

Quarterly Teleconference for Florida Phase I MS4s

Wednesday, July 31, 2024

Minutes

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NPDES Stormwater Contacts:

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Kristie Beeman	Phase II MS4 Coordinator	850-245-8667
Beth Robertson	Phase II MS4 Coordinator	850-245-8495
Vacant ES III	Phase II MS4 Coordinator	
Tony Diaz	MS4 Data Steward	850-245-7568
Sharon Surita	MS4 Support/FDOT Coordinator	

Program Changes – Michelle Bull

- [Org Chart](#) presented.
- Michelle was promoted to Environmental Administrator over the NPDES Stormwater Program. The Program now reports to Matthew Knoll, Deputy Director who previously worked with DEP's OGC.
- Borja Crane-Amores was promoted to Program Management Director within the Division of Water Resource Management. He still oversees the Engineering, Geology and Hydrology section.
- Matt Irwin was promoted to Senior Program Analyst. In addition to being a Phase I coordinator, Matt handles program rulemaking and various special projects.
- There is a Phase I MS4 coordinator Environmental Consultant vacancy.
- The program received an additional position to lead the Phase II designations that will be advertised soon.
- Stormwater contact sheet is routinely updated so if there are any updates to be made, please notify us.

Cycle 5 Update Permit issuance and TMDLs

- There is one item in the Template still being discussed. Once resolved, we will begin issuing draft permit packages.
- In the meantime, program staff are closing out reviews and may reach out to permittees regarding any incomplete permit items to include annual reports, program evaluations,

assessment programs and TMDL implementation plans.

- Once the first draft package is issued to a permittee, we will notify everyone through GovDelivery so that the draft package can be viewed, and comments can be submitted by any permittee.
- There is a new public comment option through the DEP Business Portal or can be sent via email to Michelle Bull.
- Once DEP issues a draft permit package and ITI, each permit is required to be published for public comment.
- *Dana Vestal, Escambia County* – Will the effective date of SB 7040 (SW rule effective July 2024) delay the issuance of draft cycle 5 permits, or change anything in that process?
MB, FDEP – There will be no impacts. The ERP information previously stated in Part III.A.1.c will be moved to the Resource Manual and will include O&M requirements of sites permitted prior to the rule.
- *Dana Vestal* – Will we be able to see the new permit resource manual before the draft cycle 5 permits are issued?
MB - Because we have been focusing on the template itself, the resource manual was shifted to a later date. The goal is to have the manual as a living document that will be updated routinely.

Education and Outreach for Illicit Discharge Reporting – Anna Lomasney (*PPT attached*)

Comments and Q/A

- *Larry Teich* – How does certification/training in new SW rule relate to MS4 training requirements?
MB, FDEP – This requirement can count toward MS4 training that is introduced in draft template.
- *MB, FDEP* – We receive a lot of complaints from the public and EPA, so part of the purpose of this presentation is to reiterate to permittees the requirements to promote public reporting mechanisms for when members of the public have complaints or issues; ideally permittees would be contacted first.

Non-Commercial Car Washes

We have received questions regarding temporary vehicle washing from non-commercial activities, such as fund raisers.

Any discharge into an MS4 requires approval by the owner of the MS4. While residential car washing is listed as an allowable non-stormwater discharge, temporary washing operations can contribute concentrated loading to an MS4 or surface water if not properly managed.

The department created [Recommended Best Management Practices for Mobile Vehicle and](#)

Equipment Washing. The document is broad and may refer to more commercial projects but has some good guidance for temporary washing areas.

Specific BMPs for Mobile Washing:

- Identify an area where wash water can be contained for collection without the possibility of release into the waters of the state or an MS4. A grassy ground surface or swale can provide treatment for small and infrequent discharges.
- Only cosmetic washing (exterior of a vehicle) should be performed. Cosmetic washing does not include interior washing, washing of the undercarriage of the vehicle or equipment, engine degreasing, or the use of strongly acidic or strongly alkaline cleaners.
- Use only the minimum amount of detergent for the purpose of removing dirt. Use products labeled “phosphate free” that are rapidly biodegradable.
- Minimize the amount of wastewater generated by using high pressure, low volume washing techniques and equipment.
- Consider contracting with a company that can provide appropriate treatment and disposal of wastewater.

