



FLORIDA DEPARTMENT OF Environmental Protection

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Phase I Municipal Separate Storm Sewer System (MS4) NPDES Stormwater Audit Report

I. BACKGROUND INFORMATION

MS4 Permit Name: Florida Department of Transportation – Florida Turnpike Enterprise
Permittee: Palm Beach County (FLS000018),
Broward County (FLS000016),
Miami-Dade County (FLS000003),
Polk County (FLS000015)
Annual Report Year: Cycle 3; Years 1-5
Audit Date/Time: June 14, 2016 1:15 pm

Inspector(s):

Name	Title	Phone/ Email
Michelle Bull	MS4 Coordinator	850/245-7561 Michelle.Bull@dep.state.fl.us

Permittee Representative(s):

Name	Title	Phone
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II. GENERAL COMMENTS

FDOT Florida’s Turnpike Enterprise (FTE) is responsible for the Turnpike and some parkways. There are few contributions from outside sources into the MS4.

III. SITE VISITS

Satisfactory Unsatisfactory Not Applicable

IV. SWMP IMPLEMENTATION REVIEW

Monitoring Program

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

Fiscal Analysis

Not reviewed during audit.

TMDL Prioritization

Satisfactory Unsatisfactory Not Applicable

Palm Beach: Northern Palm Beach County Improvement District submitted a TMDL Prioritization Report for all Palm Beach County MS4 co-permittees. The Turnpike does not discharge to the prioritized WBID 3233 L8 Canal, which has an EPA TMDL for Turbidity.

Broward: Broward County submitted a TMDL Prioritization Report for all co-permittees. The Turnpike does not discharge to the prioritized WBIDs, 3271, which has DEP TMDL for Nutrients, and 3279A, which has an EPA TMDL for Fecal Coliforms.

Miami-Dade: The Turnpike does not discharge into WBID 3288A Wagner Creek.

Part III.A.1: Structural Controls and Stormwater Collection Systems Operation

Satisfactory Unsatisfactory Not Applicable

Structural Control Inventory: An Asset Management system was contracted, and Jeremiah Marek was using ToughBook linked to the system for inspections. Jeremiah has worked on bringing the GIS system in house. Central Office is planning to use a GIS application state-wide. Staff is working on being able to track which systems have been maintained, not just an area. Inspection photos are uploaded to ArcGIS online. Staff uses this process for all Turnpike systems, including Phase II MS4 areas.

Structural Control Inspections: FTE uses Asset Management contracts which includes MS4 maintenance and repair, litter control, road maintenance and Maintenance Rating Program (MRP) inspections and small contracts, which are assigned based on mile posts (MP). Jeremiah Marek does inspections in addition to the asset management sections.

Part III.A.2: Areas of New Development and Significant Redevelopment

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

Part III.A.3: Roadways

Satisfactory Unsatisfactory Not Applicable

Litter Control: Done before mowing with Asset Maintenance (Palm Beach County MP 100-117) and contracts.

Pick Up Events: None.

Street Sweeping: Separate contract. Contractor tracks miles and amount. Cubic yard measurement is calculated to dry weight for load reduction calculations.

Road Maintenance Yards: No maintenance yards, everything is contracted out. Pompano Maintenance Yard has been decommissioned and is only used for storage.

Part III.A.4: Flood Control Projects

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

**Part III.A.5: Municipal Waste Treatment, Storage, and Disposal Facilities
Not Covered by an NPDES Stormwater Permit**

Satisfactory Unsatisfactory Not Applicable

Waste Storage Facilities: None

Part III.A.6: Pesticides, Herbicides, and Fertilizer Application

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

**Part III.A.7.a: Illicit Discharges and Improper Disposal —
Inspections, Ordinances, and Enforcement Measures**

Satisfactory Unsatisfactory Not Applicable

**Part III.A.7.c: Illicit Discharges and Improper Disposal —
Investigation of Suspected Illicit Discharges and/or Improper Disposal**

Satisfactory Unsatisfactory Not Applicable

Proactive Inspections: MRP inspections include illicit discharge. Construction Engineering Inspections (CEI) are performed on FTE construction projects.

Training: Contracted and staff inspectors watch the FDOT illicit discharge training video.

Required Improvements: In future annual reports, report construction inspections in Part III.A.9.b.

**Part III.A.7.d: Illicit Discharges and Improper Disposal —
Spill Prevention and Response**

Satisfactory Unsatisfactory Not Applicable

Spills: Turnpike cams are used for spill recording and determining spill amount/affects. The Turnpike has a contractor budget for cleanup. Responsible Authorities are required to clean spills or reimburse FTE. All spills are tracked via GIS with images, amounts and clean-up activities.

Training: Staff attend the HAZWOPER 24-hr class.

**Part III.A.7.e: Illicit Discharges and Improper Disposal —
Public Reporting**

Satisfactory Unsatisfactory Not Applicable

Public Education: FTE is working on new education campaign which will be used in Phase I and Phase II MS4 areas. There is a photo competition which will be shown on TVs in Turnpike service plazas.

**Part III.A.7.f: Illicit Discharges and Improper Disposal —
Oils, Toxics, and Household Hazardous Waste Control**

Satisfactory Unsatisfactory Not Applicable

Public Education: See Part III.A.7.e above for public education.

**Part III.A.7.g: Illicit Discharges and Improper Disposal —
Limitation of Sanitary Sewer Seepage**

Satisfactory Unsatisfactory Not Applicable

Spills: None.

Prevention: N/A

Recommendation: In future annual reports, report the number of of the sanitary sewer utilities that intersect the Turnpike's MS4.

**Part III.A.8.a: Industrial and High-Risk Runoff —
Identification of Priorities and Procedures for Inspections**

Satisfactory Unsatisfactory Not Applicable

High risk facilities: No facilities that discharge into the Phase I permit areas. The Turnpike rarely issues Discharge Connection Permits (DCPs) for non-construction projects.

**Part III.A.8.b: Industrial and High-Risk Runoff —
Monitoring for High Risk Industries**

Satisfactory Unsatisfactory Not Applicable

**Part III.A.9.a: Construction Site Runoff —
Site Planning and Non-Structural and Structural Best Management Practices**

Satisfactory Unsatisfactory Not Applicable

Site Plan Review: No DCPs issued.

**Part III.A.9.b: Construction Site Runoff—
Inspection and Enforcement**

- Satisfactory Unsatisfactory Not Applicable

Inspections: Contractor CEIs are scheduled daily and weekly. Quality Control inspections are performed by the Turnpike.

Enforcement: Issued by CEI staff: warning letters, deficiency letters. Projects can be referred the relevant county. The Turnpike Project Manager has power to stop work.

**Part III.A.9.c: Construction Site Runoff—
Site Operator Training**

- Satisfactory Unsatisfactory Not Applicable

Inspector E&SC Training: CEI inspectors only contracted for active projects.

Site Plan Reviewer Training: DCP and Stormwater Pollution Prevention Plan reviewer.

Site Operator Training: None on years with no active construction. Reported training for active construction.