

EGLE's MS4 Program

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MECC

**MICHIGAN
ENVIRONMENTAL
COMPLIANCE
CONFERENCE**

Topics



Brief overview of
MS4 Program



Compliance issues
& successes



Application
updates



Annual Progress
Reports

Municipal Separate Storm Sewer System (MS4)

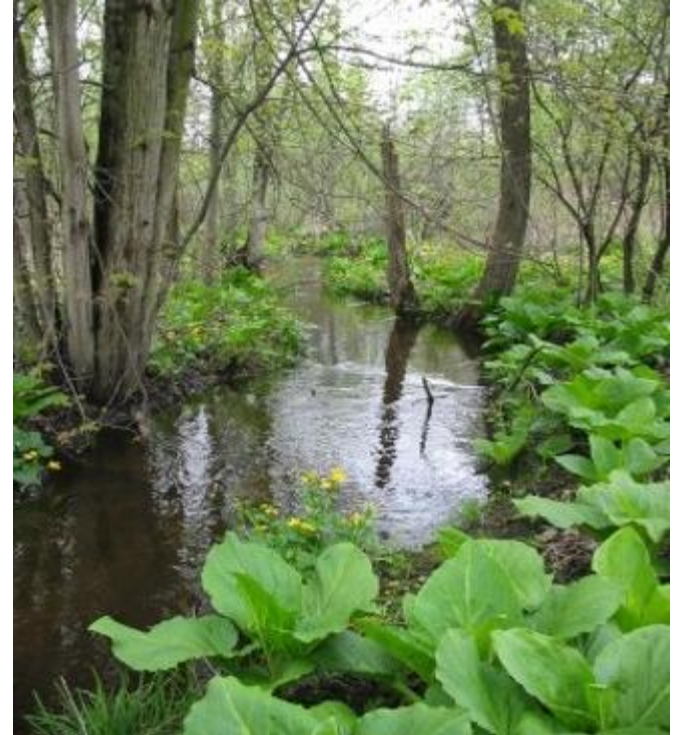


System designed or used to collect or convey stormwater

- Enclosed pipes, roadside ditches, swales, roads, and parking lots
- Structural controls

Surface Waters of the State

- Lakes, rivers, streams, wetlands, and open drains
- Not a system constructed solely to convey stormwater



