



CITY OF PERRYSBURG, OHIO

STORMWATER MANAGEMENT PLAN

MARCH 2022



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CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Thomas G. Mackin

Thomas G. Mackin, Mayor, City of Perrysburg

3/30/2022

Date



ACRONYMS

BMP – Best Management Practice
CCCW – Clear Choices Clean Water
CFR – Code of Federal Regulations
CGP – Construction General Permit #OHC000005
CSO – Combined Sewer Overflow
GIS – Geographic Information System
HSTS – Home Sewage Treatment System
HUC – Hydraulic Unit Code
MCM – Minimum Control Measure
MS4 – Municipal Separate Storm Sewer System
NPDES – National Pollutant Discharge Elimination System
Ohio EPA – Ohio Environmental Protection Agency
O&M – Operation and Maintenance
ORC – Ohio Revised Code
SWMP – Stormwater Management Program
SWPPP or SWP3 – Stormwater Pollution Prevention Plan
TMACOG – Toledo Metropolitan Area Council of Governments
TMDL – Total Maximum Daily Load
T.S.S. – Total Suspended Solids
WWTP – Waste Water Treatment Plant



Background

Founded in 1816, The City of Perrysburg is a mostly suburban residential community situated along the Maumee River in Northwest Ohio. There are approximately 25,000 residents as of the 2020 Census encompassing approximately 11.5 square miles of land and 137 miles of roadway. This section of Northwest Ohio was previously referred to as “The Great Black Swamp” and is mainly dominated by poorly drained but nutrient rich heavy clay soils and has a strong agricultural history. Because of the existing landscape, extensive tiling was performed to drain areas for human activities. This region still relies heavily on its stormwater drainage system to convey precipitation events in our modern developed urban environment.

Residential and commercial development bring increases in impervious surfaces (roadways, rooftops, etc.) which are unable to absorb rainfall at the same rates as the native natural environment. When stormwater is unable to infiltrate into the ground, it either pools or is conveyed elsewhere by the storm sewer system. The storm sewer system is composed of roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, and storm drains. With increases in impervious surfaces, the rate of water flowing off of our environment increases. This increased runoff can overburden the storm sewer system and can transport harmful pollutants into our waterways.

In an effort to reduce the quantity of flood events and to improve the quality of our water, the City of Perrysburg has created the following Stormwater Management Plan (SWMP).



Regulatory Requirements

The City of Perrysburg is regulated by the Ohio Environmental Protection Agency (Ohio EPA) as a Phase II stormwater community. As the owners of a small Municipal Separate Storm Sewer System (MS4), the City of Perrysburg is responsible to fulfill permit coverage requirements under National Pollutant Discharge Elimination System (NPDES) Permit #OHQ000004. This permit covers urbanized areas within the state of Ohio, as determined by latest Decennial Census by the Bureau of Census. This permit states “It has been determined that a lowering of water quality of various waters of the state associated with granting coverage under this permit is necessary to accommodate important social and economic development in the state of Ohio.”

The City of Perrysburg has been granted general coverage under this permit from Ohio EPA. The most recent permit approval – Permit #2GQ00018*DG, is effective from 5/27/2021 until 3/31/2026. Ohio EPA’s MS4 permit requires owners of storm sewers systems to place certain controls over the water flowing from their stormwater outfalls. Unlike sanitary sewers, the water that flows from a stormwater outfall discharges untreated to waterways. Stormwater can contain a range of pollutants based on the contributing drainage area including hydrocarbons from roadways, or sediments from disturbed land. The Ohio EPA MS4 permit allows these stormwater discharges to occur as long as certain minimum control measures and best management practices are implemented.

The MS4 permit outlines six minimum control measures in order to reduce the pollutants found in stormwater flow. These minimum control measures and subsequent best management practices are intended to assist with meeting pollution control targets referred to as the Total Maximum Daily Load (TMDL) and/or the 2012 Great Lakes Water Quality Agreement Annex 4 for nutrients. This permit only authorizes discharges that are completely composed of stormwater, and does not address The City of Perrysburg Wastewater Treatment Plant (WWTP). The Perrysburg WWTP falls under its own NPDES permit (2PD00002*ND). There are other non-stormwater allowable discharges recommended to be exempted from this permit by Ohio EPA that have been adopted by ordinance as allowable discharges by The City of Perrysburg. They include

“waterline flushing; landscape irrigation; diverted stream flows; rising ground waters; uncontaminated ground water infiltration (infiltration is defined as water other than wastewater that enters a sewer system, including sewer service connections and foundation drains, from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.); uncontaminated pumped ground water; discharges from potable water sources; foundation drains; air conditioning condensate; irrigation water; springs; water from crawl space pumps; footing drains; lawn watering; individual residential car washing; flows from riparian habitats and wetlands; dechlorinated/debrominated/desalinated swimming pool discharges; street wash water with dry cleanup methods and no detergents to minimize pollutants; and discharges or flows from fire-fighting activities (not planned exercises).” NPDES Permit #OHQ000004 Part I.B.3.b.



Minimum Control Measures

The six minimum controls adopted by the City of Perrysburg are

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-construction Stormwater Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

These minimum control measures and the best management practices associated with them are based around the stormwater pollutants they are meant to address. Different watersheds have different TMDL listed pollutants. The City of Perrysburg is within the Maumee River watershed (HUC-8 #04100009), below North Granger Island to Lake Erie (HUC-10 #04100009-090) and for the purpose of this report is broken down further into three HUC-12 watersheds.

HUC-12 #04100009-090-010 - Maumee River below North Granger Island to above Grassy Creek, except Grassy Creek Diversion, including Crooked Creek

HUC-12 #04100009-090-020 – Grassy Creek Diversion Channel

HUC-12 #04100009-090-030 – Grassy Creek

None of the above listed HUC-12 watersheds are completely within the boundaries of the City of Perrysburg. Generally, stormwater in town flows in and out of municipal boundaries on its way to the Maumee River and ultimately Lake Erie. The Maumee River watershed (HUC-12 #04100009-090-010) stretches south from Middleton Township and north to Perrysburg Township bordering the Maumee River. The Grassy Creek Diversion Channel watershed (HUC-12 #04100009-090-020) originates south of the City of Perrysburg in the northern portion of the City of Bowling Green, discharging to the Maumee River in Perrysburg Township, south of Interstate 475. The Grassy Creek watershed (HUC-12 #04100009-090-030) covers portions south and east of City limits, flowing north through Perrysburg township and ultimately discharging into the Maumee River in the City of Rossford. The Grassy Creek watershed originally encompassed the Grassy Creek Diversion Channel watershed as well but the two were separated when I-475 was constructed in the 1970s. Because of the natural flow of water across jurisdictions, regional partnerships are very important and some best management practices listed in this document may take place outside of the City of Perrysburg municipal jurisdiction.



