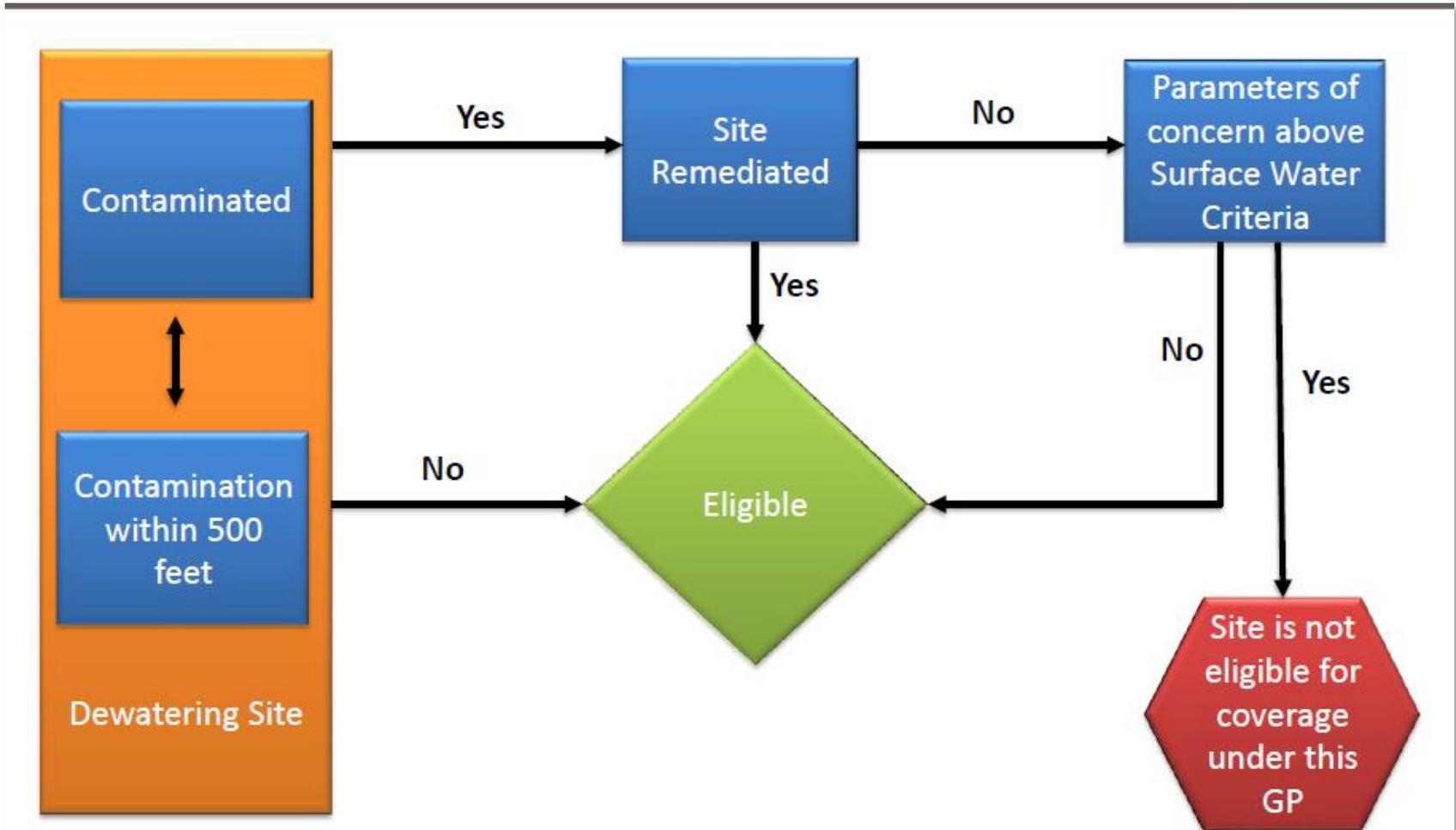
D. Are the pollutants of concern (i.e. contamination) present in ground water at the dewatering project site at concentrations equal to or exceeding the surface water criteria in Rule 62-302.530?