Outfalls and Points of Discharge

Outfall

- Discharge from an MS4 directly to surface waters

Point of Discharge

- Discharge from an MS4 to another MS4



MS4 Program

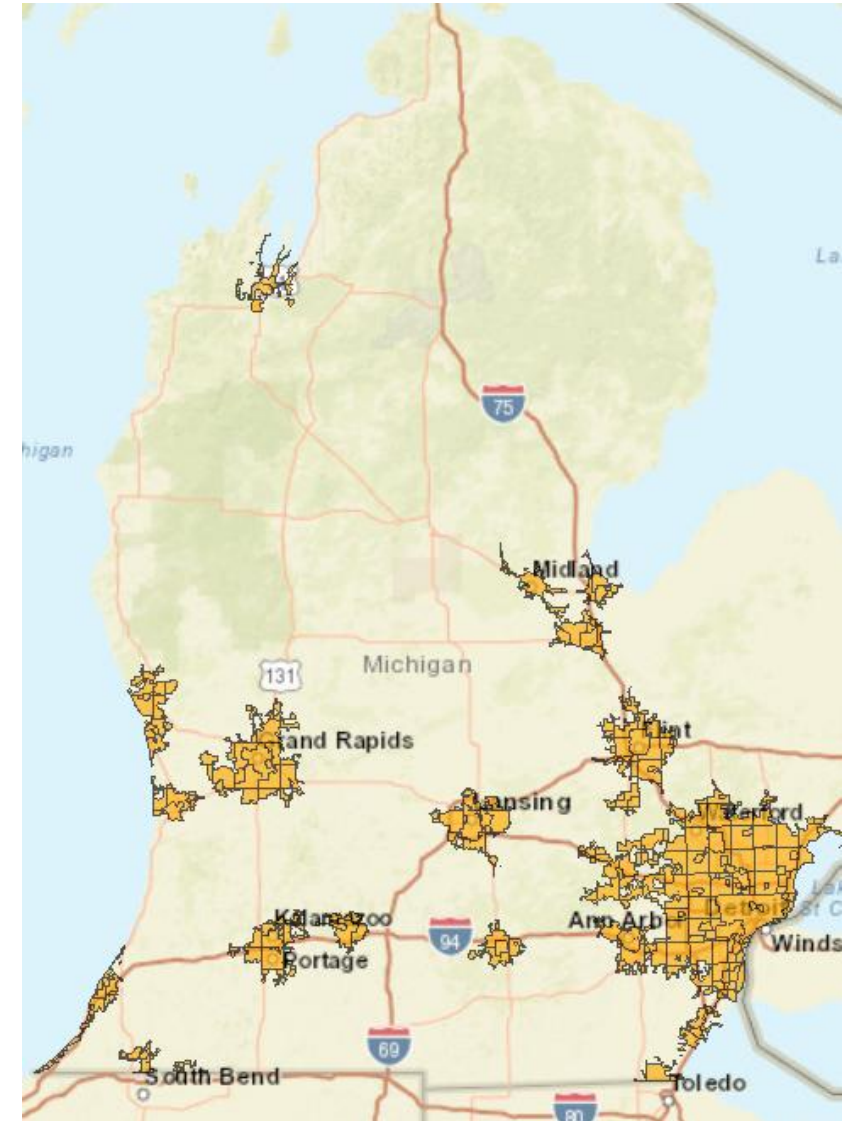
Quick Facts

Phase I

Ann Arbor
Flint
Grand Rapids
Lansing
Sterling Heights
Warren

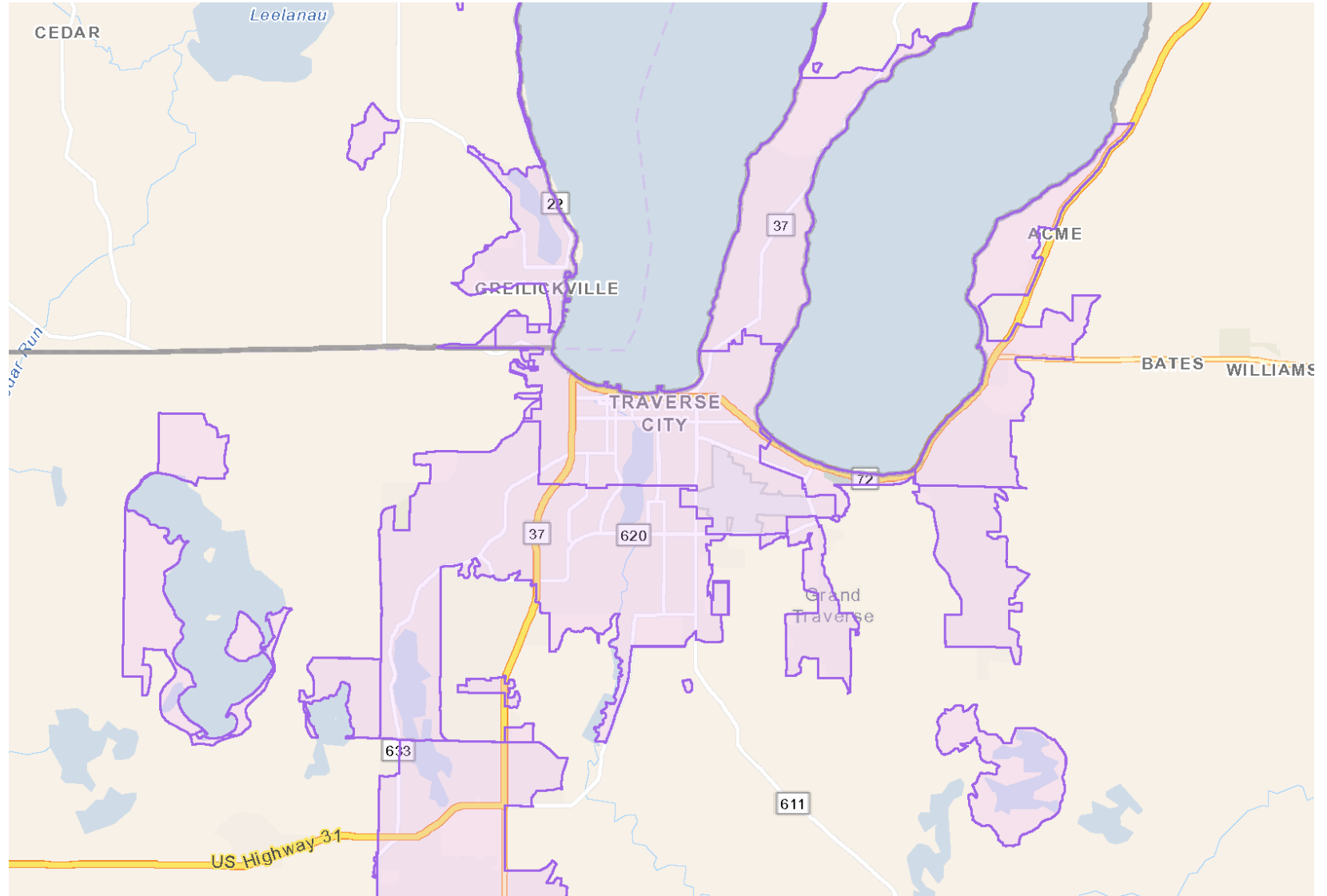
Phase II

Nearly 400 cities,
villages, townships,
counties, and school
districts



Expanded 2020 Urban Area Map

- Updated maps from EPA based on the 2020 Census data.
- Interactive map available on the MS4 webpage: [Municipal Storm Water Program \(michigan.gov\)](https://www.michigan.gov/ms4)
- Traverse City area is newest area being brought into the MS4 Program



MS4 Program: The Stormwater Management Program (SWMP)

Each MS4 develops and implements their own SWMP which contain the following Minimum Control Measures which are technology based effluent limitations (TBELs):

1. Public Participation/Involvement Process
2. Public Education Program
3. Illicit Discharge Elimination Program
4. Construction Stormwater Runoff Control Program
5. Post-Construction Stormwater Runoff Program
6. Pollution Prevention and Good Housekeeping Program

And Water Quality Requirements:

Total Maximum Daily Load (TMDL) Implementation Plan

Public Participation/Involvement

Implementing a public involvement/participation program that provides opportunities for community members to participate in program development and implementation.

