



# 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:** Sarasota County  
**Permittee:** Sarasota County  
**Permit Number:** FLS000004-004  
**Annual Report Year:** Year 4  
**Reporting Period:** January 2017 – December 2017  
**Audit Date/Time:** August 28, 2018

#### Inspector(s):

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#### Permittee Representative(s):

Name	Permittee/Dept	Phone	Email
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### II. GENERAL COMMENTS.

Sarasota County is a large county with a population of over 400,000 people. The county has a robust monitoring program and illicit discharge inspection and training programs. Utilizing WaterAtlas, the county is able to make publicly available almost all the information related to the stormwater management.

III. SITE VISITS

Satisfactory

Unsatisfactory

Not Applicable

**Site Type:** Fleet Maintenance Facility

**Site Name and Location:** 4310 Ashton Rd County Fleet Maintenance Facility

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

**Observations:** Followed county Air & Water Quality staff on routine inspection of facility. Site service general fleet vehicles for the county and some larger vehicles. Most services are handled within garage area. Any immediate runoff from area goes into oil/grease separator. This also services the nearby washing area. Loose materials are stored under cover, and barrels for pickup are also stored under cover.



Car wash area under cover and connected to nearby oil/grease separator system.



Oil tanks are under cover and in secondary containment.

Satisfactory

Unsatisfactory

Not Applicable

**Site Type:** Flood Control Water Quality Treatment

**Site Name and Location:** The Celery Fields

**Applicable Permit Provision(s):** Part III.A.4 and Part VIII

**Observations:** The Celery Fields is a 400+ acre regional stormwater facility which treats approximately 3,500 acres and serves as flood control measure for the Phillippi Creek watershed. Stormwater flows through created wetlands to improve water quality, while flood gates serve to manage the water flowing through the site.



#### IV. SWMP IMPLEMENTATION REVIEW

##### Monitoring Program

Satisfactory                       Unsatisfactory                       Not Applicable

**Summary:** County has a robust monitoring program which includes multiple chemical and biological markers, and includes routine sampling for indicator species in estuarine areas.

##### Fiscal Analysis

Satisfactory                       Unsatisfactory                       Not Applicable

Not reviewed during audit, but condition is satisfactory based on annual report reviews

##### TMDL Prioritization

Satisfactory                       Unsatisfactory                       Not Applicable

County has prioritized Phillippi Creek for bacteria and Alligator Creek for nutrients. Significant progress has been made towards eliminating potential sources of bacteria pollution in the Phillippi Creek.

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

Satisfactory                       Unsatisfactory                       Not Applicable

County utilizes MAXIMO software system as a tool for tracking inventory of all structures and assigning work-orders for inspections and maintenance of structures. The County is split into zones to aid in meeting NPDES permit requirements. County utilizes ArcGIS for mapping of inventory. Inventory is over 98% digitized, with the expectation that the entire system will be digitized by the end of the year.

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

Satisfactory                       Unsatisfactory                       Not Applicable

Not specifically reviewed during audit, but condition is satisfactory based on annual report reviews

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Street Sweeping:** County utilizes multi-faceted approach for street sweeping, by breaking county down between residential and main roads. County prioritizes certain roads to be swept on more regular basis. MAXIMO database can record the total amount of materials which have been removed.

**Litter Control:** Litter control happens during course of daily activities. MAXIMO database can record the amount of debris removed in almost any units which are most convenient.

**Public Works Yard/ Fleet Maintenance:** Sarasota County Air & Water Quality inspectors perform annual inspections at each county facility.

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

Satisfactory                       Unsatisfactory                       Not Applicable

County utilizes the tools available to find the areas in need of flood control projects and the county includes water quality treatment where possible. County also has several larger water quality treatment areas which also serve the greater benefit of flood control.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Municipal Transfer Stations:** Sarasota County Air & Water Quality inspectors perform annual inspections at each county facility.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**FDACS License:** County keeps records of all staff, contracted or inhouse, who apply fertilizer, herbicides, or pesticides.

**Education/Outreach:** County has a robust education and outreach program. County utilizes WaterAtlas website and many other campaigns to intended to educate the public on proper fertilizer practices.

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

Satisfactory                       Unsatisfactory                       Not Applicable

#### 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:** County conducts proactive inspections in areas and at locations which have been known to have had recurring issues.

**Reactive Inspections:** Sarasota County Air & Water Quality inspectors perform inspections when complaints are received. Public can call county hotline, or use the See-Click-Fix mobile app to submit complaints.

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

Satisfactory                       Unsatisfactory                       Not Applicable

County has web-based training program for all county staff to participate. The county also distributes this training to all co-permittees within the county.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Public Outreach:** County has robust education and outreach program. County utilizes WaterAtlas website and many other campaigns to educate the public on who to contact if there are any issues involving potential illicit discharges.

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

Satisfactory                       Unsatisfactory                       Not Applicable

**Public Outreach:** County has robust education and outreach program. County utilizes WaterAtlas website and many other campaigns to educate the public on who to contact if there are any issues involving potential illicit discharges.

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

Satisfactory                       Unsatisfactory                       Not Applicable

County owns utilities and conducts regular inspections of the system. When SSO incidents are reported/discovered, they are immediately corrected and reported to the proper authorities where necessary.

County has program for removing septic tanks from sensitive watersheds.

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

Satisfactory                       Unsatisfactory                       Not Applicable

County tracks inventory of high-risk facilities. Inspections are conducted by Air and Water Quality section.

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

Satisfactory                       Unsatisfactory                       Not Applicable

No facilities were determined to need to be monitored this reporting year. County SOPs determine that if a facility is considered to be impacting county stormwater infrastructure, then the facility can be monitored.

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

Satisfactory                       Unsatisfactory                       Not Applicable

County tracks active construction projects with the AMANDA database.

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

- Satisfactory                       Unsatisfactory                       Not Applicable

County inspects large construction projects on daily basis. County has 4 inspectors who have even coverage over the county

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

- Satisfactory                       Unsatisfactory                       Not Applicable

Appropriate staff are certified through the FDEP sedimentation and erosion control program, and conduct annual refreshers to remind staff of procedures for inspections and enforcement actions.