- YES Dewatering activities do not qualify for coverage under this generic permit. However, the site may qualify for coverage under Rule 62-621.300(1), F.A.C., or under an individual wastewater permit on the appropriate form listed in Rule 62-620.910, F.A.C.  
 NO Continue to Part VII.



# BMPs for Dewatering

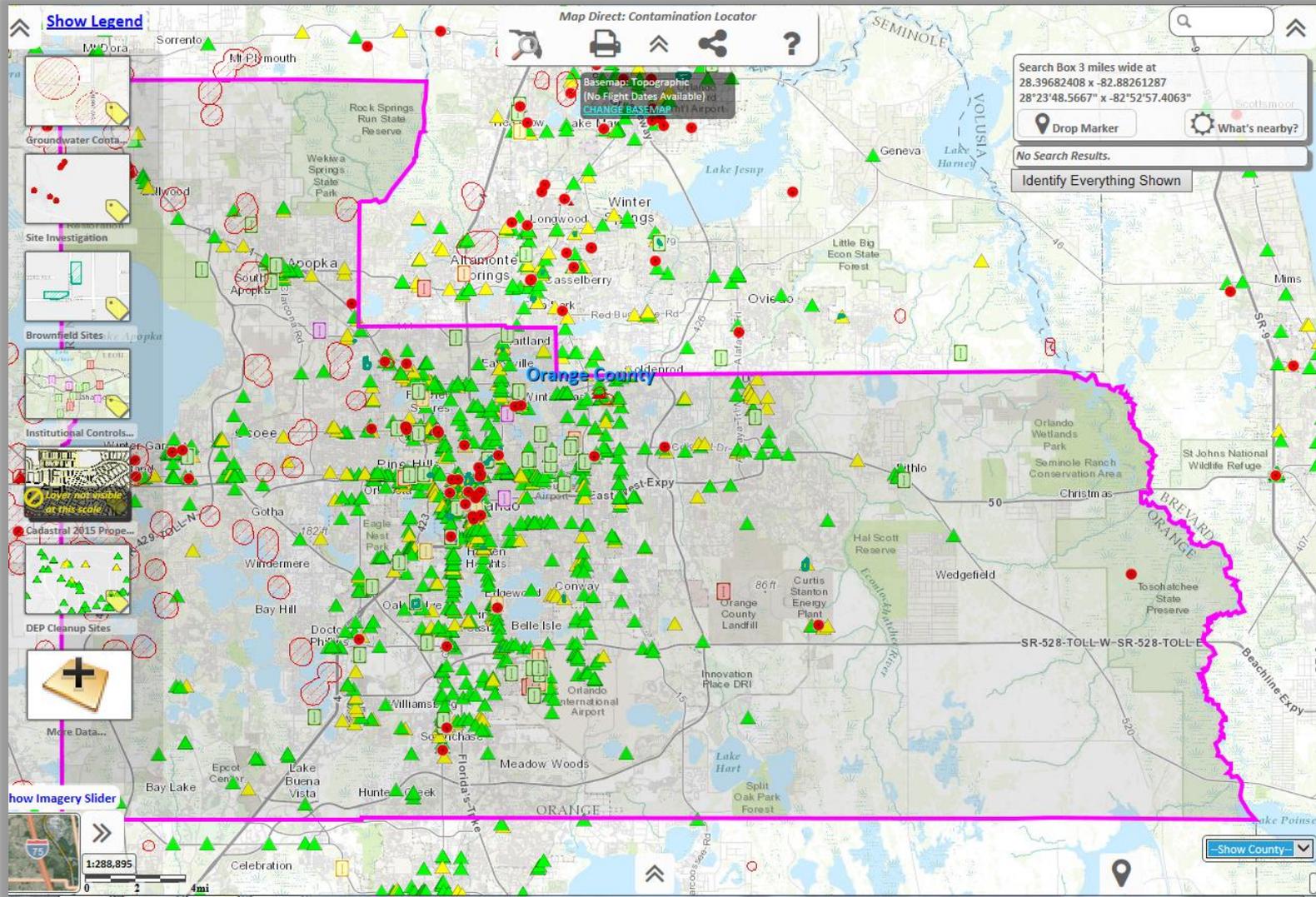
## 5.2 Limitations





# BMPs for Dewatering

## 5.2 Limitations





# BMPs for Dewatering

## Reminder: Obtain All Proper Approvals



**NOTICE OF INTENT  
TO USE  
NPDES GENERIC PERMIT FOR STORMWATER  
DISCHARGE FROM LARGE AND SMALL  
CONSTRUCTION ACTIVITIES  
(RULE 62-621.300(4), F.A.C.)**

