



FLORIDA DEPARTMENT OF Environmental Protection

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2600 Blair Stone Road
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Rick Scott
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Secretary

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

I. BACKGROUND INFORMATION

MS4 Permit Name: Palm Beach County
Permittee: Northern Palm Beach County Improvement District
Permit Number: FLS000018 (Cycle 4)
Annual Report Year: Year 1
Reporting Period: 10/01/2016 – 09/30/2017
Audit Date/Time: June 6, 2018 12:45 pm – 2:30 pm

Inspector(s):

Name	Title	Phone/ Email
Michelle Bull	Environmental Consultant	850-245-7561 Michelle.Bull@dep.state.fl.us
Hector Rivera	Phase II MS4 Coordinator	850-245-8667 Hector.Rivera@dep.state.fl.us

Permittee Representative(s):

Name	Title	Phone
Jared Kneiss	Programs Administrator	561-624-7830 Jared@npbcid.org
Alan Wertepny	Mock-Roos	561-683-3113 x 231 alan.wertepny@mockroos.com

II. GENERAL COMMENTS

In the annual report, the guideline documentation refers to the Stormwater Management Plan.

III. SITE VISITS

Satisfactory Unsatisfactory Not Applicable

IV. SWMP IMPLEMENTATION REVIEW

Monitoring Program

Satisfactory Unsatisfactory Not Applicable

The Assessment Plan submitted is approved.

Fiscal Analysis

Comments: Increased.

TMDL Prioritization

Satisfactory Unsatisfactory Not Applicable

TMDL Prioritization Plan: Submitted and approved.

Status Report: Loxahatchee River Coordinating Council meets every 2 months, which DEP attends. DEP is working on modeling for nutrient reductions. Goal is to have RAP completed by end of 2018. DEP will have an evaluation of the Bacteria impairment in the RAP. Contribution is pre-treated and minimal, and District does not have typical legal authority. Working with a consultant on a plan.

Waterbody	WBID	TMDL	Report	Due Date
SW Fork Loxahatchee River	3266	Fecal Coliform	Bacteria Pollution Control Plan	3/2020

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

Satisfactory Unsatisfactory Not Applicable

Major Outfall Inventory: 22

Structural Control Inventory:

Roadway drainage pipes: MS4 connected under road.

Culvert: lake interconnects

Structural Control Inspections:

Wet detention: inspections tracked by units of development (neighborhoods). Includes aquatic weed control. Reviewed aquatic weed maintenance documentation. Banks are maintained by mowing crew or HOA/POA (Property Owner's Association).

Inlets: Roadway manager drives through neighborhood twice a month inspecting catch basins. The entire system was inspected 5 years ago. The NPBCID bids out annually to have units of the system cleaned, with a goal of cleaning the entire system every 5 years.

Ditches: NPBCID canals. Discussed reporting as canals in future annual reports. Canals are inspected/mowed monthly. Inspector also drives banks looking for erosion, etc. weekly.

Control structures: reviewed gate inspection form.

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 SOP: Litter control on public streets is the responsibility of the adjacent property owner, HOA or POA. Local municipality is responsibility for code enforcement.

Street Sweeping: NPBCID owns "spine" roads which have curb and gutter (20.72 miles). These were previously maintained by homeowner; NPBCID contracted street sweeping for these roads in Year 2. Will begin reporting in the Year 2 annual report.

Recommend updating the SOP to state private roads.

Part III.A.4: Flood Control Projects

Satisfactory Unsatisfactory Not Applicable

Reported flood control and retrofit project was the same. Corrugated metal pipe deteriorating causing subsistence was cleaned out and lined.

Unit 5C: retrofit from fixed weir to operable, raised water level to increase treatment.
Unit 16-removed rehabbed weir.

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

Satisfactory Unsatisfactory Not Applicable

No facility.

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

Satisfactory Unsatisfactory Not Applicable

FDACS License: Grass Roots Corp. is contracted to mow canal banks and apply fertilizer at landscaping around pump stations and control structures. Herbicide is for aquatic weed maintenance. Submitted pest control licenses for Grass Roots.

GIBMP Certification: No staff apply.

Public Education: Not reporting activities. Rely on Joint program for E&O

Required Improvements: Within 30 days of the audit report, submit a copy of the commercial fertilizer applicator license.

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

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

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: 34,451 in revised report. Inspections include structural control inspections.

Training: NPBCID invites contractors to attend training but have low turnout. Discussed FDOT Tier 1 Illicit Discharge training.

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

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

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

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

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

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

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

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit.

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

Satisfactory Unsatisfactory Not Applicable

No facilities.

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

Satisfactory Unsatisfactory Not Applicable

Monitoring: See above.

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

Satisfactory Unsatisfactory Not Applicable

Not reviewed during audit. The Department will revise the Annual Report to include this section.

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

Satisfactory Unsatisfactory Not Applicable

Inspections: Permittee: install curb on section of roadway, project took one month.

Private: 37

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

- Satisfactory Unsatisfactory Not Applicable

Inspector E&SC Training: Reported 9 with DEP cert and annual training.

Site Plan Reviewer Training: Contractor attends Steering Committee training.

Site Operator Training: Contractor during pre-work meeting.