



# FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center  
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**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Noah Valenstein**  
Secretary

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

### I. BACKGROUND INFORMATION

**MS4 Permit Name:** Palm Beach County MS4  
**Permittee:** Town of Manalapan  
**Permit Number:** FLS000018 (Cycle 3)  
**Annual Report Year:** Year 6  
**Reporting Period:** 09/2015 – 09/2016  
**Audit Date/Time:** June 20, 2017 8:00 am – 9:00 am

#### Inspector(s):

Name	Title	Phone/ Email
Michelle Bull	MS4 Coordinator	(850) 245-7561 <a href="mailto:Michelle.Bull@dep.state.fl.us">Michelle.Bull@dep.state.fl.us</a>

#### Permittee Representative(s):

Name	Title	Phone
Lisa Petersen	Town Clerk	561-3832541 <a href="mailto:lpetersen@manalapan.org">lpetersen@manalapan.org</a>
Maryori Velasco	Engenuity Group	561-655-1151 <a href="mailto:mvelasco@engenuitygroup.com">mvelasco@engenuitygroup.com</a>
Alan Wertepny	MS4 Coordinator, Mock-Roos	561/683-3113 <a href="mailto:Alan.Wertepny@mockroos.com">Alan.Wertepny@mockroos.com</a>

### II. GENERAL COMMENTS

The Town is very small, with a population of 450, developed in 1970s.

### III. SITE VISITS

☐ Satisfactory ☐ Unsatisfactory ☒ Not Applicable

### IV. SWMP IMPLEMENTATION REVIEW

#### Monitoring Program

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

#### Fiscal Analysis

**Comments:** Not reviewed during audit.

#### **TMDL Prioritization**

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

Not reviewed during audit.

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

☐ Satisfactory ☒ Unsatisfactory ☐ Not Applicable

**Major Outfall Inventory:** No major outfalls. Outfall pipes are under water.

**Structural Control Inventory:** The Town owns 12 catch basins. Discussed the need to report pipe connected to the catch basins and outfalls. Mock-Roos may have a map on the website. Staff recalled one segment of pipe that repaired after it collapsed. Discussed checking sediment levels and structural integrity by a contractor and counting contractor work as illicit discharge inspections. Engenuity staff has illicit discharge training.

**Structural Control Inspections:** The Town does not have a Public Works. The Building Department and Maintenance staff inspect catch basin grates and swales for trash and ponding. Reviewed inspection checklist with Location, Clear/Cleaned, and Illicit Discharge. Property owners mow swales. Town was regrading swales (Year 1) in segments (See Part III.A.4 of the Annual Report).

**Required Improvements:** In the future annual report, research and report the stormwater pipe inventory.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

The Town has very little development, as most construction is single-family home rebuilds.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Litter Control:** Done daily by Maintenance. There is very little litter in the mostly-residential Town.

**Street Sweeping:** South Ocean Blvd is maintained by FDOT. The Town does not own roads with curb and gutter.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

Re-grading existing swales.

#### **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:** No facility. Sanitation Department picks up trash for residents Mon, Thurs, Sat with one truck and disposes of trash at the Transfer station on Lantana Rd daily. The truck is parked at a water plant in Hypoluxo.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**FDACS License:** The Town has one park, Tranquility Park at the library. Shorman's Pest Control mows and applies pesticides. Reviewed FDACS license.

The Town has a Florida-friendly fertilizer ordinance.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Legal Authority:** The Town uses Police/Fire for enforcement.

**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:** Done during structural control inspections.

**Reactive Inspections:** No reports received.

**Enforcement:** Enforcement is referred to Police Department.

**Training:** Discussed training for Maintenance staff and Police staff.

**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

**Public Education:** The Town mails a newsletter to all residents as part of the Community Rating System which includes illicit discharge topics. Information is also listed on the Town's website. Discussed training Landscape companies on proper best management practices during business registration. Staff stated that residents are aware of need to dechlorinate pools. Discussed reporting education activities on the annual report.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Public Education:** Handled by the MS4 permit interlocal agreement.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Spills:** Most of the Town is on septic with grinder pumps, some of which are advanced treatment septic. Town Hall and two commercial areas on sewer, which are served by Lake Worth. Discussed updating reporting for septic and Lake Worth for Sewer.

**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 industrial facilities. Commercial areas drain to FDOT roadway.

**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

**Site Plan Review:** Most sites are less than one-acre single-family homes.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**SOP:** Reviewed.

**Inspections:** Contractor performs construction inspections for sites one-acre or more. Discussed that most construction is SFH less than one acre, which are inspected by the Building Department.

**Enforcement:** Contractor would report to staff, who would forward to Police Department.

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

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Inspector E&SC Training:** Engenuity has DEP Erosion & Sediment Control Certification.

**Site Plan Reviewer Training:** Building Official has DEP Erosion & Sediment Control Training.

Discussed having inspector and reviewer attend annual training Mock-Roos provides for co-permittees.