All three of our HUC-12 watersheds contain a portion of the rural, suburban, urban, residential, commercial, and agricultural communities of Northwest Ohio. This provides a vast range of stormwater pollutants to be managed through this stormwater management plan to the maximum extent practicable. Common pollutants include pesticides, fertilizers, and other chemicals from residential lawn and agricultural application; sediment from construction, development, and unstabilized land; bacteria from failing septic systems, combined sewer overflows (CSO), and sanitary cross connections; and trash and debris that have been carelessly discarded or windswept. When these pollutants make their way, untreated, to surface waters via the storm sewer system, they impair recreational and biological uses and can affect drinking water supplies.

As of the latest MS4 permit, the City of Perrysburg has only *Escherichia coli* (E. Coli) as a listed TMDL pollutant by Ohio EPA. E. coli can originate from fecal sources like human or animal waste. Another human activity within our watersheds that could potentially contribute pollutants is construction activities. These are currently regulated under the Ohio EPA Construction General Permit (CGP) #OHC000005. Construction activities can contribute to Total Suspended Solids (T.S.S.) which are carriers of nutrients into our waterways. Although no watersheds within the City of Perrysburg currently have a T.S.S. TMDL, best management practices are in place to conform to the statewide standards outlined in the Ohio EPA CGP.

According to NPDES Permit #OHQ000004 Part III.A.1 :

“You shall develop, implement, and enforce an SWMP designed to reduce the discharge of pollutants from your small MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of Ohio Revised Code (ORC) 6111 and the Clean Water Act. The SWMP should include management practices; control techniques and system, design, and engineering methods; and shall be modified to include provisions as Ohio EPA determines appropriate after its review of the program for the control of such pollutants. Your SWMP shall include the following information for each of the six minimum control measures described in Part III.B of this permit:

- a. The BMPs that you or another entity will or already implements for each of the storm water minimum control measures. Where applicable, BMPs shall be selected to address U.S. EPA approved TMDL recommendations for identified water quality problems associated with MS4 discharges within your small MS4’s watershed(s).*
- b. For each BMP identified, statements indicating whether you believe you have the legal authority to implement said BMP or how you intend to partner with an entity that does.*
- c. The measurable goals for each of the BMPs, including, as appropriate, the months and years in which you will undertake required actions, including interim milestones and the frequency of the action. At a minimum, measurable goals shall be implemented to satisfy this permit’s performance standards; and*
- d. The person or persons, including position title or titles, responsible for implementing or coordinating the BMPs for your SWMP. The SWMP shall include a Table of Organization, including a primary point of contact, which identifies how implementation across multiple positions, agencies and departments will occur.*



e. In addition to the requirements listed above, you shall provide a rationale for how and why you selected each of the BMPs and measurable goals for your SWMP, including how selected BMPs address applicable TMDL recommendations.”

This plan will list each stormwater minimum control and describe how the City of Perrysburg plans to develop, implement, and enforce our SWMP to reduce the discharge of pollutants from our MS4 to the maximum extent practicable. Each section will list what best management practices will be implemented to satisfy the listed minimum control, how we will implement our actions, what timeframe the actions will be taken within, the justification for our selection of that best management practice, and what our legal authority is to conduct that activity. The SWMP is a living document and will be reviewed at minimum on an annual basis, as regulations change, or as activities within the MS4 are altered. As potential impacts to water quality change, this plan will alter its activities to address those impacts. An annual report will be submitted to Ohio EPA on April 1st of each year outlining the activities performed in the previous calendar year and their effectiveness.



Public Education and Outreach on Stormwater Impacts

According to NPDES Permit #OHQ000004 Part III.B.1 :

a. You shall implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

Because of the watershed scale nature of stormwater, education efforts should span across jurisdictional boundaries. Humans and water are both mobile, and all citizens, regardless of geography should be educated on their impacts to water quality. These outreach methods will be varied and on an annual basis will be delivered both virtually and in person. As a mainly residential community, education efforts will be targeted at the general public - both adults and children.

With an E.coli TMDL within our community, education campaigns will be directed toward the reduction of human and animal wastes in our waterways. This can be accomplished via responsible pet waste management, waterfowl management, and illicit discharge elimination awareness. General nutrient reduction will also be a focus accomplished via education on proper yard waste disposal, and fertilizer usage.

Education for the development community is also key to ensuring requirements under other minimum control measures, specifically Construction and Post Construction, are met with an educated set of local engineers, contractors, and developers. Perrysburg is a rapidly developing community and outreach to this demographic is important for reducing the impact of sediment within our watersheds.

BMP #1.1 - TMACOG and Clear Choices Clean Water

The City of Perrysburg partners with many different organizations and jurisdictions to provide educational opportunities, including the Toledo Metropolitan Council of Governments (TMACOG). The partners in TMACOG have created a Stormwater Coalition to provide a regional approach to water quality issues. A memorandum of understanding has been signed by the partner organizations.

In 2017, the Stormwater Coalition partnered with Clear Choices Clean Water (CCCW) to create outreach and education content in Northwest Ohio. The resulting website can be found here. <https://toledolakeerie.clearchoicescleanwater.org/> This campaign focuses on encouraging residents to sign a pledge to make a difference within the following areas -

Plant Natives, Protect Pollinators - "I pledge to protect water and pollinators with native plants."

Use Less Fertilizer - "I pledge to protect water by reducing or eliminating fertilizer use on my lawn."

Pick Up Pet Poo - "I pledge to pick up my pets waste."

Don't Feed Waterfowl - "I pledge to protect water by deterring waterfowl."

Volunteer Service - "I pledge to volunteer to protect our water."

Be a Super Kid - "I pledge to be a Clean Water Superhero."



The CCCW website provides educational information on each campaign topic, tracks the number of pledges and places them on a map to show where pledges have been given. The CCCW website also lists public involvement opportunities for volunteers to become engaged in events. Traffic to the website is driven by posts to social media as well as literature and handouts distributed at education presentations and events. Success of this BMP is dependent on the quantity of pledges, the quantity of handouts distributed, and the reach of the messaging.

BMP #1.2 - Project P.U.P

With a largely residential population, a high density of pet owners, and an E. coli TMDL, The City of Perrysburg has chosen a pet waste education campaign to direct toward pet owners and park visitors. Titled “Project P.U.P” for Project Pick Up Poop, this educational effort provides pet waste bags and refuse receptacles to pet owners to encourage action toward the removal of pet waste from our environment. Pet waste bag stations have been installed and refilled on an as needed basis at all Perrysburg Parks, and leash clip pet waste bags are distributed at education events throughout the year. Success of this BMP is measured by the quantity of bags used, and the visible reduction in pet waste throughout our community.

