



Stormwater Management Program Plan 2021 -2025

Prepared by
The City of Obetz and
Franklin Soil and Water Conservation District

Last Revised: 2022

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DEFINITIONS

Best Management Practice (BMP): The most effective, practical methods for the prevention or reduction of pollution from non-point sources (e.g. urban pollutant runoff). Stormwater best management practices include structural or non-structural methods designed to temporarily treat or store stormwater runoff to reduce pollution and mitigate flooding.

Home Sewage Treatment System (HSTS): As defined in the Ohio Administrative Code, Chapter 3701-29, a HSTS is any onsite sewage disposal or treatment system for a single-family, two-family, or three-family dwelling that serves as a collection point for sewage.

Hydrologic Unit Code (HUC): A two to twelve-digit code in the hydrologic unit system that is used to identify all the drainage basins within the United States. The HUC is based on the four levels of classification in the hydrologic unit system: regions (largest), sub-regions, accounting units, and cataloging units (smallest).

Illicit Discharge Detection and Elimination (IDDE): One of the six minimum control measures that is required to be included in the stormwater management program of an operator of a Phase II regulated small municipal separate storm sewer system in order to obtain its National Pollutant Discharge Elimination System permit.

Maximum Extent Practicable (MEP): Although not directly defined by U.S. EPA, this term refers requiring compliance with regulation requirements to the maximum ability of the permittee.

Minimum Control Measure (MCM): One of six technical areas in a stormwater management program (SWMP) of the NPDES Phase II regulations.

Municipal Separate Storm Sewer System (MS4): A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

National Pollutant Discharge Elimination System (NPDES): Federally mandated permit system established by Section 402 of the Clean Water Act, used in the regulation of point sources (e.g. Discharges from industrial and municipal facilities, stormwater discharges from discrete conveyances such as pipes or channels).

Ohio Revised Code (ORC): Legal document containing all the acts that have been passed by the Ohio General Assembly and that have been signed by the Ohio governor.

Qualitative Habitat Evaluation Index (QHEI): Index designed by the Ohio EPA to establish a measurement of habitat quality that is generally interrelated to physical factors that affect fish communities and other aquatic life, such as macroinvertebrates.

Stormwater Control Practice (SCP): Refers to the permanent stormwater practices installed during construction to control post construction runoff and prevent or reduce the amount of pollution generated by non-point sources. Practices include structural or non-structural methods and may also be referred to as BMPs.

Stormwater Management Program (SWMP): The SWMP is organized by MCMs and includes BMPs, measurable goals, rationale, decision process, responsible parties, time schedules and other appropriate information.

Stormwater Pollution Prevention Plan (SWPPP): A SWPPP identifies all potential pollution sources from a construction site or regulated facility; addresses measures to prevent potential pollutant discharges into water bodies and wetlands; and assists in the compliance with the conditions and terms of the permit.

Total Maximum Daily Loads (TMDL): The Ohio EPA TMDL program, established under Section 303(d) of the Clean Water Act (33 U.S.C. 1313), focuses on identifying and restoring polluted rivers, streams, lakes and other surface water bodies. A TMDL is a written, quantitative assessment of water quality problems in a water body and contributing sources of pollution. It specifies the amount a pollutant needs to be reduced to meet water quality standards (WQS), allocates pollutant load reductions, and provides the basis for taking actions needed to restore a water body.¹

¹ Ohio EPA website: <https://epa.ohio.gov/divisions-and-offices/surface-water/reports-data/total-maximum-daily-load-tmdl-program> Ohio's TMDL Process



Introduction

The Purpose of the SWMP Plan

The following document describes the plan for the City of Obetz' Stormwater Management Program (SWMP) 2021 - 2025. The City is required to develop, implement and support a SWMP to the maximum extent practicable, to protect water quality and to address the impacts of stormwater, while satisfying requirements of the [National Pollution Discharge and Elimination System](#) (NPDES) General Permit² created under the [Clean Water Act](#) (CWA)³, as well as conditions under the Ohio Revised Code [\(ORC\) 6111](#)⁴.