Q/A

1. *Allen Lane* – You mentioned engine degreasing, which I think of as more of a commercial operation; what we’re talking about are things like residential homeowners doing these types of things. Auto parts stores sell degreasers, but we want to prevent even single-family residents from using and letting wash down the MS4.
MB FDEP – those things would not be called cosmetic; examples chrome cleaners that don’t create runoff are not generally seen at fundraisers, but the discussion is geared towards mobile car washing that may impact the MS4.
2. *Mark Mikolon, Polk County* – Food trucks that are setting up mobile locations throughout the county and use rinse aids that are discharged onto the ground. What is the DEPs recommendation on the food trucks?
MB, FDEP – If they are permitted through [Florida DBPR](#) as a mobile restaurant, they should have a host site where they can dispose of wastewater.
Mark Mikolon, Polk County - most of the food trucks are not falling into the permitted category. Discharge pipe was put into dry retention pond of the gas station’s business, hence removing from the MS4.
MB – that would trigger some review with ERP, and they should dispose to wastewater.
Brook, Sarasota County – Food trucks should have a commissary area for prep/dumping. In Sarasota County, food trucks are not allowed tie-in to the municipal wastewater system. Reached out to Solid Waste and was told they will accept discharge as flammable waste. Alternatively, trucks may have opaque bins for temporary storage of wastewater, with vac truck disposing. Sometimes food trucks are licensed differently depending on the scope of the business operations.

3. *Jennifer Thomson, Orange County* – We have many industrial sites that pre-date ERP and local stormwater regulations, but they do have an MSGP. As we are responsible for detecting illicit discharges from certain industrial sites, could we please receive training from the Department on the MSGP program in general and the MS4 operator's responsibility? I have reached out to the local office but no success.
- MB* – We can reach out to the FDEP district to provide you with some training / information. Generally, you should have the authority to control these discharges through legal authority. We can look at getting you information on the MSGP and various BMPs that should be implemented based on the sector.

Dewatering at Construction Sites

- Certain Construction Generic Permits (CGP) issued by the Department allow for discharge of uncontaminated groundwater from dewatering operations.
- "Dewatering" means temporarily lowering the ground water level by mechanical pumping to allow for construction and excavation activities at the construction site. Dewatering discharges must not cause erosion at the discharge point.
- When applying for coverage, the applicant is responsible for demonstrating that the site is not contaminated within 500 feet of a contaminated site or whether the site has been remediated. Applicants may use the [Contamination Locator Map](#).
- Permits with FLR~~20~~XXX have dewatering coverage under the CGP.
- The DEP GP for dewatering is separate from a WMD dewatering permit.

BMPs

- The operator shall develop and implement site specific control measures or BMPs to minimize or eliminate pollutant discharges resulting from dewatering operations to surface waters of the state. Appropriate BMPs shall have been developed and implemented upon commencement of the discharge.
- These BMPs should be included in the SWPPP.
- The most common BMPs for treating dewatering discharges include sediment traps and basins, weir and dewatering tanks, filters, and chemical treatment. Each treatment type has specific uses, and inspection and maintenance frequencies.
- Turbidity Monitoring - When dewatering operations consist of off-site discharge, the contractor must ensure the effluent meets state water quality standards. Samples of the effluent should be taken at the discharge point into the receiving body. For best results, samples should be taken 2 times a day, at least 4 hours apart ([Designer Reviewer Manual, Part I, IV-9](#)).

Q/A

Allen Lane – We are reviewing plans for another municipality that provide site specific notes referencing dewatering contaminated water discharged directly to sanitary sewer.

- *MB, FDEP* – I think that would be up to the owner of the WWTF/collection facility; I would recommend reaching out to the FDEP district about IWW permit/alternatives for disposal.

