



# 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:** Palm Beach County MS4  
**Permittee:** City of Greenacres  
**Permit Number:** FLS000018 (Cycle 3)  
**Annual Report Year:** Year 6  
**Reporting Period:** 09/2015 – 09/2016  
**Audit Date/Time:** June 16, 2017 2:00 pm – 4:00 pm

#### Inspector(s):

Name	Title	Phone/ Email
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#### Permittee Representative(s):

Name	Title	Phone
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### II. GENERAL COMMENTS

The City is approximately 5.5 sq miles, dispersed with pockets of unincorporated areas, and a population of 39,000. The main roads within the City are owned and maintained by the County (Jog Rd, Melaleuca Rd) or FDOT (Lake Worth Rd). The City is mostly residential, with a few lakes and canals.

### III. SITE VISITS

Satisfactory                       Unsatisfactory                       Not Applicable

**Site Type:** Municipal Maintenance Facility

**Site Name and Location:** City of Greenacres Public Works, 5750 Melaleuca Ln, Greenacres, FL 33463

**Applicable Permit Provision(s):** Part III.A.3

**Observations:** All vehicle maintenance is performed indoors. The yard was very clean, and had equipment parked in grassed areas. A vehicle wash station had a concrete curb, had a gravel base, and was on the opposite side of the parking area from the stormwater treatment pond. It was noted at the time of inspection that a dumpster was left open after work hours on a Friday, after a rain event.

Image: City of Greenacres Public Works Equipment Wash, June 16, 2017



**Comments:** Inform staff to keep dumpster closed.

#### IV. SWMP IMPLEMENTATION REVIEW

##### Monitoring Program

Satisfactory                       Unsatisfactory                       Not Applicable

Not discussed at audit.

##### Fiscal Analysis

**Comments:** Over the last 10 years, the City has dedicated money to replacing the aging stormwater system with HDPE. Operational budget goes to catch basin cleaning, which is done by the City's vac-trailer or is contracted for large jobs. The City is currently working on a lake bank restoration capital project.

Discussed including an explanation of decreases in annual expenditures from year to year, including CIP projects.

##### TMDL Prioritization

Satisfactory                       Unsatisfactory                       Not Applicable

**TMDL Prioritization Plan:** Northern Palm Beach County Improvement District submitted a TMDL Prioritization Report for all Palm Beach County MS4 co-permittees. The City does not discharge into a TMDL WBID.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Major Outfall Inventory:** The map submitted in Year 1 did not label major and non-major outfalls. The inventory increased from 8 to 11. Discussed updating the Major outfall map for the Cycle 4 Year 1 annual report.

**Major Outfall Inspections:** Outfalls are inspected by Roads and Drainage. Reviewed inspection tracking sheet. In 2016, only 6 major outfalls were listed, and were scheduled to be cleaned, but did not have inspection information. The inventory has been corrected in later annual reports.

**Structural Control Inventory:** Discussed reporting “treatment swales” as conveyance swales, as they are not designed/maintained for stormwater treatment.

**Structural Control Inspections:** Goal is to inspect 25% of system annually. Inspectors have DEP Erosion and Sediment Control training, and attend illicit discharge training provided by the Palm Beach County Steering Committee .

**Wet retention:** 11 including 7 alleyways (linear ponds) behind residences, connected via culverts. Roads and Drainage has a goal to inspect all retention systems the first Monday of the month (Wyman trained in IDDE). Reviewed the inspection report, which has a section for reporting ID.

**Control Structures:** Mostly dry retention overflow structures into canals.

**Pipe:** Reviewed invoice for a contracted dive inspection for a 125’ length of 54” pipe.

Contractor performs maintenance, and submits a daily worksheet (not reviewed during audit). See Outfall Inspections. It appears that structures scheduled to be maintained are not inspected.

**Inlets/Manholes/Culverts:** Tracked on same sheet as outfalls. Reviewed spreadsheet, has Y/N and comments if need maintenance.

**Swales** inspected during weekly litter control activity, which is performed weekly.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Not discussed during audit.

#### **Part III.A.3: Roadways**

Satisfactory                       Unsatisfactory                       Not Applicable

**Litter Control:** Weekly Roads and Drainage Division staff. Report number of bags collected, estimate each bag as 30 lbs. DOC (Department of Corrections) also does daily public spaces and roadway maintenance. Swap between Roads (7 staff) and Parks (6 staff) weekly.

Parks staff pick up trash as needed during daily maintenance at 13 parks/green spaces. Reviewed activity report and monthly tracking reports.

**Pick Up Events:**

**International Coastal Cleanup.** Staff discuss drainage importance, how trash gets to coast through stormwater systems and canals, and clean an area close to community center.

**Great American Cleanup:** 4/16/16 tree planting and litter cleanup at a road (not on regularly maintained area, that had received complaints) and Community Park.

**Street Sweeping:** The City does not own and curb and gutter roads. All major roads are maintained by the County or FDOT.

**Road Maintenance Yards:** Inspected by Fleet supervisor. No checklist provided. FDEP provided an example checklist during the audit.

**Required Improvements:** Within 30 days of the audit report, update and begin using a municipal facility checklist for the road maintenance facility. Inspect the facility at least once annually.

#### **Part III.A.4: Flood Control Projects**

Satisfactory                       Unsatisfactory                       Not Applicable

Not discussed 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:** Advanced Waste Disposal is waste contractor within City. Debris is disposed of at two landfills within the area.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**FDACS License:** Maintaining copies of certifications.

**GIBMP Certification:** Two city staff apply fertilizer at sports fields. Reviewed certificate for Edgar Barrios. Wyman certification (no active application, but may in future during beautification).

**Fertilizer Ordinance:** The City does not discharge into a nutrient-impaired waterbody.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Not discussed 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:** Building Department performs occupational inspections on all new commercial businesses, which includes illicit discharge inspection at that time. Reviewed restaurant inspection. by Code enforcement may also periodically inspect businesses.

**Reactive Inspections:** Complaint based. Reviewed Inspection report (use same report for proactive/reactive). Website reporting goes to email to a group within Building Department. Keep reports, but follow up is not well tracked.

**Enforcement:** Code Enforcement (within Building Department) if not corrected immediately.

**Training:** Building inspector and code enforcement have Erosion and Sediment Control training, and attend Steering Committee training.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Not discussed during audit.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Rely on County, and perform public education during cleanups.

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

Satisfactory                       Unsatisfactory                       Not Applicable

N/A. See Part III.A.5.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Sanitary Sewer collection system is owned by the County.

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

Satisfactory                       Unsatisfactory                       Not Applicable

No facilities. Not discussed during audit.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Not discussed during audit.

**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:** City has permit requirements. Zoning Department reviews SWPPP.

**ERP/CGP Coverage:** Coverage is confirmed during Zoning Department – Land Development Staff (LDS) Meeting with applicant. Permitting tracking-NOI for CGP and ERP.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Inspections:** Building Department does during inspections. Reviewed inspection tracking with SW Pollution Prevention Site inspections. Also reviewed inspection checklist for WAWA construction.

**Enforcement:** If deficiency, re-inspect, may charge for multiple. Can report to Code Enforcement.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Inspector E&SC Training:** See Part III.A.7.c. Building inspector and code enforcement have Erosion and Sediment Control training, and attend Steering Committee training.

**Site Plan Reviewer Training:** New City staff will have training soon.

**Site Operator Training:** No permittee sites during reporting period.