The program is authorized to state governments by the U.S. EPA to require municipal operators of Small Municipal Separate Storm Sewer Systems (MS4s) in U.S. Census Bureau defined urbanized areas to obtain NPDES permit coverage for their stormwater discharges, to prevent harmful pollutants from being washed or dumped into MS4s.

The NPDES defines an MS4 as a conveyance or system of conveyances that is: owned by a state, city, town, City, or other public entity that discharges to waters of the U.S.; designed or used to collect or convey stormwater (e.g., storm drains, pipes, ditches); not a combined sewer; not part of a sewage treatment plant, or publicly owned treatment works (POTW).

This Plan provides information to Ohio Environmental Protection Agency (Ohio EPA) on how the City intends to comply with the requirement of the [Ohio Environmental Protection Agency Municipal Stormwater Program](#)⁵ administered through the NPDES general permit for Small Municipal Separate Storm Sewer Systems (MS4).

This Plan also serves as a communications and guidance tool to City staff and elected officials, community partners, businesses and residents involved in implementing the stormwater program. While implementing this plan, the City of Obetz will communicate with businesses and households and target populations that include residents and landowners, students, developers, and stream side landowners. The City of Obetz will continue to develop programs to identify potential pollution sources and eliminate them, as well as review and update zoning and development regulations as needed to comply with the permit. Every effort will be made to use existing resources, identify grant opportunities, and meet multiple community needs.

² National Pollution Discharge and Elimination System web link <https://www.epa.gov/npdes>

³ Clean Water Act web link <https://www.epa.gov/laws-regulations/summary-clean-water-act>

⁴ Ohio Revised Code 6111 web link <http://codes.ohio.gov/orc/6111>

⁵ Ohio EPA Municipal Stormwater Program web link <https://epa.ohio.gov/divisions-and-offices/surface-water/permitting/stormwater-program>

Stormwater Management Program Plan Organization

The following outlines the structure and rational of the City's stormwater programming and the plan for implementation as required by the permit. The full text of the Permit can be viewed on the Ohio EPA's website. Contact Jason Fyffe, Ohio EPA at (614) 728-1793 with questions.

Minimum Control Measures

The Plan is organized by the six minimum control measures (MCMs), that are set forth in the NPDES permit, and which are factors considered critical in helping to reduce pollution to our waterways. The MCMs provide a comprehensive stormwater management approach by educating and involving the users of the storm sewer system; mapping the stormwater system; identifying and resolving pollution discharges; managing and improving stormwater quantity and quality on new and redeveloping construction sites; ensuring ongoing maintenance of all stormwater management systems after construction and implementation; and setting the community example with good stormwater management at municipal facilities and with municipal operations.

These MCMs are:

- 1. Public Education and Outreach**
- 2. Public Involvement and 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.**

Best Management Practices

For each minimum control measure, best management practices (BMPs), and mechanisms and activities that will be implemented to minimize the discharge of pollutants from the sewer system, are outlined consistent with permit requirements. Where applicable the BMPs and their activities are tied to targeted audiences, as are target pollutants through themes and messaging for each BMP activity.