- *Larry Teich, Ft. Lauderdale*: Discharge of contaminated groundwater: NO stormwater or contaminated groundwater is allowed to be discharged to the sanitary sewer system. Typically, we have the discharger set up treatment prior to discharging. Many WWTF have industrial pretreatment requirements.

Q & A / Open Discussion

- *Larry Teich* – Is there an update on eReporting? Will it be built into our reporting process now and how is eReporting.
- *MB, FDEP* – It is still going forward. We are actively working on the Phase II permitting/annual report submittal through the Business Portal. We have not yet started Phase I, and we are working on significant enhancements to DEP's database to accept all permit requirement information. Phase I's don't have an application process, rather they submit with the year 4 annual report. Permittees will be able to submit annual reports electronically only after applications are received electronically (year 4 annual report). We may not meet the deadline for eReporting (December 2025) for Phase Is as it includes all federally regulated programs including air, solid waste, industrial treatment, drinking water, etc.
- *Mark Mikolon* – opportunity for involvement with [EPA's Environmental Crimes Task Force](#) through contact Rick Anderson. The task force provides networking opportunities dealing with illicit discharges, public reporting, etc. Involvement with the Task Force is recommended.

List of permittees required to be audited and/or inspected by September 30, 2024.

*not inclusive of all audits/inspections that may be conducted

**strike through indicates audits/inspections already completed

Coordinator	Co-Permittee	Permit #	Audit Conducted
Sharon Surita/ Kristie Beeman	FDOT 7 - Hillsborough	FLS000006	8/1/2024
Anna Lomasney	Tampa - MS4	FLS000008	7/24-25/2024
Anna Lomasney	Reedy Creek Impr District - MS4	FLS000010	
Anna Lomasney	City of Belle Isle	FLS000011	
Anna Lomasney	City of Edgewood	FLS000011	
Anna Lomasney	City of Winter Garden	FLS000011	
Anna Lomasney	City of Winter Park	FLS000011	
Anna Lomasney	Valencia Water Control District	FLS000011	
Sharon Surita/ Kristie Beeman	FDOT 5 - Orange	FLS000011	8/2/2024
Matt Irwin	City of Neptune Beach	FLS000012	7/16/2024; 8/28/2024
Matt Irwin	City of Atlantic Beach	FLS000012	7/9/2024 8/14/2024
Anna Lomasney	City of Lake Wales	FLS000015	8/19-23/2024
Anna Lomasney	City of Auburndale	FLS000015	8/19-23/2024
Anna Lomasney	City of Bartow	FLS000015	8/19-23/2024
Anna Lomasney	City of Davenport	FLS000015	9/16-20/2024
Anna Lomasney	Town of Dundee	FLS000015	8/19-23/2024
Anna Lomasney	City of Frostproof	FLS000015	8/19-23/2024
Anna Lomasney	City of Haines City	FLS000015	9/16-20/2024
Anna Lomasney	Town of Hillcrest Heights	FLS000015	9/16-20/2024
Anna Lomasney	Polk Co & Co App - MS4	FLS000015	9/16-20/2024
Sharon Surita/ Michelle Bull	FDOT 1 - Polk	FLS000015	5/3/2024
Anna Lomasney	City of West Park	FLS000016	7/23/2024
Anna Lomasney	Town of Davie	FLS000016	7/23/2024
Matt Irwin	Village of Royal Palm Beach	FLS000018	
Matt Irwin	Village of Wellington	FLS000018	
Matt Irwin	Village of Tequesta	FLS000018	
Matt Irwin	Town of Lake Clarke Shores	FLS000018	
Matt Irwin	Town of Lantana	FLS000018	
Matt Irwin	Town of Highland Beach	FLS000018	
Matt Irwin	Town of Century	FLS000019	6/25/2024 8/7/2024