The screenshot shows the City of Lansing website. The header includes the City of Lansing logo and navigation links: Visitors, Residents, Work, Departments, and Contact. A search bar is also present. The main content area is titled "Public Service" and features a sidebar with links to various city services. The main content area is titled "Stormwater Management Plan" and includes a list of attachments, a contact information box for Chad Gamble, and a section for help implementing the plan.

Where Michigan Works!
City of Lansing
Visitors Residents Work Departments Contact

Welcome. Please [contact me](#) if I can help you in any way.
-Mayor Virg Bernero

Public Service

Divisions
Projects
Current Traffic Advisories
CART: Capital Area Trash and Recycling
Streets
Sidewalks
Biking and Walking the City
SeeClickFix and Nixle
Wet Weather Control Program
Stormwater

Stormwater Management Plan

The City of Lansing's Stormwater Management Plan is comprised of its [National Pollutant Discharge Elimination System Permit Application](#) and the following attachments.

1. Table 1-MS4 Outfall Locations
2. Enforcement Response Procedure
3. Attachment A-Public Education Plan
4. Attachment A-Action Plan
5. Attachment B-IDEP
6. IDEP Prioritized Areas
7. Attachment C-SOPS
8. Attachment D-SESC Procedures
9. Attachment E-Construction SW Runoff Control
10. Attachment F-Post Construction
11. Post-Construction Design Manual
12. Post-Construction Policy Manual
13. Attachment G-Good Housekeeping

Chad Gamble
Public Service
Contact
7th Floor City Hall
124 W Michigan Ave.
Lansing, MI 48933
Ph: 517-483-4455
Fax: 517-483-6082
cgamble@lansingmi.gov
HOURS
Monday through Friday
8:00 a.m. to 5:00 p.m.
Recycling
Monday through Thursday
8:00 a.m. to 4:00 p.m.
Capital Area Recycling & Trash
Monday through Thursday
8:00 a.m. to 4:00 p.m.