BMP #1.3 - Community Outreach and Social Media

With an active presence in the community, the City of Perrysburg will maintain access and availability to the following educational opportunities

- A page on the City of Perrysburg website with relevant stormwater education resources regarding all minimum control measures. Linked here - https://www.ci.perrysburg.oh.us/public_utilities/stormwater_management/index.php
- Relevant posts on social media (Facebook, Twitter, etc.) regarding stormwater topics including proper leaf and grass clipping disposal, pet waste management, public education and involvement events, how to identify and report spills, lawn maintenance, salt usage, and other relevant subjects.
- Stormwater literature handouts available at city offices.
- In person or virtual educational presentations from City staff on stormwater and environmental issues tailored to audience needs or requests. Target audience includes both community and school groups.
- Ditch maintenance resources for residents that live along waterways.
- Involvement with the Rain Garden Initiative – to educate and encourage homeowners and businesses to plant natives and install green infrastructure. Linked here - <https://www.raingardeninitiative.org/>

Success of this BMP is measured by the quantity of programs delivered and the size of the group, the number of handouts distributed, and the reach of the social media platforms.



BMP #1.4 - Education to the Development Community

The City of Perrysburg has seen both residential and commercial growth. As an opportunity to prevent issues and educate the responsible parties before work begins, pre-construction meetings are required. Stormwater topics as well as general construction conversations are had and expectations are made clear to all parties on what is required by both the City of Perrysburg and Ohio EPAs CGP.

Education to the development community also includes training and continuing education opportunities for design engineers, developers, and/or contractors. Contractors could include any skilled trade, excavators, landscapers, those that maintain post-construction BMPs, or any other professional working in a stormwater related field. Pollutants that can be addressed by this BMP include sediment, hydrocarbons, and litter. Success of this BMP is measured by the quantity of pre-construction meetings held, and the number of participants in the development community trained.

Responsibility : Within the City of Perrysburg, the Stormwater Program Technician is responsible for the implementation and partnership with other organizations for these outreach programs. The Litter Control Coordinator and the Public Information Officer also share in the presentation of educational information dependent on the format. TMACOG is responsible for the maintenance of the CCCW website and reporting.

Performance Standard : The City of Perrysburg will target at least five stormwater themes or messages through at least one outreach mechanism, and shall reach at least 50% of City residents over a five year period.



Public Involvement/Participation

According to NPDES Permit #OHQ000004 Part III.B.2 :

a. You shall comply with State and local public notice requirements and satisfy this minimum control measure's minimum performance standards when implementing a public involvement/participation program.

Perrysburg is an active community with environmentally involved residents. As stormwater projects are developed, The City of Perrysburg engages its stakeholders and community in the decision making process. Public meetings are held with public comment periods available for review. As this SWMP is updated, it will be shared with the public via the City of Perrysburg website. Public notices are provided to residents for MS4 maintenance activities with a minimum lead time as detailed in our Ditch Maintenance Guidebook -

<https://files4.1.revize.com/perrysburgoh/Services/public%20utilities/Ditch%20Maintenance%20Guidebook.pdf> . All ethnic and economic groups are encouraged to actively participate in the activities of this

SWMP including affected stakeholder groups, commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.

Community members also have the ability to become personally involved with the stormwater program by participating in any of the BMPs listed below.

BMP #2.1 - Litter and Stream Debris Clean Ups and Prevention

Especially in the urban environment, litter is a major pollutant of our community. To involve the public, The City of Perrysburg maintains opportunities for community involvement in removing litter from our City parks and our waterways. The City is a participant in both the Great American Cleanup and Partners for Clean Streams annual Clean Your Streams Day. The City of Perrysburg hosts the regional kick-off for Clean Your Streams Day in early fall, as well as hosting the Great American Cleanup in the spring and early summer each year. Community volunteers are an integral part of this BMP, and share their labor to improve our landscape while also seeing first-hand the effects litter has on our environment. This BMP is a strong tool for change and has encouraged the installation of ashtrays in Downtown Perrysburg to decrease the quantity of cigarette butts found within the MS4. Success of this BMP is measured by the quantity of individuals involved, the amount of litter collected, the number of locations cleaned, and the miles of waterway cleaned.

BMP #2.2 - Rain Barrel Workshops

With the quantity of stormwater runoff directly impacting the amount of stormwater pollution entering our MS4, rainwater harvesting is encouraged in The City of Perrysburg. Through community partnerships, the City has been able to assist homeowners with "Make It, Take It" Rain barrel workshops. These workshops allow participants to learn why rainwater harvesting is important, what its effect is on water quality and quantity, and become directly involved with its improvement. The City also provides guidance to homeowners on other green infrastructure practices and will recommend placement and other technical guidance. Success of this BMP is measured by the quantity of individuals involved, and the quantity of rain barrels distributed or created.



BMP #2.3 - Storm Drain Marking and Adoption

Many residents do not know that the sanitary sewer and storm sewer system are separate and function independently with stormwater not receiving treatment before discharging into our waterways. All newly installed catch basins are required to have the casting marked with a fish and the slogan “Dump No Waste, Drains To Waterways” in an effort to educate the public. In older areas of town where these catch basins are not labeled, groups are able to volunteer to mark them. These volunteers also perform debris removal from the catch basin and distribute literature to the neighboring properties providing public notification and education. The City also has an “Adopt a Storm Drain” program where homeowners can commit to keep a neighboring storm drain free of debris and to alert the City if the drain is in need of maintenance. This BMP can help keep pollutants such as hydrocarbons, fertilizers, herbicides, pesticides, yard waste, pet waste, and litter out of the MS4. Success of this BMP is measured by the quantity of individuals involved, the amount of storm drains marked, and the quantity of literature distributed.

Responsibility : Within the City of Perrysburg, the Stormwater Program Technician is responsible for the implementation and partnership with other organizations for these public involvement programs. The Litter Control Coordinator and the Public Information Officer also share in the presentation of educational information and programming and the advertisement of public involvement opportunities. Partners for Clean Streams is responsible for the record keeping and reporting for Clean Your Streams programs.

Performance Standard : The City of Perrysburg will provide at least five public involvement activities over a five year period.



