



FLORIDA DEPARTMENT OF Environmental Protection

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

Rick Scott
Governor
Carlos Lopez-Canera
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
Permittee: Town of Ocean Ridge
Permit Number: FLS000018 (Cycle 4)
Annual Report Year: Year 1
Reporting Period: 10/01/2016 – 09/30/2017
Audit Date/Time: June 12, 2018 8:00 am – 12:00 pm

Inspector(s):

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

Permittee Representative(s):

Name	Title	Phone
James "Jamie" Titcomb	Town Manager	jtitcomb@oceanridgeflorida.com
Wayne Cameron	Building Official, Planning Zoning and Building	Wcameron@oceanridgeflorida.com
Lisa Tropepe	Town Engineer, Engenuity Group	ltropepe@engenuitygroup.com
Maryori Velasco	Project Engineer, Engenuity Group	MVelasco@engenuitygroup.com
David Johnson	Public Works	
Alan Wertepny	Mock-Roos	561-683-3113 x 231 alan.wertepny@mockroos.com

II. GENERAL COMMENTS

Submitted annual report and major outfall map prior to audit.

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

Not reviewed during audit.

TMDL Prioritization

Satisfactory Unsatisfactory Not Applicable

TMDL Prioritization Plan: Do not discharge into a TMDL WBID.

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

Satisfactory **Unsatisfactory** Not Applicable

Major Outfall Inventory: 2 major outfalls. Map also included all outfalls and other structures. It was not clear which structures were owned by the Town. Outfalls often submerged during high tide. Some have Red Valve check valves.

Structural Control Inventory: Not reporting dry detention, exfiltration, or pipes in annual report.

Dry detention: At Woolbright Rd.

Swales: installed in front of homes during major projects over the last 20 years.

Pump Stations: one at Woolbright, one at Tropical. Each have 5 pumps with generators and are connected to SCADA system. It was unclear if wet wells are inspected by Public Works or Engineering.

Exfiltration trench: at Town Hall self-contained, does not discharge. Installed in 2008.

SOP: SOP states Public Works performs continual checks include storm drains, outfalls and pump stations. SOP also states all catch basins, outfalls, pipes, swales, ditches and pump stations are inspected quarterly by Engenuity group.

Structural Control Inspections:

- Public Works (David Johnson) daily inspects top of storm grates for debris. If flooding or backups noted, will also inspect outfalls. Inspecting major outfalls more regularly, due to backups caused by algae or barnacles which may block flap gates in access manholes. Reviewed tracking, which included week dates, initials, and actions, usually “cleared vegetation/debris.” Also note flooding on specific roads or impacts from construction. Inspection tracking does not include types of activities/structures inspected.
- Public Works quarterly inspects inside catch basins for sediment, vegetation, outfalls when accessible at the seawall. Not documenting in depth quarterly inspections. Pump stations: look at wet well once or twice a year; inspected more pre- and post- storm. Not documenting.
- Town Engineer (Lisa, Engenuity Group) is onsite weekly and drives sections of Town. Town staff also respond to citizen complaints for Town, FDOT and private stormwater systems.
- Reviewed maintenance invoices: Rockline Vac Systems performs maintenance as needed. Includes TV and Vac truck, grout repair of catch basin. Barnacle Busters cleans barnacles off the outfalls for tidal flaps and Red Valves. Cleaning twice a year.
- The Town is also having TeleVac South to TV all pipes, which will be reported in Year 2.

Required Improvements:

- In future annual reports, report the Town MS4 current inventory, including retention systems, swales, solid pipe and exfiltration.
- **Within 30 days of the audit report**, update the structural control inspection SOP, including inspection checklists for each type of stormwater structure (Catch basins and pipes; swales (miles or sections); Dry Detention system, and Pump Stations. Each checklist should have at a minimum the Structure ID, date inspected, sediment/vegetation, structural integrity, maintenance needed, signs of illicit discharge.

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

Satisfactory Unsatisfactory Not Applicable

New/Redevelopment Projects: 0

Part III.A.3: Roadways

Satisfactory Unsatisfactory Not Applicable

Litter Control: Done during daily inspections by David. Trash disposed of in Town Hall dumpster. Also have a roll off for vegetation collected in roads by Public Works (residential landscaping vegetation is collected by Republic).

Pick Up Events: Police Beach Cleanup; Sand Sifters and Sea Angels perform monthly beach cleanups.

Street Sweeping: Perform sweeping throughout the Town quarterly, including valley gutter. Does not include A1A (may clean after storm events). Reviewed All American Sweeping quarterly invoices.

Part III.A.4: Flood Control Projects

Satisfactory Unsatisfactory Not Applicable

Stormwater Treatment Projects: No projects

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

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

Satisfactory **Unsatisfactory** Not Applicable

FDACS License: Only contractors apply.

Clark Environmental sprays for mosquitos and no-see-ums. Reviewed Commercial RUP Applicator license and Public Health Applicator license.

Chris Wayne and Associates does landscaping and fertilizer application. Town Hall, median ROWs. Town has no recreational areas. Reviewed the Chris Wayne pesticide applicator license.

The Town contracted for tree spraying and aquatic weed control in year 2.

Fertilizer Ordinance: Chapter 66, Article VI, Division V Florida-Friendly Use of Fertilizer

Required Improvements: **Within 30 days of the audit report**, submit a copy of Chris Wayne 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: Reported daily inspections. Discussed the need to document inspections on structural control checklists.

Reactive Investigations: Complaints go to CAD dispatch and are reported to Police Department after hours. Reviewed Police Department event log. Two pool discharges into storm drain. Dumping paint into storm drain; required company to pump out catch basin. Discussed reporting number of complaints, investigations, and ID found.

Enforcement: Police Department

Training: Discussed annually training Public Works and Police department staff on illicit discharge detection and elimination. Also discussed training all Town staff. The Police Department has monthly training meetings and can include illicit discharge videos.

Required Improvements: In the current and future reporting periods, annually train Public Works and Police Department staff on illicit discharge. Maintain sign in sheets. Report the total number of complaints received and investigated.

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

Satisfactory Unsatisfactory Not Applicable

Spills: 0

Training: See above.

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

Satisfactory Unsatisfactory Not Applicable

Website/Phone: Links on website. Rely on group activities for PSAs etc.

Public Education: Have brochures on lobby. Discuss during public meetings.

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

Satisfactory Unsatisfactory Not Applicable

Solid Waste department: Republican provides waste collection.

Public Education: See above for public education.

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

Satisfactory Unsatisfactory Not Applicable

Town is served by septic.

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

Satisfactory Unsatisfactory Not Applicable

High risk facilities: 0 facilities. Town is residential.

**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: Previously contracted all construction planning. Wayne is the new Building Official. Local Construction Site Management Ordinance requires ESC for construction. The Building Official checks ESC during building plan review process. Applications are also reviewed by Town Engineer. Recommend reviewing the construction site plan review SOP to include site plan review process for sites that require erosion and sediment control, including sites less than one acre.

ERP/CGP Coverage: No sites are an acre or more. Town is mostly SFH with very few multi-family lots.

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

Satisfactory Unsatisfactory Not Applicable

SOP: Recommend reviewing the construction site inspection SOP for sites that require erosion and sediment control, including sites less than one acre. If the SOP is updated, submit to DEP.

Inspections: 0 construction.

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

Satisfactory Unsatisfactory Not Applicable

Inspector E&SC Training: Building Official has DEP certification and Floodplain manager annual training. Reviewed DEP cert for Engenuity staff.

Site Plan Reviewer Training: Building Official.

Site Operator Training: No projects.