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**III. APPLICANT INFORMATION:**

A. Operator Name: * ERP Permittee Name (if different than "Operator"), if applicable:		B. Operator Status:
C. Address:		
D. City:	E. State:	F. Zip Code:
G. Responsible Authority:		

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DJP Form 62-621.300(4)(b)  
Effective Date: 07/2015

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DEVELOPMENT ENGINEERING DIVISION**

**RODOVAR, P.E., Manager**  
1617 Parkway • Orlando, Florida 32809-9205  
37-886-9203  
rodov@dep.state.fl.us

16

on  
pany  
rle, Suite 230  
rda 32750

-of-way and Underground Utility Permit # 16-RU-0236  
Lake PD, Phase 1, Palm Parkway South of Fenton Street,  
ground Utilities, Roadway and Stormwater Connections and  
tering, Additional Conditions of Approval

n,

way Utilization and Underground Utility permit application to construct  
ormwater and roadway improvements and dewater for the Ruby Lakes  
(S-S-035) subdivision project and discharge into the County's MS-4  
ved. This approval is subject to the requirements on the original permit  
ot limited to, the following requirements:

ring plan shows all produced groundwater being discharged into Ruby  
is located west of your site. Note, you or your contractor shall ensure  
shall be no adverse turbidity/settlement impacts, including  
sion, to Ruby Lake. Any turbidity or sedimentation impacts to Ruby  
e promptly mitigated by you or your contractor.

of discharge shall be monitored daily for turbidity and other potential  
llution. Any turbidity and/or other potential pollution issues shall  
be immediately by means approved by OCEPD prior to entering the  
S-4 system and Ruby Lake.

shall be tested daily, and as directed by Orange County Environmental  
Division (OCEPD), to ensure that only clean, clear water is discharged  
e. Turbidity discharging from the project shall not exceed 29 NTU over  
conditions, per 62-302.530 F. A. C. Turbidity shall be tested using a  
litrated field turbidity meter. Background conditions for turbidity shall  
ed prior to starting activities at your site and recorded as reference. A  
e turbidity readings shall be created and shall be made available to  
OCEPD upon request.

4. The pH of the dewatering discharge shall be field tested at the point of discharge.  
pH shall be tested at the start of the dewatering activities and, thereafter,  
periodically as directed by OCEPD. If the pH is below the 6 to 8.5 range, the  
dewatering discharge shall be treated (aerated and/or passed through limerock or  
another means approved by OCEPD) to maintain the dewatering discharge pH

 St. Johns River Water Management District  
Notice to District of Dewatering Activity 

**PART 1 – NOTICE OF COMMENCEMENT**

The person below hereby gives notice to the District of its intention to commence short-term construction dewatering activities pursuant to a general permit by rule under Rule 40C-2.042(9), F.A.C.

If the proposed duration does not exceed 30 days, the dewatering quantity is less than 300,000 gallons per day, and the dewatering activity meets all the other exemption criteria in Rule 40C-2.051(7), F.A.C., then this form need not be submitted.

the dewatering activity does not qualify for a general permit by rule under Rule 40C-2.042(9), F.A.C., you must complete and submit an application for an individual consumptive use permit pursuant to Rule 40C-2.041, F.A.C. Approval of the application must be obtained before starting the dewatering activity.