Illicit Discharge Detection and Elimination

According to NPDES Permit #OHQ000004 Part III.B.3 :

a. You shall develop, implement and enforce a program to detect and eliminate illicit discharges, as defined in Part VI of this permit, into your small MS4. For illicit discharges to your small MS4 via an adjacent, outside of your jurisdiction, interconnected MS4, you are only required to immediately inform the neighboring MS4 and inform Ohio EPA in your annual report;

b. You shall develop, if not already completed, a comprehensive storm sewer system map, showing the location of all outfalls and the names and location of all surface waters of the state that receive discharges from those outfalls. Your comprehensive storm sewer system map shall also include your small MS4 system (owned and/or operated by you), including catch basins, pipes, ditches, flood control facilities (retention/detention ponds), postconstruction water quality BMPs (public and private) which have been installed to satisfy Ohio EPA's NPDES Construction Stormwater general permit and/or your local post-construction water quality BMP requirements. Post-construction BMPs shall be identified by type of practice (e.g., wet extended detection basin, bioretention, etc.). Previously existing postconstruction BMPs shall be identified by type of practice within five (5) years of the effective date of this permit;

c. Within five years of when your initial small MS4 general permit coverage was granted, you shall submit the following to Ohio EPA:

i. A list of all on-site sewage disposal systems located within your jurisdiction and are connected or discharging to your small MS4 (a.k.a., home sewage treatment systems (HSTs)) including the addresses; and

ii. A storm sewer map showing the location of all HSTs located within your jurisdiction and are connected or discharging to your small MS4. This map shall include details on the type and size of conduits/ditches in your small MS4 that receive discharges from HSTs, as well as the water bodies receiving the discharges from your small MS4.

d. You shall to the extent allowable under State or local law, effectively prohibit, through ordinance, or other regulatory mechanism, illicit discharges into your storm sewer system and implement appropriate enforcement procedures and actions;

e. You shall develop and implement a program to detect and eliminate non-storm water discharges, including illegal dumping, to your system. At a minimum, for household sewage treatment systems (HSTs), your program shall address or include provisions for:

i. Working with the appropriate Board(s) of County Commissioners, other public officials, local waste water authorities, any other appropriate entity and local board(s) of health to proactively identify residences with existing individual discharging HSTs that can be legally, feasibly and economically connected to central sewers. At a minimum, the program shall evaluate applying provisions identified by ORC 6117.51 and other applicable State and local laws and/or regulations. At a minimum, this activity should require connection to central sewers for any discharging HSTs that is not operating as designed



and intended if feasible, but it does not preclude connection to central sewers of any HSTS if local planning and coordination recommends such;

ii. Working with local board(s) of health to develop a proactive operation and maintenance program or implement/enhance an existing operation and maintenance program which determines if existing discharging HSTSs are operating as designed and intended and, for those not meeting these criteria, requires elimination, upgrade or replacement of the systems as appropriate;

iii. Actively investigating the source(s) of contamination in outfalls identified during dry weather screening process. When the contamination source has been identified as discharging HSTS that is not operating as designed and intended, work with the local board(s) of health to determine proper course of action in resolving the non-functioning HSTS with connection to central sewers being preferred alternative, followed by replacing system with a soil absorption system that does not discharge and only allowing a replacement discharging HSTS when no other option is available. For replacement discharging HSTSs that cannot be eliminated through connection to central sewers or installation of soil absorption systems, the property owner must be notified of the requirement to pursue coverage under an appropriate Ohio EPA general NPDES permit; and

iv. Working with local waste water authorities, planning agencies or other appropriate agencies involved to evaluate the planned or possible future installation of sewers for areas which contain high densities of discharging HSTSs.

f. You shall inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste;

g. You shall address the following categories of non-storm water discharges or flows (i.e., illicit discharges) only if you or Ohio EPA has identified them as significant contributors of pollutants to your small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated/debrominated/desalinated swimming pool discharges, street wash water, and discharges or flows from non-planned fire-fighting activities (by definition, not an illicit discharge); and

h. You may also develop a list of other similar occasional incidental non-storm water discharges (e.g., non-commercial or charity car washes, etc.) that will not be addressed as illicit discharges. These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the small MS4, because of either the nature of the discharges or conditions you have established for allowing these discharges to your small MS4 (e.g., a charity car wash with appropriate controls on frequency, proximity to sensitive water bodies, BMPs on the wash water, etc.). You must document in your SWMP any local controls or conditions placed on the discharges. You must include a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to your small MS4.



BMP #3.1 - Illicit Discharge Regulatory Mechanism

To prevent illicit discharges to our MS4, Perrysburg developed Chapter 1056 of our Codified Ordinances titled “Illicit Discharge and Illegal Connection Control”. It can be found here - https://codelibrary.amlegal.com/codes/perrysburg/latest/perrysburg_oh/0-0-0-27353#JD_1056 and also via the City of Perrysburg website. Chapter 1056 was passed via ordinance 79-2009 on 4/7/09. The objectives of this regulation are to prohibit illicit discharges and illegal connections to the MS4 and to establish legal authority to carry out inspections, monitoring procedures, and enforcement actions necessary to ensure compliance with regulations.

BMP #3.2 - Storm Sewer System Map

The City of Perrysburg has developed a comprehensive storm sewer map. This map is in an electronic Geographic Information System (GIS) format and was developed based on original drawings of the storm sewer system, record drawings, and in person field verification. Publicly owned stormwater outfalls are numerically named by which HUC-12 watershed they drain. This map is updated frequently as corrections are required, or new structures are installed. This map is maintained by Public Utilities and IT staff.

BMP #3.3 - Dry Weather Outfall Screening

In order to detect and address illicit discharges to our MS4, inspections of stormwater outfalls will be conducted. For best results, screening of stormwater outfalls will be conducted during dry weather (a 72-hour period of no precipitation), to identify potential non-stormwater discharges. If flow is identified from a stormwater outfall during dry weather, the source of the flow will need to be determined. It is possible the flow could be originating from a clean water source including footer drains, irrigation, a water main break, or high ground water levels. It is also possible the flow could be originating from a cross connection or illegal dumping. Testing may be necessary to determine the flow source. Tests to determining the source could include pH, e.Coli, fecal coliform, flouride, chlorine, or other parameters as necessary. Source tracking of the flow by following the discharge upstream is highly recommended and may lead directly to the source. The outfalls discharging stormwater from our MS4 area will be inspected at least once in a five-year period, with the City divided into regions by HUC-12 watershed.

BMP #3.4 - IDDE Plan and Notification

In regards to the detection of illicit discharges found to be entering our MS4, the City of Perrysburg will notify Ohio EPA for illicit sanitary cross connections from industrial, commercial or multi-family sources and leaking or broken sanitary sewer lines that are actively contributing sewage to our MS4. This notification shall include the location, general description, date, and approximate time the illicit discharge was discovered. Such notification shall be made to the appropriate Ohio EPA district office within twenty-four (24) hours of discovery of the source. In Perrysburg we report to the Northwest District Office: nwdo24hournpdes@epa.ohio.gov .



BMP #3.5 - Spill Response Procedures

Discharges from illegal dumping and spills will also be investigated. Citizens and city employees are instructed to contact the Stormwater Program Technician directly or via the Perrysburg Police Non-Emergency number at 419-872-8001. Based on the emergency response requirements, the Stormwater Program Technician may contact the Ohio EPA Emergency Response hotline if a spill is over 25 gallons or is producing a visible sheen on a navigable waterway. The Perrysburg Police and Fire Departments have been directed to contact the Stormwater Program Technician if they respond to an emergency fitting this description or an incident that has potential to impact the MS4. City employees receive spill procedure training through the Pollution Prevention Good Housekeeping minimum control. Citizens receive education on how to identify and report a spill through the Public Outreach and Education minimum control.

