



Construction Environmental Compliance

2022 Construction Academy

FDOT District 2 - Emy Delgado



Environmental Commitments

- ▶ Project Development & Environment (PD&E)
- ▶ Electronic Review Comments (ERC) Review
- ▶ Permitting and/or Environmental Agencies
- ▶ Culture or Historical Resources
 - ▶ Archaeological monitoring during construction
- ▶ Wetland Impacts
 - ▶ Mitigation or Restoration
- ▶ Endangered Species

Results in construction requirements and/or restrictions which could occur before, during and/or after construction.

FDOT District 2 Construction Environmental Guide List

<https://fdot.sharepoint.com/sites/D2/TransportationOperations/Construction/SitePages/Home.aspx>

This screenshot shows the 'CONSTRUCTION' section of the SharePoint site. The navigation bar includes 'Home', 'District Secretary', 'Divisions', 'Engineering', 'Training', 'Statewide', and 'D2 Quick Links'. The main content area features a 'CONSTRUCTION' header, a 'Construction Links' sidebar with items like 'Construction Home', 'Contract Modification', and 'FDOT CSS Resources', a central image of a group of staff, 'Management Contacts' for Scott Lent, Michael Sandow, and Kevin Rogers, and a 'Construction Pages' grid. A red circle highlights the 'Environmental' link in the grid. A 'Resource Quick Links' sidebar on the right lists items such as 'CPAC Letters', 'CIM', and 'Contractor Resources'.

This screenshot shows the 'ENVIRONMENTAL' section of the SharePoint site. The navigation bar is identical to the construction page. The main content area features an 'ENVIRONMENTAL' header, a 'Construction Environmental Resources' sidebar, and a central list of resources. A red circle highlights the 'Environmental Checklist ECP Format (Section 3)' link. Other resources listed include 'Turbidity Monitoring Log', 'FDEP Construction General Permit', 'FDEP CGP and DW Training', 'SWPPP CCEI Verification Process', and 'FDEP Dewatering Permit'. An 'Environmental Contact' box on the right identifies Emy Delgado as the Environmental Coordinator. An 'Environmental Links' sidebar on the right lists 'Environmental Permits: D2 Permits-Contracts Documents', 'Training Contacts', and 'Environmental Presentation'.



Q&A

- ▶ What is SWPPP?
 - ▶ Stormwater Pollution Prevention Plan (SWPPP) is a document that outlines how a construction project will minimize stormwater pollution.
- ▶ What is ERP?
 - ▶ The Environmental Resource Permitting (ERP) Program regulates activities involving the alteration of surface water flows, which includes construction that generate stormwater runoff as well as dredging and filling in wetlands and other surface waters. The applications are processed by either the FDEP or one of the state's water management districts.



Q&A

- ▶ What is BMP?
 - ▶ Best Management Practices (BMP) is a term used to describe both structural or engineered control devices and systems to treat polluted stormwater, as well as operational or procedural practices.
- ▶ What is NTU?
 - ▶ Nephelometric Turbidity Units (NTU) is the units of turbidity. Turbidity is the cloudiness or haziness of a fluid caused by individual particles (suspended solids) that are generally invisible to the naked eye, similar to smoke in air. The measurement of turbidity is a key test of water quality.



Q&A

- ▶ What is NPDES?
 - ▶ National Pollutant Discharge Elimination System (NPDES) is a permit system for regulating point sources of pollution. In Florida, this system is managed by the United States Environmental Protection Agency (EPA) in partnership with Florida Department of Environmental Protection (FDEP). This permit is contractor's responsibility.
- ▶ What is NOI?
 - ▶ Notice of Intent of National Pollutant Discharge Elimination System (NPDES). NPDES NOI application is required before construction starts.



Q&A

Contractor has multiple project segments located in different counties under the same FDOT contract, each disturbing less than an acre. The total of all the segments is barely over the 1-acre threshold.

- ▶ DOES THE CONTRACTOR NEED A FDEP NPDES PERMIT?
 - ▶ YES



Q&A

Contractor is using the same WMD Consumptive Use Permit for more than one FDOT project.

- Is the Contractor out of compliance?

- No. WMD CUP Permit travels with the Contractor from project to project.

Does the Contractor still need a FDEP Dewatering Permit?

- Yes. WMD CUP permit does not provide coverage for discharging groundwater to surface water.



Q&A

Contractor has FDEP NPDES permit coverage. They want to drain the water from an existing pond to be able to discharge their groundwater to the pond.

Pond has been drained down and Contractor has started discharging their groundwater. It ends up raining and causing the stormwater to fill the pond back up and starts overflowing. The Contractor wants to drain the pond again before turning the dewatering pumps back on.

- ▶ Does the contractor need a dewatering permit to pump down the pond the first time?
 - ▶ No
- ▶ Does the contractor need a dewatering permit to pump down the pond once the pond is overflowing?
 - ▶ Yes – groundwater is being discharged outside of pond site.



FDOT Construction Environmental Point of Contacts

- ▶ **FDOT District 2**
- ▶ **Emy Delgado**
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- ▶ **FDOT District 3**
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A young spotted fawn stands in the middle of a dark asphalt road at night. The road has a white line on the left and a double yellow line in the center. The road is flanked by a dense forest of tall, thin trees. The scene is dimly lit, with a soft glow emanating from the road ahead. In the top left corner, there is a red arrow pointing right, followed by the word "QUESTIONS?" in large, bold, black capital letters.

QUESTIONS?