County: \_\_\_\_\_ Section(s): \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

Associated ERP, MSSW, or NPDES Permit Number (if available): \_\_\_\_\_

Name: \_\_\_\_\_  
If name is a business, provide a contact person: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City, State, ZIP: \_\_\_\_\_

Business Phone: (\_\_\_\_) \_\_\_\_\_ Cell Phone: (\_\_\_\_) \_\_\_\_\_

Email Address: \_\_\_\_\_

On-Site Contact for this Activity: \_\_\_\_\_

Business Phone: (\_\_\_\_) \_\_\_\_\_ Cell Phone: (\_\_\_\_) \_\_\_\_\_

I certify that to the best of my knowledge and belief all of the information provided on this form is correct. I understand that making any material false statement on this form or in any attachments to it may result in revocation, in whole or in part, of the permit. (Section 373.243(1), F.S.)

Please submit online at [floridasswater.com](http://floridasswater.com) or mail form to St. Johns River Water Management District, P.O. Box 1429, Palatka, FL 32178-1429.

For assistance, please email [compliancesupport@sjrwm.com](mailto:compliancesupport@sjrwm.com) or call (386) 329-4570.

Form No. 40C-2.000(1) Effective November 1, 2015



# BMPs for Dewatering

## 5.4 Inspection & Maintenance

- Inspect & verify that BMP's are in place and functional before dewatering activities.
- Monitor BMP's throughout dewatering and after rain events
- Remove accumulated sediment to ensure BMP effectiveness
- Logbook of daily turbidity readings
- Flow Rates



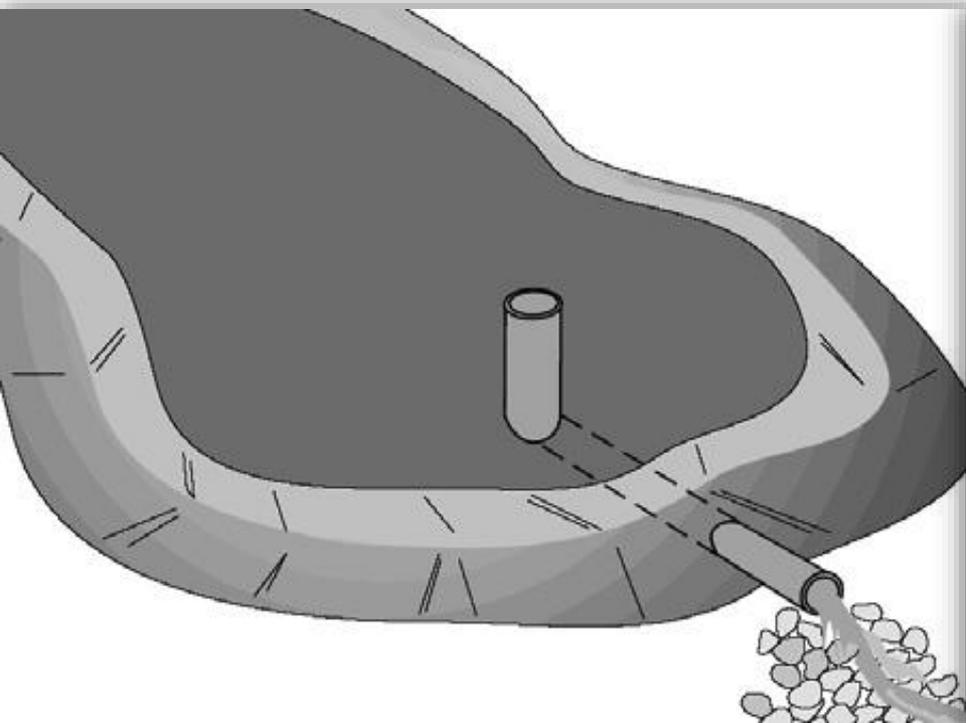


# BMPs for Dewatering

## 5.5.1 Sediment Basin

### Purpose:

Effective for the removal of sand, silt, and some metals that settle out with sediment.





# BMPs for Dewatering

Where & How Are Sediment Traps/Basins Commonly Used?



Tips:  
The inflow pipe should be located as far from the outfall as possible - increases time for settling

Outfall should be stabilized with rock or non-erosive material



# BMPs for Dewatering

## 5.5.1 Sediment Trap & Basin

### Maintenance:

- Daily inspections are recommended to prevent washouts, scouring and embankment blowouts.
- Remove sediments when 1/2 full, or sooner.
- Ensure banks are stabilized.