Help Us Implement the Stormwater Management Plan
Explore the articles and brochures included on this website to help discover what you can do to help preserve and protect our lakes, rivers and streams.
Volunteer. Many organizations have volunteer opportunities, such as river cleanup events (Board of Water & Light) and macroinvertebrate sampling (Mid-Michigan Environmental Action Council). See Stormwater Links. Hop on over to the [GLRC website](#) for more information.
Help Us Improve the Stormwater Management Plan
Send or email us your comments and suggestions

The screenshot shows the Waverly Community Schools website. The header includes the Waverly Community Schools logo and navigation links: Departments, Board Of Education, Parents & Students, Information, and Contact Us. The main content area is titled "Stormwater Management" and includes a section for why worry about stormwater, a description of the stormwater management program, and a section for what can be done to improve the system.

DISTRICT HIGH SCHOOL MIDDLE SCHOOL EAST ELMWOOD WINANS COLT

WAVERLY COMMUNITY SCHOOLS

Departments Board Of Education Parents & Students Information Contact Us

Stormwater Management

Stormwater Management

Why worry about stormwater? Click here to learn more about the importance of stormwater.
[Why Worry About Stormwater?](#)

The District has developed a comprehensive Storm Water Management Program as required by the Environmental Protection Agency. The program is designed to help the District improve the quality of the storm water discharged from District facilities. The written plan is available for review through the Custodial, Grounds, and Maintenance Office, 3809 W. St. Joseph, Lansing, MI. If you have any questions or wish to review the plan, please call 517.321.1088 ext. 3402.

Storm Water drains are for rain water. Drains which may be near curbs in the streets or in field areas carry rainwater and other items that wash off the streets are called storm drains. The grate that prevents large objects from flowing into the storm system is called a catch basin. Storm drains are located outside and are not connected to the system of pipes that carries waste water to a treatment plant.

Anything dumped into the storm drains flows directly into a pond, stream, river, or some other body of surface water without any treatment.

Sanitary Sewers are for waste water. Indoor drains (sinks, bathtubs, washing machines, toilets , etc.) go to a sanitary sewer. These drains are connected to a series of piping that carries waste water to treatment plant. Once at the treatment plant the harmful materials are removed so that the water leaving the plant is safe for the environment. Sanitary sewers are not designed to carry storm water.

We make a difference. What can we do? Do not pour anything (motor oil, gas, fertilizer, cleaning agents, etc.) in a storm drain that would have a negative impact on the quality of our water system.

Do not pour anything (motor oil, gas, fertilizer, cleaning agents, etc.) in a storm drain that would have a negative impact on the quality of our water

Public Education Program

Distributing educational materials to the community and conducting outreach activities to inform citizens about the impacts of polluted stormwater runoff discharges on water quality and the steps that can be taken to reduce stormwater pollution.



Illicit Discharge Elimination Program

Developing, implementing, and enforcing a program to detect and eliminate illicit discharges to the storm sewer system. The program includes developing a system map, prohibiting illicit discharges into the MS4 through local requirements, a plan to detect and eliminate illicit discharges, and informing the community about hazards associated with illegal discharges and improper disposal of waste.



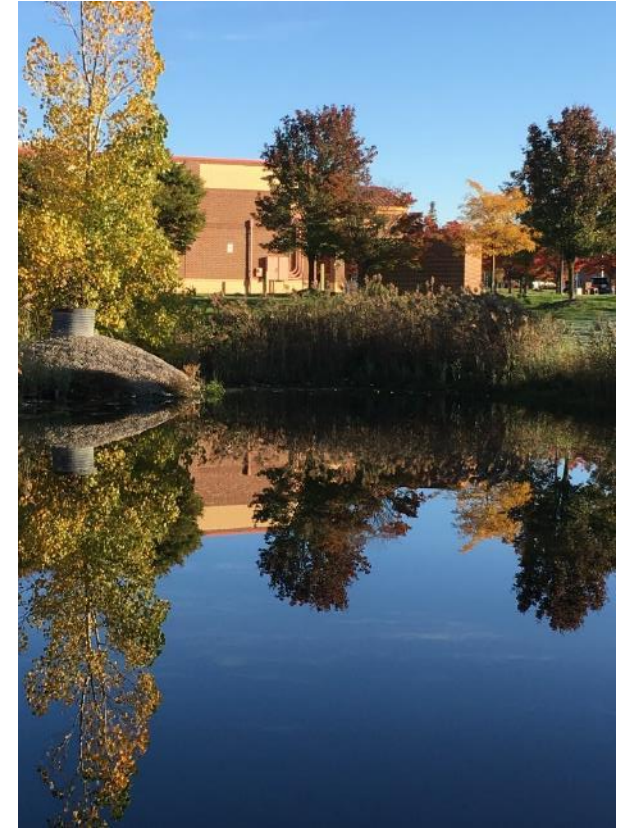
Construction Site Runoff Control Program

Developing and implementing a program to reduce pollutants in stormwater runoff to the MS4 from construction activities.