BMP #3.6 - HSTS

In regards to Home Sewage Treatment Systems (HSTS), there are very few functional systems within our MS4, and if a system is found it is added to a list maintained by the Department of Public Utilities and the Wood County Health Department. Connection to the sanitary sewer, where available, is a requirement for all properties within the City. Occasionally septic tanks have been found in the historic portion of town (located within the Boundary Streets). Originally, the Perrysburg WWTP only accepted liquids and no solids, and homes were required to have their own septic tanks on site to capture these solids. When installed, these septic tanks were still in line with and discharging to the sanitary sewer system. Today, when they are discovered, they have rarely been cross connected to the storm sewer. These instances are rare, but not impossible, so all historic septic tanks are required to be crushed and the sanitary line properly run from the home to the sanitary sewer with inspection oversight by the Department of Public Utilities.

Because of its older infrastructure, the historic portion of town is a priority area for this minimum control, with outfalls discharging either directly to the Maumee River, or Grassy Creek. Newer developments are located in the southwest portion of the City and are generally in the Grassy Creek Diversion Channel watershed. With this area being formerly agricultural and rapidly transitioning to residential subdivisions, new sanitary sewers are becoming available to older homes that may have originally been outside of City limits. When and if a HSTS is discovered during dry weather screenings or from a resident complaint, the address is sent to the Wood County Health Department for investigation and elimination when possible. If illegal dumping or a spill is the source of a dry weather flow, the source must be addressed immediately. This is regulated by Chapter 1056 of the Perrysburg Codified Ordinance which details enforcement actions.

Responsibility : Within the City of Perrysburg, the Stormwater Program Technician is responsible for inspection of stormwater outfalls. The Department of Public Utilities is responsible for the further investigation of an illicit discharge or repair to the MS4, sanitary sewer, or drinking water system. The Perrysburg Police and Fire Departments generally receive and field complaints and forward them to the Stormwater Program Technician for follow up. The Wood County Health Department is responsible for the inspection and enforcement of Home Sewage Treatment Systems.



Performance Standard : The City of Perrysburg will update and maintain our stormwater GIS map, inspect all stormwater outfalls within a five-year period and record the information collected, eliminate illicit discharges where practicable, and report illicit discharges when appropriate. Data collected each year will be evaluated and priorities and goals will be revised based on this evaluation. With the E. coli TMDL identified in our MS4, annual employee training will include illicit discharge detection and elimination topics.

Construction Site Stormwater Runoff Control

According to NPDES Permit #OHQ000004 Part III.B.4 :

a. You shall develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of pollutants in storm water discharges from construction activity disturbing less than one acre shall be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. If Ohio EPA waives requirements for storm water discharges associated with small construction from a specific site(s), you are not required to enforce your program to reduce pollutant discharges from such site(s). Your program shall include the development and implementation of, at a minimum:

i. An ordinance or other regulatory mechanism to require erosion and sediment controls, and non-sediment pollutant controls, as well as sanctions to ensure compliance, to the extent allowable under State or local law;

ii. Requirements for construction site operators to implement appropriate erosion and sediment controls;

iii. Requirements for construction site operators to control waste such as, but not limited to, discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause potential water quality impacts;

iv. Procedures for storm water pollution prevention plan review which incorporate consideration of potential water quality impacts;

v. Procedures for receipt and consideration of information submitted by the public; and

vi. Procedures for site inspection and enforcement of control measures.

BMP #4.1 - Construction Regulatory Mechanism

The City of Perrysburg has developed, implemented, and enforces a program to reduce pollutants in any storm water runoff to our MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of pollutants in storm water discharges from construction activity disturbing less than one acre is included in our program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.



To reduce erosion and manage sediment entering our MS4, Perrysburg developed Chapter 1057 of our Codified Ordinances titled “Erosion and Sediment Control Standards for Construction Site Stormwater Control and Post-Construction Stormwater Management for New Development and Redevelopment”. It can be found here - https://codelibrary.amlegal.com/codes/perrysburg/latest/perrysburg_oh/0-0-0-34528 and also via the City of Perrysburg website. Chapter 1057 was passed via ordinance 59-2017 on 6/6/2017. This ordinance references the most recent version of Ohio EPAs Construction General Permit to reduce the quantity of revisions necessary to the municipal code while still keeping the code up to date with today's regulations. Chapter 1057 was originally adopted in 2012 and has been updated as necessary.

BMP #4.2 - Sediment and Erosion Control Requirements

The objectives of Chapter 1057 are to require erosion and sediment controls and non-sediment pollutant controls, as well as sanctions to ensure compliance. This ordinance requires construction site operators to implement appropriate erosion and sediment controls, including controlling wastes. Pollutant sources may include concrete truck washouts, chemicals, litter, sanitary waste, and discarded building materials. The City of Perrysburg construction program uses the Ohio EPA Construction General Permit OCH000005 and the Rainwater and Land Development Manual as standards.

BMP #4.3 - Complaint Process

The general public is encouraged to participate in this minimum control and are encouraged to contact the City of Perrysburg with any construction related questions or complaints. All questions or complaints are followed up and may involve site visits to determine the scope of the issue or the solution. Whenever possible, the source of the complaint is contacted with follow up information after an investigation or site inspection is performed.

BMP #4.4 - Site Plan Review Procedures

When construction projects are in the design phase, site plans are reviewed by City of Perrysburg staff from the Department of Public Utilities, the Engineering Division, Planning and Zoning, Department of Public Service, and the Fire Division. When construction projects meet the definition of requiring permit coverage under the Construction General Permit, a Stormwater Pollution Prevention Plan (SWPPP) as well as drainage calculations and full set drawings are required to be submitted to the City for review. These reviews are completed by Public Utilities and Engineering Division staff. The Ohio EPA SWPPP Review Checklist <https://epa.ohio.gov/divisions-and-offices/surface-water/guides-manuals/storm-water-pollution-prevention-plan-swp3-checklist-oh000005-> is used as a review tool and is required to be submitted by the engineer. Regional standardized plan submission forms have also been created through the TMACOG Stormwater Coalition and are required to be submitted by the engineer. Construction plans are reviewed for the applicability to the Ohio EPA CGP, and all other sites are reviewed on a stormwater quantity basis. Stormwater quantity controls are required for sites increasing their impervious surface. For water quantity, the City of Perrysburg has adopted the Wood County Subdivision and Site Improvement Manual as a standard. Before construction projects begin, a pre-construction meeting is held as outlined in BMP #1.4. Developers should not file a Notice of Intent for coverage under the Ohio EPA CGP without first obtaining SWPPP approval from the City of Perrysburg.