Legal Authority

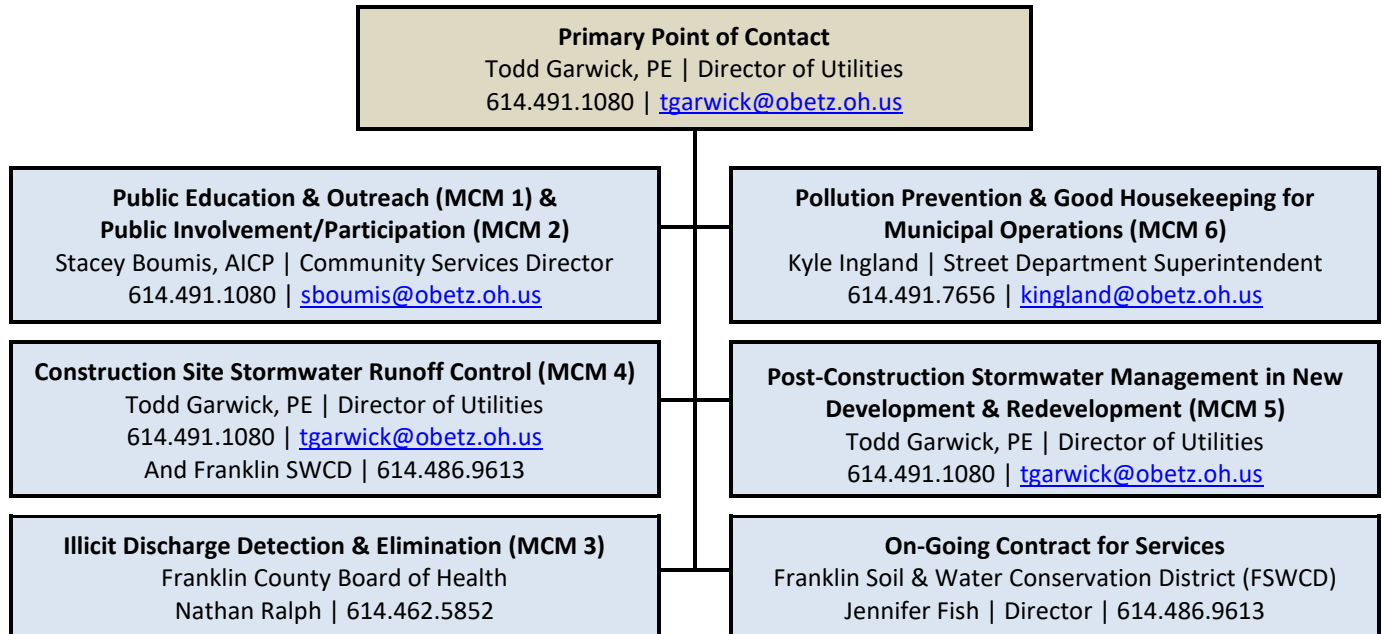
Each BMP under this SWMP Plan and each of their activities are well within the authority and ability of the City of Obetz and implementing partners. Where needed, authority has been outlined as part of several ordinance put in place by the City to allow implementation for the purpose of permit compliance and water quality improvements for the community.

Measurable Goals

Measurable goals are included for each BMP, under which each goal at a minimum meets MCM performance standards under the permit requirements. Where applicable, measurable goals were targeted towards specific audiences within the community and are measurable over the five-year term of the permit.

Responsible Parties (Implementation)

The Director of Utilities is responsible for the overall management and implementation of the SWMP. The Parks Superintendent, Streets Superintendent, and Building Department Coordinator support the Community Services Director and are responsible for the implementation of specific BMPs. The Franklin County Soil and Water Conservation District (FSWCD) and Franklin County Board of Health serve as program consultants and assist in program implementation as needed. See the organizational chart below and *Appendix A: SWMP Plan Spreadsheets* for further details.



Rationale

Rationale for how and why each of the BMPs and measurable goals were selected is provided within the SWMP Plan Spreadsheet. Under this SWMP Plan, all BMPs and each of the activities have been adopted to target specific audiences and water quality concerns with proven and novel mechanisms, addressing TMDL recommendations where applicable.

Reporting

The SWMP Plan must be prepared and submitted every five years and must contain the planned actions and activities that will be used in the reporting year to maintain compliance with the Permit. In addition, the permit requires the City to submit an annual report by April 1st of each year that details actions taken in the previous year to achieve compliance.

SWMP Plan Spreadsheet

The City of Obetz utilizes a spreadsheet system for each MCM and subsequent BMPs and activities to aid in tracking implementation and compliance over the permit term. These sheets can be found in Appendix A. The spreadsheet is meant to be a supporting tool to this document, organizing and outlining clearly and concisely the range of activities the City and partners accomplish from year to year, but also the timeline, responsible parties, and program evaluation parameters. It is intended that this tool is used in conjunction with this document to satisfy the permit conditions.

