



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

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 Mangonia Park
Permit Number: FLS000018 (Cycle 3)
Annual Report Year: Year 6
Reporting Period: 09/2015 – 09/2016
Audit Date/Time: June 20, 2017 12:30 pm – 1:45 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
Laurent “Van” Cott	Town Consultant/Engineer	561-758-5285 van@sdcivil.com
Alan Wertepny	MS4 Coordinator, Mock-Roos	561-683-3113 Alan.Wertepny@mockroos.com
Ken Metcalf	Town Manager	561-848-1235 kmetcalf@townofmangoniapark.com
Sherry Albury	Town Clerk	561-848-1235 salbury@townofmangoniapark.com

II. GENERAL COMMENTS

The Town had staff turnover, which made recordkeeping difficult. Van planned staff training the month after the audit to discuss standard operating procedures, checklists and MS4 reporting. The Town has a new NPDES tracking system which includes the structural control inventory. Much of the Town was developed before stormwater treatment requirements and has no stormwater structures; two areas of the Town have MS4 structures.

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

Not reviewed during audit.

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

Satisfactory Unsatisfactory Not Applicable

Major Outfall Inventory: The Town has two major outfalls, one was inspected in conjunction with a new project being bought online.

Structural Control Inventory: A stormwater system was built as part of the Hill Avenue project in Year 6. The project included catch basins, exfiltration trenches, pipe and one major outfall. The entire system was inspected at construction completion.

Structural Control Inspections: Reviewed catch basin inspection reports for the existing 12 structures. The Town had plans to inspect the new section in Year 1 of Cycle 4. The Town contracts with Shenandoah to clean exfiltration trenches.

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: Litter control is performed daily by Public Works. The annual report only includes litter control performed within MS4 service area. Reviewed daily report.

Street Sweeping: The Town has no curb and gutter roads; has some valley gutter. Roads are manually swept as needed.

Road Maintenance Yards: No facility.

Part III.A.4: Flood Control Projects

Satisfactory Unsatisfactory Not Applicable

See Part III.A.1. for Hill Avenue project; the Town upgraded the road due to heavy industrial traffic and excessive ponding.

**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

Not reviewed during audit.

**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: Reported catch basin inspections, but no illicit discharge element was included on the checklist. The checklist did have a section to report oil or odor. A foul smell reported 11/2015; however, there was no record of investigation.

Required Improvements: Within 30 days of the audit report, update and submit the standard operating procedure to include follow-up and tracking investigations based on an inspection, and a structural control inspection checklist that includes illicit discharge.

**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: Posted Stormwaterandme.org on water bills.

**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

Spills: 0

Prevention: The Town performed an inflow and infiltration test and lined a force main along Hill Avenue at a new road project.

**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. The Town has some light industrial areas where manufacturing is required to be inside/under cover.

**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.

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

Satisfactory Unsatisfactory Not Applicable

Inspections: Hill Avenue Project has been ongoing for multiple years. The Town Engineer was inspecting site daily, and project was stalled for eight months. Site was less than one acre.

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

Satisfactory Unsatisfactory Not Applicable

Inspector E&SC Training: Code Enforcement does daily inspections.

Site Plan Reviewer Training: Town Engineer attended annual training hosted through the MS4 interlocal agreement by Mock-Roos; however; it was not reported. No permit applications were received during the reporting period. Reporting has been corrected since this audit.