BMP #4.5 - Site Inspection Procedures

All sites that fall under the requirements of Chapter 1057 of The Perrysburg Municipal Code or the Ohio EPA Construction General Permit will require inspection. The CGP currently requires stormwater inspections to occur once every 7 calendar days and after any storm event greater than one-half inch of rain per 24-hour period by the end of the next calendar day, excluding weekends and holidays unless work is scheduled. The City of Perrysburg requires a private site inspector, hired by the developer, to hold a City approved stormwater certification to avoid unqualified personnel from conducting these inspections. The City of Perrysburg conducts independent inspection of construction projects on a monthly basis and will reinspect as issues are noted. The City utilizes inspection software to record and document site inspections and to send work items to the responsible party if any are found during the course of the site inspection. Sites with outstanding or recurring issues will be prioritized for inspection.

BMP #4.6 - Enforcement Procedures

Within the site inspection software, items requiring attention are categorized as either corrective actions, or maintenance actions. A maintenance action is general housekeeping of cleaning or repairing stormwater best management practices that are already in place. A corrective action could involve an item that was either never installed, a prohibited discharge, or a maintenance action that has persisted for too long. Once these issues are recorded, the system sends work items to the responsible party and requires them to mark the items as completed with an attached photo. If the item is not remediated, the software will remind the responsible party every 3 days that they have open work items. The CGP states *“If the inspection reveals that a control practice is in need of repair or maintenance, with the exception of a sediment settling pond, it shall be repaired or maintained within 3 days of the inspection. Sediment settling ponds shall be repaired or maintained within 10 days of the inspection. If the inspection reveals that a control practice fails to perform its intended function and that another, more appropriate control practice is required, the SWP3 shall be amended and the new control practice shall be installed within 10 days of the inspection. If the inspection reveals that a control practice has not been implemented in accordance with the schedule contained in Part III.G.1.h of this permit, the control practice shall be implemented within 10 days from the date of the inspection. If the inspection reveals that the planned control practice is not needed, the record shall contain a statement of explanation as to why the control practice is not needed.”*

The City of Perrysburg has the municipal authority to issue Notice of Violation letters, Stop Work Orders, and monetary fines. Per Perrysburg Municipal Code Chapter 1057.16(b) *“Upon notice, the Mayor and/or Public Utilities Director may suspend any active soil disturbing activity for a period not to exceed ninety (90) days, and may require immediate erosion and sediment control measures be implemented whenever he or she determines that such activity is not meeting the intent of this regulation. Such notice shall be in writing, shall be given to the Site Owner, and shall state the conditions under which work may be resumed. In instances, however, where the Mayor and/or designee finds that immediate action is necessary for public safety or the public interest, he or she may require that work be stopped upon verbal order pending issuance of the written notice.”* Per Chapter 1057.99(a) *“Any person, firm, entity or corporation; including but not limited to, the Owner of the property, agents and assigns, occupant, property manager, and any contractor or subcontractor who violates or fails to comply with*



any provision of this regulation is guilty of a misdemeanor of the third degree and shall be fined no more than five hundred dollars (\$500.00) or imprisoned for no more than sixty (60) days, or both, for each offense. A separate offense shall be deemed committed each day during or on which a violation or noncompliance occurs or continues.”.

Responsibility : Within the City of Perrysburg, the Stormwater Program Technician is responsible for regulatory oversight inspections of construction projects. These inspections are in addition to the self-inspections required of construction site operators under the CGP. The Department of Public Utilities and the Engineering Division are responsible for the review of stormwater plan submittals. Any applicable sites beginning construction without SWPPP approval or CGP coverage will receive an immediate Stop Work Order from The City of Perrysburg.

Performance Standard : The City of Perrysburg will perform a pre-construction review of all projects from construction activities that result in a land disturbance of greater than or equal to one acre and from construction activities which are part of a larger common plan of development or sale that will disturb one acre or more. An objective tool (checklist) will be used to document each SWP3 review. Documentation of any communications regarding review and plan revisions and any notification to obtain NPDES permit coverage shall be maintained. All applicable sites shall have an initial inspection. Follow-up inspections shall be on a monthly basis (at least every 31 calendar days). An objective tool (software) will be used to document each site inspection to ensure all conditions of OHC000005 are addressed. Perrysburg Municipal Code 1057 will at a minimum, be equivalent with the technical requirements set forth in the Ohio EPA NPDES General Storm Water Permit for Construction Activities (OHC000005).



Post-construction Stormwater Management in New Development and Redevelopment

According to NPDES Permit #OHQ000004 Part III.B.5 :

- a. You shall develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into your small MS4. Your program shall ensure that controls are in place that will prevent or minimize potential water quality impacts;*
- b. You shall develop and implement strategies which include a combination of structural and/or non-structural post-construction runoff controls appropriate for your community;*
- c. You shall use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State or local law; and*
- d. You shall ensure adequate long-term operation and maintenance of post-construction runoff controls, including provisions for when property changes ownership.*

BMP #5.1 - Post-construction Regulatory Mechanism

The City of Perrysburg has developed, implemented, and enforces a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into our small MS4. This program ensures that controls are in place that will prevent or minimize potential water quality impacts. Strategies have been developed and implemented that include a combination of structural and non-structural post-construction runoff controls appropriate for our community.

To reduce the effects of increased stormwater runoff from development on our MS4, Perrysburg developed Chapter 1057 titled "Erosion and Sediment Control Standards for Construction Site Stormwater Control and Post-Construction Stormwater Management for New Development and Redevelopment". It can be found here - https://codelibrary.amlegal.com/codes/perrysburg/latest/perrysburg_oh/0-0-0-34528 . The long term viability of post-construction maintenance structures once installed is addressed under Chapter 1057.11 titled "Post-Construction Stormwater Best Management Practices, Operation and Maintenance".

According to Perrysburg Municipal Code Chapter 1057.11 :

- a. Operation and Maintenance Plan: If the SWP3 includes structural post-construction BMPs, the developer/property owner shall prepare an Operation and Maintenance Plan meeting the minimum requirements of the latest version of the Ohio EPA NPDES Construction General Permit for redevelopment and new development projects wherein construction activities will result in the disturbance of one or more acres.*



b. The Operation and Maintenance Plan shall be submitted by the developer/property owner to the City for review and approval prior to the City issuing the building permit.

c. The Operation and Maintenance Plan must be a stand-alone document which includes the following:

- 1. The name of the entity responsible for providing the Best Management Practices (BMP(s) inspection and maintenance.*
- 2. A table listing the routine and non-routine maintenance tasks to be undertaken.*
- 3. The schedule for inspection and maintenance tasks.*
- 4. Any necessary legally binding maintenance easements and agreements required to properly inspect and maintain the BMP(s).*
- 5. A map showing the location of the BMP(s) on the City approved SWP3 and all access and maintenance easements.*
- 6. Detailed BMP drawings and inspection and maintenance procedures.*
- 7. An assurance from the developer/property owner that the collected pollutants from structural post-construction practices will be disposed of in accordance with local, state and federal regulations.*

d. Inspection and Maintenance Agreement. An Inspection and Maintenance Agreement shall be made between the Owner and the City, using a format acceptable to the City, ensuring that the BMP(s) shall be properly inspected and maintained. The agreement shall include a waiver of liability and a release excepting the City of Perrysburg from all damages, accidents, casualties, occurrences, or claims that might arise or be asserted against the City of Perrysburg from the construction, presence, existence, or maintenance of the post-construction Best Management Practices. Once the Inspection and Maintenance Agreement is signed, it shall be appended to the Operation and Maintenance Plan.

e. Inspection. Personnel identified within the Operation and Maintenance Plan shall inspect the BMP(s) to ensure proper functionality and determine if maintenance is necessary.