Community Characteristics

The City of Obetz, located in southern Franklin County, is approximately six square miles. Approximately 5500 people live in Obetz while 20,000 work there. Obetz' location relative to Interstate 270 and the Rickenbacker International Airport make it a prime location for logistics and manufacturing facilities. Beginning in 2020, Obetz has experienced a surge in residential construction focused on the area surrounding the Hamilton Local School District's campus. Population within the City is projected to increase by approximately 3000 people by 2030. Commercial growth continues at a steady pace in Obetz' Alum Creek Drive and Groveport Road corridors. New commercial growth is planned at the intersection of Rathmell Road and Lockbourne Road.

Obetz has over 500 acres of parkland that includes both active and passive spaces. Obetz' aggressive open space acquisition policy has enabled the City to obtain several sites along the Big Walnut Creek.

Obetz is split between the Hamilton Local School District (LSD) and the Groveport Madison School District. There is limited developable land remaining in the Groveport Madison School District and the District has no school buildings within the corporate boundaries of Obetz. The majority of planned new growth will be located in the Hamilton LSD. There are four school facilities, located on a central campus within the City.

The terrain within the City is relatively flat apart from the riparian corridors along Big Walnut Creek and associated tributaries. City residents are well connected to the natural world, with access to approximately 8 miles of streams, and 400 acres of park lands.

The community has centralized sewers (over 180K linear feet) with very few properties still relying on home sewer treatment systems (septic tanks). The storm sewer system consists of over 190K liner feet and is a combination of curb and gutter, pipe, and grassed swales. Residents in the older portion of the City use open swales and grassed ditches to convey stormwater. In many cases, the water from the roofs is directed into the yards. Conventional subdivisions in the City use curb and gutter for stormwater conveyance. Most of the City's industrial/warehousing development is within planned development areas that have shared stormwater retention or detention ponds.

Water resources between surface and ground water are interrelated. The community receives drinking water from two sources— a local water treatment which utilizes ground water and from the City of Columbus which utilizes surface water. Stormwater management practices of retention, detention, and water quality improvement will impact ground water quality and availability.

Since 2003, the City and partners have successfully planned and implemented a stormwater program, with an eye to future trends as seen in this document. Some summary highlights of the program over the last permit cycle (2015 to 2019) include:

- Educational stormwater messages reached all residents and businesses; 8,200 in the development community; 1,700 students and 600 teachers.
- 37 residents attended workshops that promote positive sustainable actions.
- 154 MS4 stormwater outfalls screened for illicit discharges.
- 20 construction sites inspected 505 times for erosion and sediment controls.
- 12 site inspections of post-construction runoff controls.
- 65 stormwater structures repaired or cleaned.
- 646 tires collected and recycled from 100 residents.
- 62.9 tons of sediment and trash swept from 6 miles of roadway.

Watershed/Water Quality and TMDLs

The City of Obetz intersects three major watersheds: Big Walnut Creek (HUC 05060001-160-030), Middle Scioto River (HUC 05060001-230-030), and Walnut Creek (HUC 05060001-180-030). Much of the City (81.43%) lies within the Big Walnut Creek Watershed (which drains the Alum, Blacklick, and Rocky Fork Creeks), while the remaining portions of the City intersect the Middle Scioto River (14.72%), and the Walnut Creek Watersheds (3.85%).