# BMPs for Dewatering

## 5.5.2 Weir Tanks & Dewatering Tanks



**Weir tanks and dewatering tanks separate water and waste (sediment, oil & grease, trash) by using weirs, baffles, and/or filter cloth.**



# BMPs for Dewatering

## 5.5.2 Weir Tanks & Dewatering Tanks



**Purpose:** to separate sediment and other materials from water in dewatering operations.



# BMPs for Dewatering

Weir tanks are used in the treatment train to reduce turbidity in highway dewatering operation prior to discharge.



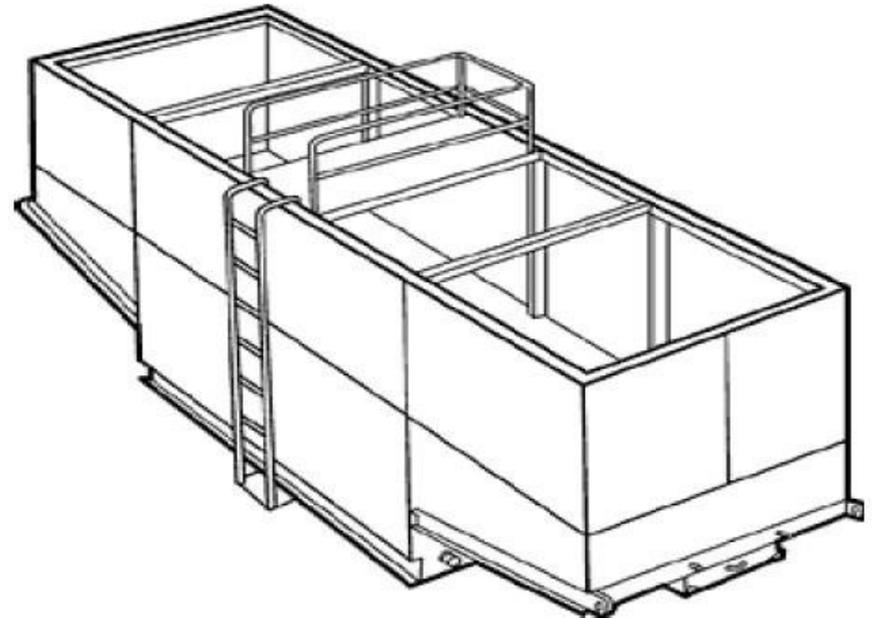


# BMPs for Dewatering

## 5.5.2 Weir Tanks & Dewatering Tanks

### Maintenance:

- Inspect for and remove sediment accumulation
- Oil & grease disposal by a licensed company





# BMPs for Dewatering

## 5.5.3 Gravity Bag Filter

A nonwoven geotextile fabric bag that collects sand, silt, and fine particles.