- 1. At a minimum, inspections are to be conducted annually, or more frequently as specified within the Operation and Maintenance Plan.*
- 2. Written inspection reports summarizing the BMP(s) inspection observations and maintenance requirements are to be submitted to the City within thirty days after each inspection.*

f. Maintenance. All BMPs are to be maintained according to the measures outlined within the Operation and Maintenance Plan.

- 1. The Owner shall make necessary repairs within thirty days of their discovery as identified within the inspection reports or through a request from the City resulting from inspections conducted by the City.*
- 2. Completed maintenance activities shall be documented on a written report submitted to the City.*



3. In addition to any applicable provisions of Sections 1057.11,1057.16 and 1057.99, the Owner shall grant permission to the City to enter the property and inspect the BMP(s) whenever the City deems necessary. In any default or failure by the Owner to properly maintain the BMP(s), or should an emergency occur, the City, in its sole discretion, after providing reasonable notice to the Owner, may enter the property and take whatever steps necessary to correct deficiencies and charge the cost of such repairs to the Owner. Nothing herein shall obligate the City to maintain the BMP(s).

g. The applicant must provide an Inspection and Maintenance Agreement as part of the Storm Water Pollution Prevention Plan submittal. A recorded copy of the Agreement must be submitted before deposit for erosion control is released by the City.

BMP #5.2 - Post-construction Requirements

The City of Perrysburg requires post-construction water quality structures to be installed for sites disturbing over 1 acre or part of a greater common plan on development, and post-construction water quantity structures to be installed for sites increasing impervious surface. Chapter 1057 addresses post-construction runoff from new development and redevelopment projects and ensures adequate long-term operation and maintenance of post-construction runoff controls, including provisions for when property changes ownership. Although construction does occur across all three watersheds, most new residential subdivision development is focused in the Grassy Creek Diversion Channel watershed. With new homes being installed, wet extended detention is a commonly installed post-construction practice. These “wet ponds” can increase lot desirability and provide waterfront aesthetics. With new subdivisions being built on what were once agricultural fields, post-construction practices can dramatically improve the water quality flowing off site in comparison to pre-development conditions. With subdivision development farm tiles are removed and with fewer centralized discharge points, it becomes easier to monitor the stormwater flow from of the development.

BMP #5.3 - Site Plan Review Procedures

Post-construction runoff controls are determined by the developer of the site or their design engineer, but The City of Perrysburg does encourage higher performing structures like wet extended detention and green infrastructure practices where applicable. Reviews of all SWPPPs including post construction are reviewed by both the Department of Public Utilities and the Engineering Division. A narrative as to how the control was chosen included in the narrative of the SWPPP is a best practice. The City of Perrysburg has both structural and non-structural post-construction runoff controls installed throughout its MS4 and recommended in its documentation. Both are strongly encouraged techniques.

Structural practices include green infrastructure stormwater management techniques, storage practices such as wet ponds and extended-detention outlet structures; filtration practices such as grassed swales, bioretention cells, sand filters and filter strips; and infiltration practices such as infiltration basins and infiltration trenches. Non-structural practices include green infrastructure stormwater management techniques, policies and ordinances that provide requirements and standards to direct growth to identified areas, protect sensitive areas such as wetlands and riparian areas, maintain and/or increase open space (including a dedicated funding source for open space acquisition), provide buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; policies or ordinances that encourage infill development in higher density urban areas, and areas with



existing storm sewer infrastructure; education programs for developers and the public about project designs that minimize potential water quality impacts; and other measures such as minimization of the percentage of impervious area after development, use of measures to minimize directly connected impervious areas, and source control measures often thought of as good housekeeping, preventive maintenance and spill prevention.

BMP #5.4 - Site Inspection Procedures

Post-construction stormwater management practices will be mapped on the City of Perrysburg GIS stormwater map. Applicable sites will be inspected to ensure that controls are installed per requirements. An objective tool (software) will be used to document each site inspection to ensure all conditions of OHC000005 are addressed. These inspections ensure that private and public post-construction runoff controls are being maintained per existing long-term O&M plans, agreements and local ordinances. At minimum, these post-construction practices will be inspected once over a five-year period and after construction is complete.

BMP #5.5 - Long Term Maintenance Agreements

Long term maintenance agreements are required to be submitted to The City of Perrysburg per Perrysburg Municipal Code Chapter 1057.11 listed under BMP #5.1. These agreements became required for all sites after 2017 for new water quality and water quantity BMPs. Post Construction Maintenance Agreements ensure the long-term operation and maintenance (O&M) of any implemented or installed post-construction runoff controls. The City of Perrysburg will maintain a copy of the long-term O&M plans and agreements provided during construction and document long-term O&M inspections.

Responsibility : Within the City of Perrysburg, the Stormwater Program Technician is responsible for regulatory oversight inspections of post-construction practices. The Department of Public Utilities and the Engineering Division are responsible for the review of stormwater plan submittals.

Performance Standard : The City of Perrysburg will update and maintain our stormwater post-construction practices GIS map, inspect all stormwater post construction practices within a five-year period and record the information collected. Perrysburg Municipal Code 1057 will at a minimum be equivalent with the technical requirements set forth in OHC000005. Notification and approval of modifications to post-construction storm water runoff controls that occur after initial SWPPP approvals is required. The City of Perrysburg will perform a pre-construction SWPPP review and approval of all projects from construction activities that result in a land disturbance of greater than or equal to one acre, and from construction activities which are part of a larger common plan of development or sale that will disturb one acre or more, to ensure that required post-construction controls are designed per requirements. An objective tool (checklist) will be used to document each SWP3 review. Documentation of any communications regarding review and plan revisions will be maintained. Applicable sites will be inspected to ensure that controls are installed per requirements. An objective tool (software) will be used to document each site inspection to ensure all conditions of OHC000005 are addressed. The City of Perrysburg will ensure that long-term O&M plans are developed and agreements are in place for all applicable sites, including after changes of ownership.