Sharon Surita/ Michelle Bull	FDOT 3 - Escambia	FLS000019	8/27/2024
Matt Irwin	Hialeah - MS4	FLS000023	
Anna Lomasney	Brooks of Bonita Springs Community Development District	FLS000035	6/5/2024
Anna Lomasney	City of Bonita Springs	FLS000035	6/5/2024
Anna Lomasney	Heritage Palms Community Development District	FLS000035	6/4/2024
Anna Lomasney	East Mulloch Drainage District	FLS000035	6/4/2024
Anna Lomasney	Colonial Country Club Community Development District	FLS000035	6/4/2024
Michelle Bull	FDOT 1 - Lee	FLS000035	5/2/2024
Matt Irwin	City of Oviedo	FLS000038	
Matt Irwin	City of Sanford	FLS000038	
Matt Irwin	City of Longwood	FLS000038	
Matt Irwin	City of Lake Mary	FLS000038	
Matt Irwin	City of Casselberry	FLS000038	
Matt Irwin	City of Altamonte Springs	FLS000038	
Matt Irwin	Seminole Co & Co App - MS4	FLS000038	
Matt Irwin	City of Winter Springs	FLS000038	
Sharon Surita/ Kristie Beeman	FDOT 5 - Seminole	FLS000038	8/2/2024



MS4 SOP STANDARDS ILLICIT DISCHARGE SITE PLAN REVIEW CONSTRUCTION INSPECTIONS

Kristie Beeman

Water Resource Management / NPDES
Florida Department of Environmental Protection

Phase II Quarterly Teleconference | July 31, 2024



ILLICIT DISCHARGE DETECTION & ELIMINATION

MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

- *Components of SOP per the 2021 Generic Permit:*
 - Schedules and protocols for identification of priority areas for detailed screening of the system based on the likelihood of illicit discharges and connections.
 - Investigation techniques for suspected or detected illicit discharges, including procedures for source tracing, to identify the source(s) of the suspected illicit discharges, illegal connections, illegal dumping, and improper disposal to the MS4.
 - Procedures, including enforcement, for removal and/or correction of the source of the illicit discharge, illegal connection, illegal dumping, and improper disposal to the MS4.
 - Documentation of actions taken under the plan.



SITE PLAN REVIEW

MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

- *Construction Site Stormwater Runoff Control:*
 - Defined as “a program to reduce pollutants in any stormwater runoff to the Phase II MS4 from construction activities that result in a land disturbance of greater than or equal to 1 acre...”
- *Components of Site Plan Review SOP per the Generic Permit*
 - Procedures for site plan review which incorporate consideration of potential water quality impacts
 - Procedures to notify operators that they may be required to obtain coverage under the NPDES CGP permit, or the Florida ERP



CONSTRUCTION SITE INSPECTIONS

MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

- *Construction Site Stormwater Runoff Control:*
 - Defined as “a program to reduce pollutants in any stormwater runoff to the Phase II MS4 from construction activities that result in a land disturbance of greater than or equal to 1 acre...”
- *Components of Construction Site Inspections per the Generic Permit*
 - Prioritization of sites for inspection based on the nature and extent of the construction activity, topography, and characteristics of soils and receiving water quality.
 - Implementation of techniques for inspection to ensure the selection, installation and maintenance of BMPs as required by ordinance
 - Enforcement responses such as warnings, stop-work orders, non-monetary penalties, etc.
 - Verification the construction site operator has received coverage under a CGP or ERP, if required



WHAT TO INCLUDE IN ANY SOP

THE 5 Ws AND SMART

- The 5 Ws can be applied to the procedures previously listed:
 - Who?
 - What?
 - When?
 - Where?
 - Why?
- Procedures should be SMART:
 - Specific
 - Measurable
 - Attainable
 - Relevant
 - Timely



ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM STANDARDS



WHO IS IMPLEMENTING THE PROGRAM?

- Who is in the field near the stormwater systems daily?
- Who is trained to conduct proactive illicit discharge inspections?
- Who is trained to conduct reactive investigations?
- Who is responsible for carrying out and documenting each procedure?
- Who will keep track of the documentation for the inspections?



WHAT ARE YOU LOOKING FOR?

- What are you looking for in the field?
- What kinds of illicit discharges are there?
- What are the different methods for tracing or removing an illicit discharge?
- What is the procedure for a proactive inspection?
- What is the procedure for a reactive investigation?



WHERE ARE YOU CONDUCTING INSPECTIONS?