# BMPs for Dewatering

## 5.5.3 Gravity Bag Filter

**Purpose:** Effective for the removal of larger particles and some metals in dewatering operations.





# BMPs for Dewatering

## 5.5.3 Gravity Bag Filter

**Maintenance:** If full, or no longer passes water, replace



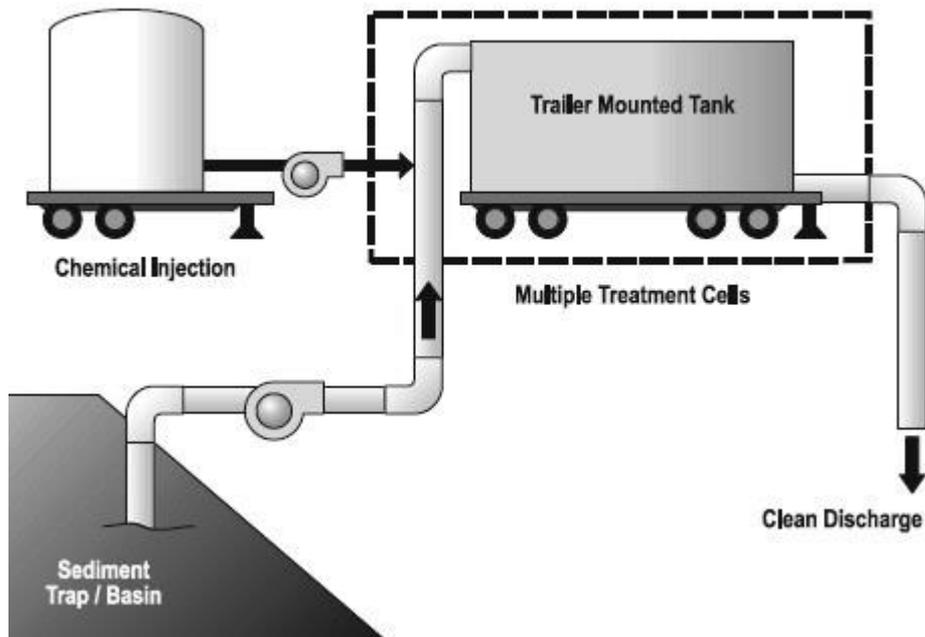


# BMPs for Dewatering

## 5.5.4 Chemical Treatment

Reducing turbidity by applying a flocculant:

- Polyacrylamide (PAM)
- Aluminum Sulfate (Alum)





# BMPs for Dewatering

## 5.5.4 Chemical Treatment

Reducing turbidity by applying a flocculant:

**Polyacrylamide (PAM)  
(Alum)**

**Aluminum Sulfate**





# BMPs for Dewatering

## 5.5.4 Chemical Treatment

### Purpose:

Chemical treatment is used to significantly reduce turbid conditions on a site. This should be considered where turbid discharges to sensitive waters cannot be avoided using available BMPs.





# BMPs for Dewatering

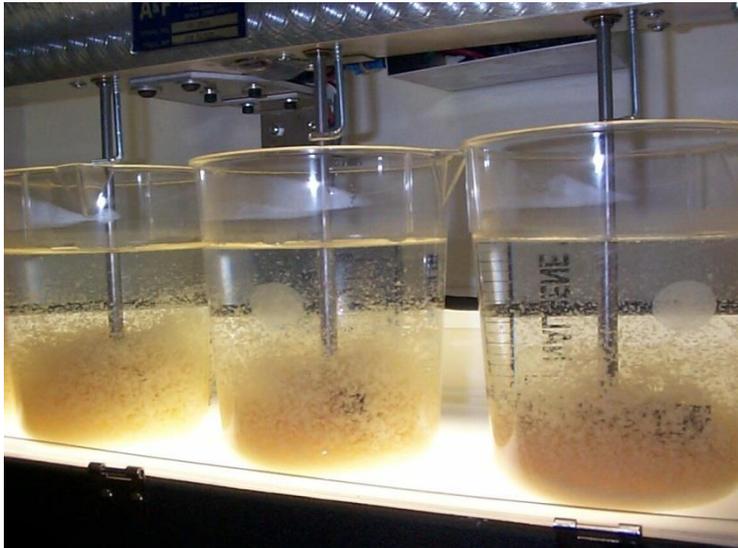
## Alum Treatment with Sediment Basin





# BMPs for Dewatering

Where & How is Chemical Treatment Commonly Used?