Pollution Prevention/Good Housekeeping for Municipal Operations

According to NPDES Permit #OHQ000004 Part III.B.6 :

- a. You shall develop and implement an O&M program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations;*
- b. Using training materials that are available from Ohio EPA or other organizations, your program shall include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance; and*
- c. You shall include a list of industrial facilities you own or operate that are subject to Ohio EPA's NPDES Industrial Storm Water General Permit (OHR000006) or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to your small MS4. Include the Ohio permit number or a copy of the Industrial NOI for each facility. For your municipal facilities that conduct activities described in 40 CFR 122.26(b)(14) that are not required to obtain Industrial Storm Water General Permit coverage, including vehicle maintenance facilities, bus terminals, composting facilities, impoundment lots and waste transfer stations, a Storm Water Pollution Prevention Plan (SWPPP) shall be developed and implemented in accordance with the SWP3 requirements of OHR000006.*

BMP #6.1 - Municipal Facilities Subject to Program

The City of Perrysburg does not own or operate any facilities subject to Ohio EPA's NPDES Industrial Storm Water General Permit (OHR000006). The City of Perrysburg WWTP functions under NPDES Permit #2PD00002*ND. All water that falls on the WWTP property is collected and sent to the head of the plant for treatment. There are two municipal facilities within the MS4 that have been identified as having a potential impact to stormwater based on their operation. Those facilities are

1. The Department of Public Service - 11980 Roachton Rd., Perrysburg, OH 43551
2. The Department of Public Utilities – 211 E. Boundary, Perrysburg, OH 43551

The Department of Public Service conducts refuse and recycling collection operations, parks, forestry, and open space maintenance, road maintenance, fleet maintenance, and snow removal operations. A separate SWPPP has been created for this facility. Activities are performed indoors, materials (including salt) are stored under cover, and this facility contains a wash bay to eliminate the need for vehicles to be washed outside. There are minimal storm drains on the property and sheet flow is directed to a swale surrounding the property which runs to a post-construction maintenance pond at the rear of the property before discharging into Kohl ditch. This property is within the Grassy Creek watershed.

The Department of Public Utilities conducts maintenance of the storm and sanitary sewer systems, and the water distribution system. A separate SWPPP has been created for this facility. Activities are performed indoors, and materials are stored under cover. The storm drains on this property flow to the Maumee River. Both of these facilities are receiving an annual inspection, and both wet and dry weather inspections throughout the year to identify any potential stormwater issues.



BMP #6.2 - Maintenance Activities

Municipal activities can have a major impact on the quality of our water. Because roadways with storm drainage are a part of our MS4, street sweeping and leaf/brush collection practices can directly impact the amount of nutrients that enter the storm sewer system. Street sweeping is performed on a regular basis from early spring until late fall. Sweeping is especially effective in the spring to remove pollutants that may have accumulated over the winter, and in the fall after leaf collection. All materials collected from street sweeping operations are landfilled.

Being located in a cold winter environment, salting is a necessary safety measure for The City of Perrysburg. Salt is stored appropriately under cover, and the City has incorporated pre-treatment of roadways via brine application. The Department of Public Service owns and operates its own brine generation operation and the incorporation of brine has aided in the reduction of rock salt usage over time. Reduced chloride content ice melt product is used on municipal sidewalks.

Fertilization and herbicides are used within the city for landscaping operations. Non-phosphorus fertilizer is used. The grass is fertilized to ensure a safe playing surface for soccer fields and other recreational usage. Fertilizer is applied by an outside licensed company. Pesticides are used for control of mosquitos and emerald ash borer by licensed municipal employees. Pesticide sprayers have flow controls and machines are calibrated every year before use.

The Department of Public Utilities is responsible for the maintenance of the storm sewer system and perform catch basin cleaning, complete repairs to damaged structures, and remove debris from waterways as necessary. All spoils, accumulated sediments, and floatables are either landfilled or taken to the WWTP for treatment. New flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of additional water quality protection devices or practices where applicable.

Ditch maintenance is performed by both municipal employees and contractors. All ditch maintenance must conform to the Ditch Maintenance Guidebook referenced under the Public Education and Involvement minimum control. For areas of soil disturbance associated with ditch/MS4 maintenance caused by the small MS4, soil stabilization shall, at a minimum, be initiated in accordance with the time frames specified in the following table:

Ditch/MS4 Maintenance Areas	Time Frame to Initiate Soil Stabilization
Not within 50 feet of a surface water of the State	Within 7 days of reaching final grade or within the first 7 days if a disturbed area will remain inactive for over 14 days.
Within 50 feet of a surface water of the State	Within 2 days of reaching final grade or within 2 days if the area is to remain inactive for over 14 days.



BMP #6.3 - Employee Training

The City of Perrysburg has developed and implemented a training program with the ultimate goal of preventing or reducing pollutant runoff from municipal operations. This training covers topics including park and open space maintenance, fleet and building maintenance, new construction and land disturbances, stormwater system maintenance, proper salting operations, herbicide and pesticide applications, and how to identify, safely handle, and report spills and illicit discharges. In-person training as well as video recordings have been presented to municipal employees on these topics. This training is conducted on an annual basis.

Responsibility : Within the City of Perrysburg, the Stormwater Program Technician is responsible for training municipal employees. The Department of Public Utilities is responsible for the maintenance of the MS4, and the Department of Public Service is responsible for street sweeping, recycling, and yard waste collection.

Performance Standard : The City of Perrysburg will update and maintain the SWPPPs created for both the Department of Public Utilities and the Department of Public Service. Annual training for employees will be conducted regarding topics specific to their municipal activities. A street sweeping program will be maintained, as well as a yard waste collection program. Catch basins cleaning will be performed, as well as regular maintenance on the MS4. Soil disturbances will be kept to a minimum but will be stabilized within the above listed time frames. Maintenance activities will be performed in a manner as to reduce the potential for stormwater runoff and pollution.



Organization Chart

Director of Public Utilities - Alice Godsey, and Stormwater Program Technician - Lauren Rush, are responsible for overall management and implementation of the SWMP.

Supporting departments/divisions/offices include:

TMACOG Stormwater Coalition: portions of MCM#1, MCM#2

City of Perrysburg - Public Information Officer – Marie Dunn: portions of MCM#1, MCM#2

Department of Public Service Office of Litter Prevention and Recycling – Program Coordinator - Judy Hagen: portions of MCM#1, MCM#2

Department of Public Utilities Bureau of Water Distribution and Sewer Collection – Deputy Director - Matt Choma: portions of MCM#3, MCM#4, MCM#5, MCM#6

Department of Public Service Division of Engineering – City Engineer - Brian Thomas: portions of MCM#4, MCM#5

Department of Public Service Division of Streets and Building Services – Deputy Director - Ron Isaacson: portions of MCM#6

Department of Public Service Division of Lands and Sanitation – Superintendent - Greg Kuhr: portions of MCM#6