- Where are you conducting proactive inspections?
 - For high priority areas?
 - For low priority areas?



WHEN ARE YOU CONDUCTING INSPECTIONS?

- When are you conducting proactive inspections?
 - For high priority areas?
 - For low priority areas?
- When are you conducting reactive investigations?
- When is training for the inspectors being conducted?



WHY ARE YOU CONDUCTING INSPECTIONS?

RATIONALE BEHIND THE PROCEDURE

- Why conduct inspections in certain areas?
 - Why is a high priority area defined as a high priority area?
 - Why is a low priority area defined as a low priority area?
- Is there historic dumping there?
- Is it close to receiving waters or environmentally significant areas?
- Is there a connection to a County or FDOT MS4?



HOW SUCCESSFUL IS YOUR PROGRAM

PROGRAM EVALUATION AND ASSESSMENT

- How to determine if your program is successful or not?
 - How you determine this can be based off a variety off standards and evaluation criteria
- Requires the 5 Ws:
 - Who is responsible for evaluating the program?
 - What are the criteria you are using to evaluate your program?
 - When are you evaluating your program?
 - Where do you want your program to be?
 - Why these standards?



SITE PLAN REVIEW PROGRAM STANDARDS



WHO IS IMPLEMENTING THE PROGRAM?

- Who is currently conducting the site plan reviews?
- Who is responsible for reviewing site plans for compliance with erosion, sedimentation and waste control (ESWC) requirements?



WHAT SHOULD BE INCLUDED IN A SITE PLAN REVIEW SOP?

- What are the standards for plan approval?
 - Standards for plan approval should be based on ordinances and City's Comprehensive Plan and Land Development Regulations
 - Include those standards/citations
- What is the mechanism used to track reviews?
- What is the mechanism used to track ERP/CGP Notification?
- What are you doing to notify applicants of possible need for ERP/CGP coverage?
 - Link to confirm CGP: Business Portal, List, MapDirect
 - ERP: WMDs



WHEN ARE YOU CONDUCTING THE REVIEWS?

WHEN ARE YOU NOTIFYING APPLICANTS?

- When does the site plan review for ESWC take place?
- When is the contractor notified of CGP/ERP requirements?
- When do compliance inspections take place?



CONSTRUCTION SITE INSPECTION PROGRAM STANDARDS



WHO IS IMPLEMENTING THE PROGRAM?

- Who is responsible for conducting Stormwater Erosion, Sediment, and Waste Control (ESWC) inspections?
- Who is trained to conduct ESWC inspections?
- Who is responsible for carrying out and documenting each procedure?
- Who will keep track of the documentation for the inspections?



WHAT ARE YOU LOOKING FOR?

- What are you looking for in the field?
- What kind of BMPs are located on site?
 - Do the BMPs match what is in the SWPPP?
- Are the BMPs sufficiently maintained?
- Are the BMPs sufficient?
- Should the site have an ERP/CGP?
- Are there any discharges off-site?



WHERE ARE YOU CONDUCTING INSPECTIONS?

- Where are you conducting ESWC inspections?
 - Sites that are greater than an acre or part of a common plan of development are to be inspected.



WHEN ARE YOU CONDUCTING INSPECTIONS?

- When are you conducting inspections?
 - The Department recommends inspecting sites monthly or more often.
- When is training for the inspectors being conducted?



WHY ARE YOU CONDUCTING INSPECTIONS?

RATIONALE BEHIND THE PROCEDURE

- Why conduct inspections on certain sites more or less frequently?
- Is there historic non-compliance there?
- Is it close to receiving waters or environmentally significant areas?
- Is there a connection to a County or FDOT MS4?



HOW SUCCESSFUL IS YOUR PROGRAM

PROGRAM EVALUATION AND ASSESSMENT

- How to determine if your program is successful or not?
 - How you determine this can be based off a variety off standards and evaluation criteria
- Requires the 5 Ws:
 - Who is responsible for evaluating the program?
 - What are the criteria you are using to evaluate your program?
 - When are you evaluating your program?
 - Where do you want your program to be?
 - Why these standards?



THANK YOU

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