Post-Construction Runoff Control

Developing, implementing, and enforcing a program to address discharges of post-construction stormwater runoff from new development and redevelopment projects that result in disturbance of 1 or more acres.



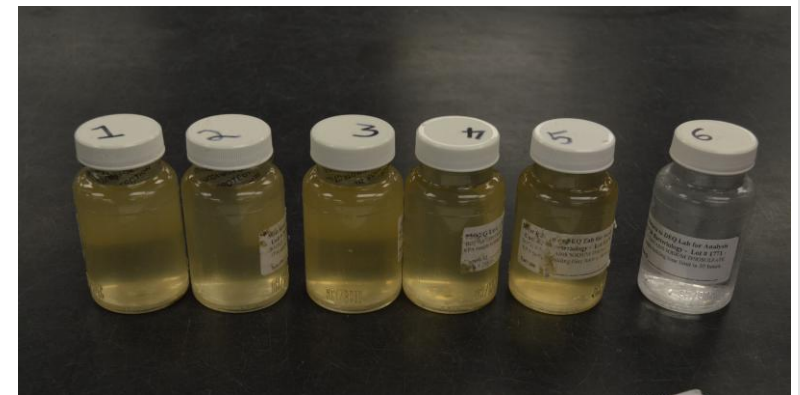
Pollution Prevention/Good Housekeeping

Developing and implementing an operation and maintenance program with the goal of preventing or reducing pollutant runoff from municipal operations. The program must include municipal staff training on pollution prevention measures and techniques, and adoption of appropriate controls (e.g., regular street sweeping, reduction in the use of pesticides or street salt, frequent catchbasin inspection/cleaning).



Total Maximum Daily Load

Developing and implementing a program to reduce the discharge of the TMDL pollutant from the MS4 to make progress in meeting Water Quality Standards. The program must include a process for identifying and prioritizing BMPs currently being implemented or to be implemented and a monitoring plan for assessing the effectiveness of the BMPs.



Common Compliance Issues

- Lack of timely follow up on illicit discharges.
- MS4s not applying post-construction standards to their own projects.
- Lack of sampling for TMDLs
- Lack of inspection/cleaning of catch basins.
- Lack of street sweeping
- Lack of documentation



NPDES PHASE II
Outfall and Point of Discharge Survey Sheet
Saginaw Area Storm Water Authority

GENERAL INFORMATION:					
Outfall #:	CS6	Date:	05/15/2023		
Lat/Long:	43.402, -83.965	Crew Initials:	SMG		
Municipality:	City of Saginaw	Condition:	Fair		
Receiving Water:	Saginaw River				
Additional Notes:	Outfall in good condition				
WEATHER CONDITIONS:					
Air Temperature (°F):	51	Rain:	No	Weather:	Sunny
Number of days of no precipitation or runoff events prior to inspection:				2+	
SOURCE INFORMATION:					
Source Type/Material:	Concrete	Size (inches):	12		
Flow Present in Source?:	No	Depth of Water in Pipe (in.):	0		
Is the Pipe Submerged?:	No	Upstream Investigation Completed:	No		
PHYSICAL DISCHARGE OBSERVATIONS:					
Odor:	None	Turbidity:	None	Deposits/Stains?:	None
Color:	None	Floatables:	None	Vegetation Conditions:	Normal
Vegetation Extent:	N/A				
Erosion Present at Source?:	No	Damage to outfall/point of discharge structure?:			None
Erosion Description:	N/A				
Damage Notes:	N/A				
CHEMICAL ANALYSIS:					
Chemical Analysis Performed:	No	pH:	N/A	Ammonia (ppm):	N/A
Temperature (°F):	N/A	TDS:	N/A	DO (mg/L):	N/A
Specific Conductivity (µS/cm):	N/A	Turbidity:	None	Surfactants:	N/A

SITE PHOTO

Compliance Successes

- Use of asset management technology to support SWMP implementation (e.g., GIS-based programs such as Lucidity, Cityworks, and Roadsoft).
- Use of interns to assist with requirements.
- Increased awareness of other sources of E. coli, like dogs!
- Purchasing new equipment or contracting work to ensure long-term implementation.
- Reintroduction of legislation to allow for the creation of optional stormwater utilities.

