

Quarterly Teleconference for Florida Phase II MS4s

Wednesday, July 31, 2024

Meeting Summary

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NPDES Stormwater Contacts:

Michelle Bull	Environmental Administrator	850-245-7561
Anna Lomasney	Phase I MS4 Coordinator	850-245-8568
Matt Irwin	Phase I MS4 Coordinator	850-245-8643
Vacant EC	Phase I MS4 Coordinator	850-245-7568
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	

- Welcome – Michelle Bull
- Program Updates – Reorganization.
 - 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.
- SOP preparation related to new permit requirements, Kristie Beeman (PPT attached)
 - Site plan review
 - Construction site stormwater runoff control
 - Components of construction site inspections
 - What should be included - The 5 W's and SMART procedures
 - Differences between ERP/CGP
 - Training SOP – who's conducting, who's attending, what is covered, when are they scheduled
 - DEP has been hosting more FSESCI trainings which are open and free to public employees, and we will disseminate the information as soon as possible.

Q/A - Discussion

- *Katie Laakkonen* – It would be helpful to know what software applications other municipalities are using to track all of these records.
KB, FDEP – Survey123 – many inspections are being conducted with this reporting mechanism.
Joseph Whyte – In the past I have used ArcGIS Survey123 to help track inspections/maintenance
- *Bob Danies* – Will the PowerPoint slides be available?
MB, FDEP – We will provide with the meeting minutes
- *Sally Atkins*: I heard you say something about expecting monthly inspections and I just wanted to clarify what the expectation is. Each municipality is of different size and there is no way we could inspect everything monthly.
KB, FDEP – It is a recommendation, but the expectation should not be just one inspection, but that its frequently enough to monitor what is going on.
- *Bliss, Karen* – Is the County responsible for determining if the building site requires a CGP/ERP?
MB, FDEP: In the case of an MS4, if you are using a district as a QAR, this is why it was added to the permit. We could give some guidance on what would trigger a permit and depends on what each district considers construction. The goal is you notify they might need one and that it is referred to local permitting permit.
- *Maryann Krisovitch* - What trips the threshold for needing a CGP?
MB, FDEP: If it disturbs one acre or more or is part of a common plan of development (CPD). Roadside construction is also considered part of a CPD.
KB, FDEP – we are working on a guidance document and can provide what information needs to be passed to the notice center.
NPDES Stormwater construction generic permit is required for any construction activities that:
 - 1.1.1 Disturb one or more acres of land or disturb less than one acre of land but are part of a common plan of development or sale; and*
 - 1.1.2 Discharge stormwater to surface waters of the state or to surface waters of the State through a municipal separate storm sewer system (MS4).*
- *Christine Vrabic, Marion County*: For common plan of development, if we have plats from the 70s that have no designed stormwater system, they would still be required to get CGPs?
MB, FDEP: Yes. We know that the ERP requirements came around the 80s. We have quite a few that may not have centralized SW system and would be required to get an ERP permit and would be considered CPD.
- *Jason Sparks* – please provide the draft guidance Kristie. We have lots as part of a common plat that are now being developed. Thanks!
- *Reed, Junos* – You mentioned road work being a part of a common plan. How about a water or sewer retrofit project
MI, FDEP – They can. It depends on whether the plan includes construction activities that disturb an acre or more, regardless of the number of contractors, timing of activities, etc. Contact the Notices Center to inquire on particular projects.
- *Adkins, Sally* – Can you please include all of the shared information in the meeting notes?
MB, FDEP – *Meeting minutes will be provided along with presentations.*
- *Rhonda Watkins* – If a single-family home site is 1/2 acre but it is located in a larger development, do they need a CGP?

MB, FDEP – Yes, they are under the 1-acre threshold, but they are in the platted/planned development. The purpose here is to look at the potential for pollution. Common requirement in the last few permit cycles.

- Non-commercial Car Washing, Temporary Stations, Michelle Bull
 - 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 – Comments

- *Sally Adkins*, I wanted to clarify, it would be difficult to know everyone who would be hosting a fundraising carwash, and I don’t think it would be feasible to enforce. Is this something you have addressed through enforcement in Tallahassee.
MB, FDEP, IF a large event is being held, requiring a permit. Some education can be directed to facilities known to have periodic car washes.
- Dewatering Discharges from Construction Sites, Michelle Bull
 - Certain Construction Generic Permits issued by the Department allow for discharge of uncontaminated groundwater from dewatering operations.
 - When applying for coverage, the applicant is responsible for demonstrating that the site is not contaminated or within 500 feet of a contaminated site, using the Contamination Locator Map: [Florida DEP Cleanup Sites \(state.fl.us\)](https://state.fl.us/floridadep/cleanupsites/) or whether the site has been remediated.
 - Permits with FLR20XXX have dewatering coverage under the CGP.
 - The DEP GP for dewatering is separate from a WMD dewatering permit.
 - "**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.
 - 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 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 – Comments