Laboratory jar test



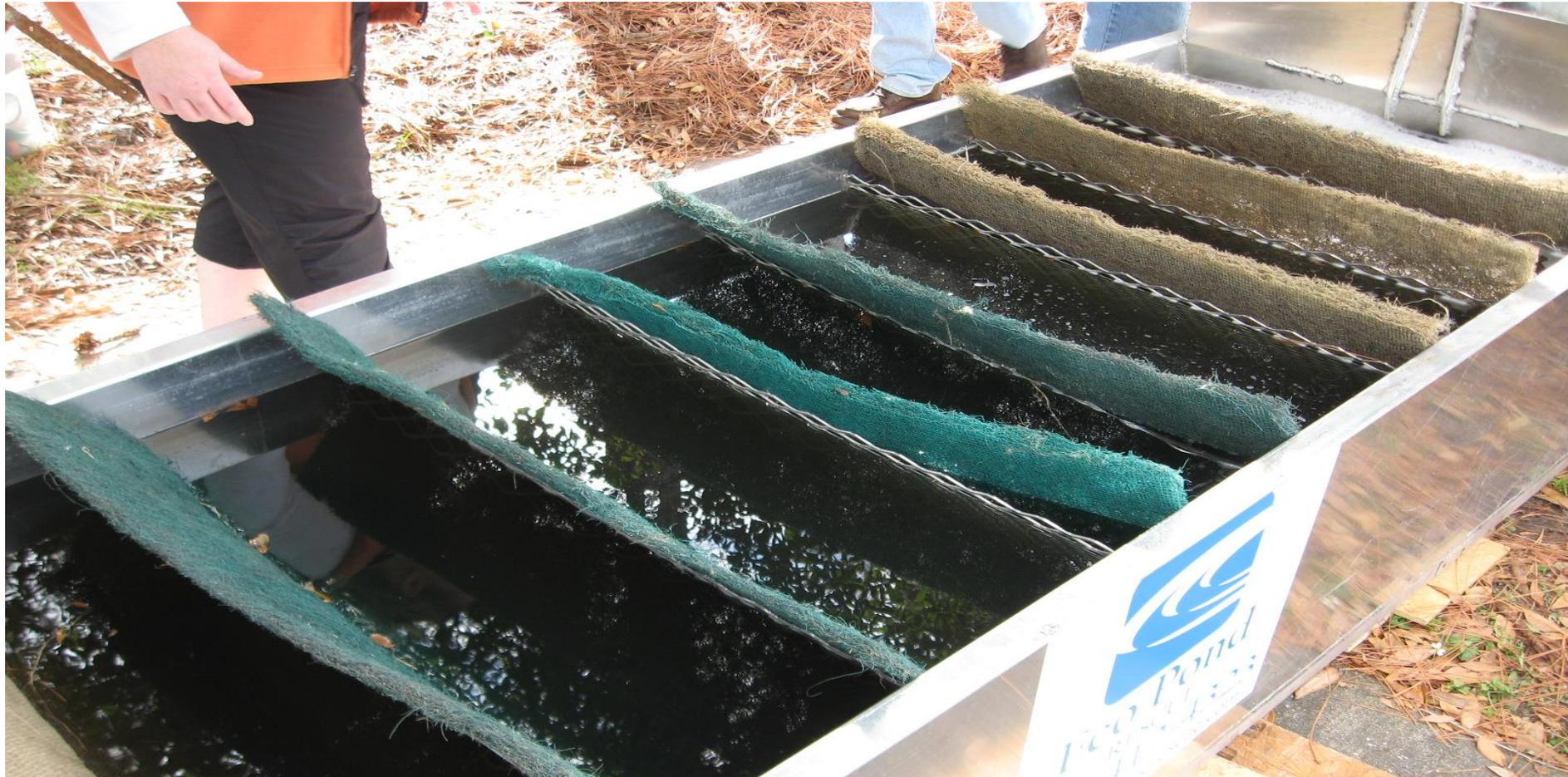
Certified applicator

**The right chemical at the right dosage!**



# BMPs for Dewatering

## CTS-2 Batch Treatment





# BMPs for Dewatering

## Additional Treatment Systems





# BMPs for Dewatering

## CTS-2 Batch Treatment





# BMPs for Dewatering



**Do not self medicate**

**This is not an approved treatment system!**

**The right chemical at the right dosage!**



# BMPs for Dewatering

## 5.4 Inspection & Maintenance

- Monitor turbidity and pH levels
- Inspect, clean, repair all flocculants and sediment collection devices
- Ensure effectiveness not impacted by rain events





# BMPs for Dewatering

Reminder: Obtain all Proper Approvals



- Federal
- State
  - FDEP
  - Water Management Districts (WMD)
- Local
  - County
  - City



# BMPs for Dewatering

**What is Wrong With this?**





# BMPs for Dewatering

## What 35,000 NTUs Looks Like