Application Updates

The MS4 applications now provide specific requirements:

- Catch Basin Inspections 1x/3 years
- Street Sweeping 2x/year



A person wearing a white lab coat is writing on a document with a pen. The background is blurred, showing what appears to be a laboratory or office setting.

Progress Report Update – Changing to Annual Progress Reports

Why the move to annual reports?

Align

- with EPA's e-reporting rule

Align

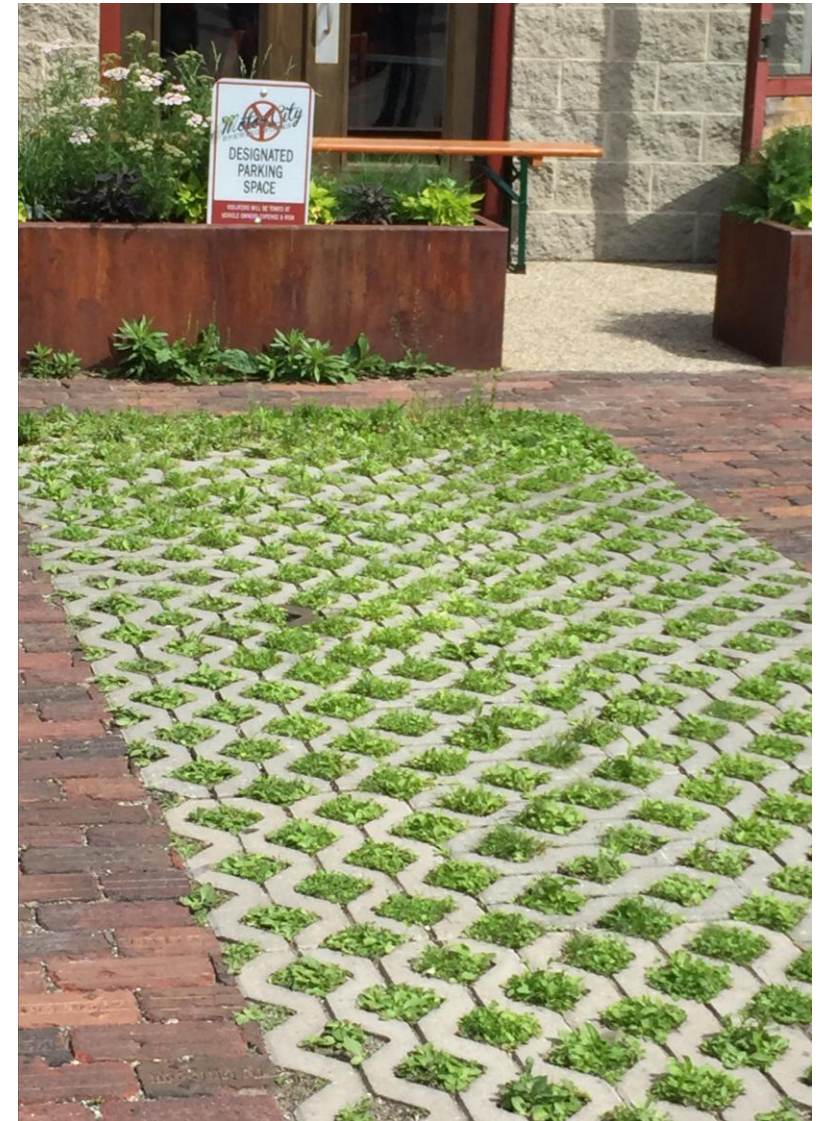
- with other MS4 programs across the country

Provide

- EGLE staff with concise information

Allow

- a place to upload the information MS4s collect on an annual basis



When to
expect annual
progress
reports?