- *Chad Ward* – Petroleum restoration program has closed out facilities with conditional closure and have removed from the contaminator locator map.
MB, FDEP – It is the responsibility of the applicant to demonstrate its not contaminated. The map is just one tool. That would be the same for dewatering of construction and offsite.
 - *Rhonda Watkins* – We consistently have issues with contractors taking background samples within impacted areas. Does FDEP/WMDs have a better definition of background?
MB, FDEP – We will do some research and get back to you
- Appendix A 3. Illicit Discharge Detection and Elimination (IDDE) MCM [Parts V.B.3.a-d of the Phase II MS4 Generic Permit]
 - Complaints being fielded, but within MS4s, complaints should be addressed by MS4 representative prior to going to DEP/EPA
 - 3c-02(a) Planned, scheduled or proactive screenings and/or inspections
 - 3c-02(b) Investigations based on complaints and/or conditions observed in the field
 - 3d Inform public employees, businesses and the general public of hazards associated with illicit discharges, illegal connections, illegal dumping, and the improper disposal of waste.
 - Spill prevention or cleanups or PW projects. We encourage permittees to use a variety of channels for reporting (i.e. website, phone).
 - Staff training – should know what the reporting mechanisms are so they can share with public while out in the field.

Q & A / Open Discussion

- *Pam Weeks* – Any info on MS4 permits? When can we expect them to be approved?
MB, FDEP – We are backlogged but are fully staffed now. Kristie and Beth have been trying to get RAIs out promptly. If you have a specific permit you want to ask about, email your coordinator. We are at the end of our federal fiscal year, so we are directing efforts to audits until after September.
- *Maryann Krisovitch* – Where can I find info on permittees who have had enforcement issues taken on them for non-compliance with their permit? It helps to keep council members on board with the program to know there is a hammer out there
MB, FDEP – I'm not sure you can do a search in Oculus unless you know which permit you are looking for. We have been doing enforcement on the MS4s and can provide a list of that or do a data pull where we have executed consent orders. We have a few that are underway but do not get oculized until executed. We will email you about that

to get more information. Many of the enforcement cases revolve around not implementing the program or not having sufficient ordinances. We will add language in the permit to strengthen enforceability. The permit is written to the entire municipality/district/entity, and not just a PW department etc.

- *MB, FDEP* – Recommendation to coordinate with other MS4 operators and discuss any regional issues. Reviewing each other's regulations and SOPs can be very helpful as a resource and an opportunity to strengthen everyone's MS4. The program contacts are listed in DEP website, or you can reach out to your coordinator for help
- *Venetia Barnes* – Is this a quarterly meeting? Next meeting will be held?
MB, FDEP – It will be in November, but is not set yet.

Audits to be Conducted by September 30, 2024

Note that this depicts a tentative list that is subject to change

*inspection required

Coordinator	Permittee	Permit #	Audit Conducted
Kristie Beeman	Town of Melbourne Beach	FLR04E041	3/13/2024
Kristie Beeman	Town of Ponce Inlet	FLR04E071	1/23/2024
Kristie Beeman	City of Satellite Beach	FLR04E072	3/14/2024
Kristie Beeman	Town of Orange Park	FLR04E075	2/20/2024
Kristie Beeman	City of DeLand	FLR04E078	5/21/2024
Kristie Beeman	City of Titusville	FLR04E079	6/18/2024
Beth Robertson	Naval Air Station Jacksonville	FLR04E091	2/22/24
Beth Robertson	Florida International University	FLR04E092	4/25/24
Kristie Beeman	City of Deltona	FLR04E099	5/22/2024
Beth Robertson	City of Eustis	FLR04E100	4/2/2024
Kristie Beeman	City of Green Cove Springs	FLR04E103	1/25/2024
Beth Robertson	Town of Lady Lake	FLR04E105	1/31/24
Beth Robertson	Lake County	FLR04E106	4/1/2024
Beth Robertson	City of Umatilla	FLR04E108	
Beth Robertson	City of Leesburg	FLR04E110	1/30/24
Beth Robertson	City of Fruitland Park	FLR04E114	4/2/24
Kristie Beeman	City of DeBary	FLR04E120	6/20/2024
Kristie Beeman	City of Panama City Beach	FLR04E123	2/8/2024
Kristie Beeman	City of Sebastian	FLR04E124	3/12/2024
Kristie Beeman	City of Orange City	FLR04E126	5/23/2024
Michelle Bull	FDOT 6	FLR04E132	
Kristie Beeman	City of Clewiston	FLR04E134	5/1/2024
Kristie Beeman	Glades County	FLR04E137	4/2/2024
Kristie Beeman	Hendry County	FLR04E138	4/30/2024
Michelle Bull	FDOT 7 - Citrus County	FLR04E142	
Beth Robertson	City of Inverness	FLR04E144	4/23/24
Kristie Beeman	City of Palm Coast	FLR04E145	1/24/2024
Beth Robertson	City of Mascotte	FLR04E146	
Michelle Bull	FDOT 1 - Highlands	FLR04E147	4/9/2024
Kristie Beeman	Highlands County	FLR04E148	4/3/2024
Kristie Beeman	City of Sebring	FLR04E149	4/4/2024
Beth Robertson	City of Dunnellon	FLR04E154	
Beth Robertson	Town Of Montverde	FLR04E155	
Beth Robertson	University of North Florida	FLR04E158	2/21/24



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 of 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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