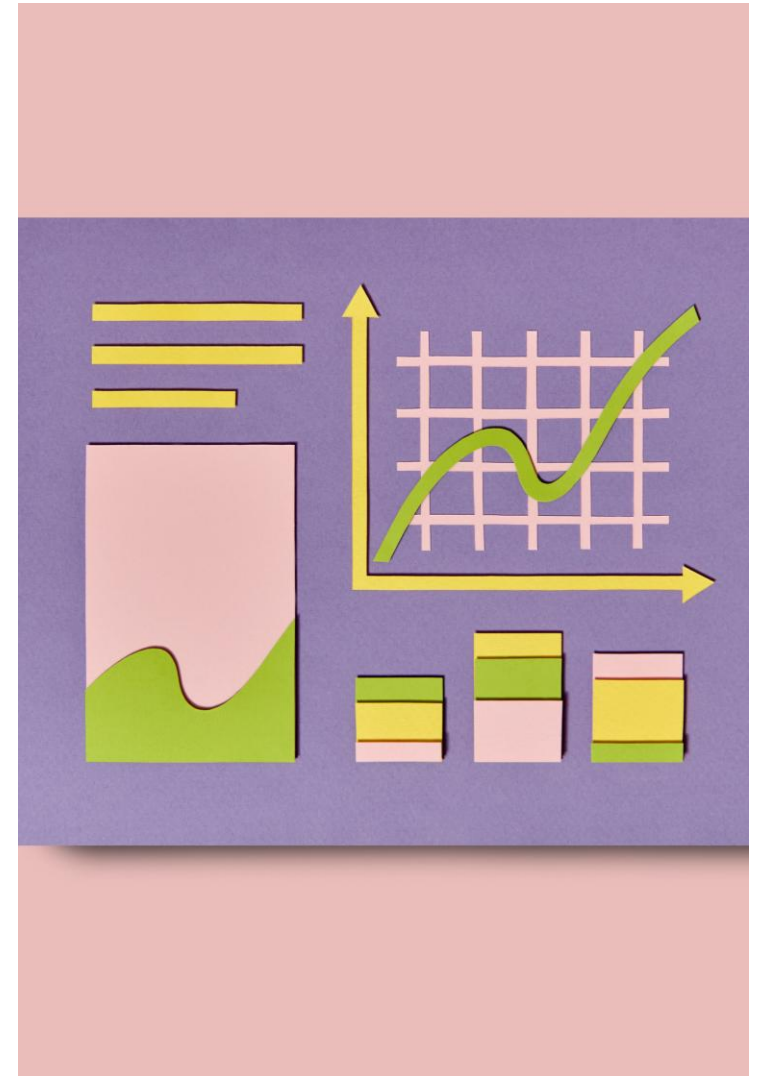


Permits that have
been **reissued** in
2025 and after

Due date shifting
from April 1 to
March 1

What information is needed for the progress report?

- Initial reporting period will be from your reissued permit's effective date through 12/31 of the same year
- Data you collect currently per permit requirements
- No uploads of reports are required



Examples of Questions

Does the permit indicate collaboration on PPP?

Is the most recently approved Stormwater Management Program (SWMP) available on a permittee website? if no, provide a date when this will be completed: _____

Is a contact listed on the website for the public to comment on the SWMP? if no, provide a date when this will be completed: _____

Examples of Questions

Was dry-weather screening performed during the reporting period?

- If no, provide an explanation
- If yes, provide the number of outfalls and/or points of discharge dry-weather screened (field observation): _____

Of the outfalls and/or points of discharge identified above, was dry-weather flow observed?

- If yes, provide the number of outfalls or points of discharge had dry-weather flow: _____
- Was a field screening performed in each instance when dry weather flow was observed, including indicator parameter testing in accordance with the schedule? if no, provide an explanation: _____

Resources

- All MS4 permittees were notified via MiEnviro in September 2025
 - Notification included FAQs and the questions in the report
- EGLE has developed a tracking tool to share with permittees
 - More reviews required to make available on the MS4 webpage



Michigan Department of
**Environment, Great Lakes, and
Energy**

800-662-9278

Michigan.gov/EGLE

Thank you!



Follow us at: Michigan.gov/EGLEConnect

Questions?

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