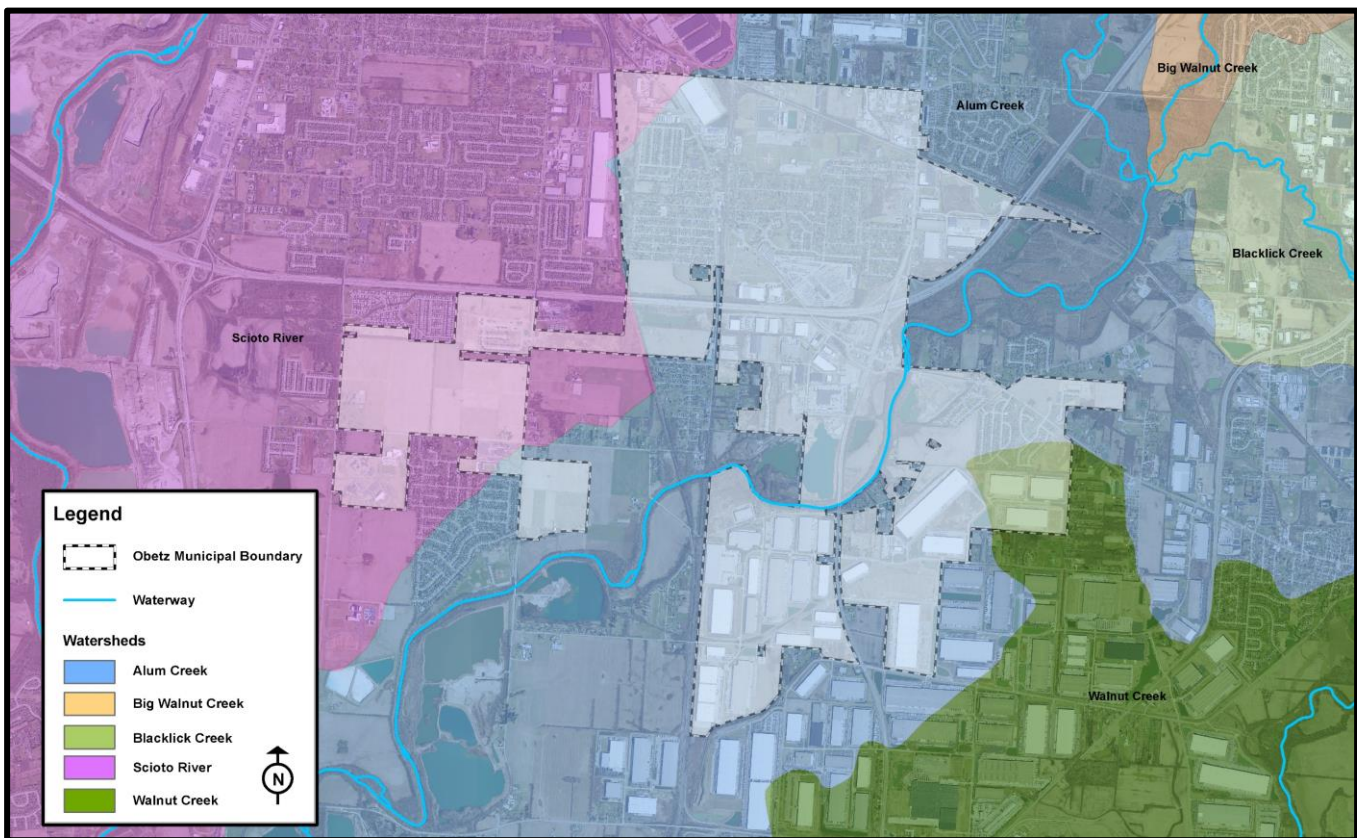


Figure 2: Watershed Map

To identify possible pollution targets for the City, technical reports addressing Total Maximum Daily Loads (TMDLs) Reports, Biological and Water Quality Studies, and Watershed Actions Plans were consulted.

Big Walnut Creek⁶

According to the TMDL Report prepared by Ohio EPA and published in 2005, no TMDLs have been developed for the area of the Big Walnut Creek watershed occupied by the City (HUC 05060001-160-030). This sub-watershed includes 15.8 river miles of the main stem that run from the Three Creeks confluence to the Scioto River and is currently designated as Exceptional Warm Water Habitat (EWH) and considered in full attainment of water quality standards (2 of those river miles can be found within the City). A Biological and Water Quality Study of the Big Walnut Creek Basin (the Study) was also completed by Ohio EPA in 2000. Below is a summary of the three water quality Study areas – upstream, within, and downstream from the City – that were identified in the Study.

The Study at Williams Road; north of the City of Obetz and at river mile 15.8, found slightly elevated pathogen counts and nutrient concentrations, and the presence of polycyclic aromatic hydrocarbons (PAHs) and metals in the sediments. The Study at an Unnamed Tributary (believed to be Broehm Ditch); within the City and at river mile 12.74 has a modified warm water habitat use designation. The ditch has moderate amounts of bacterial contamination. Home sewage treatment systems (HSTS) are a typical source of bacterial contamination. Increased

⁶ Sources: Lower Big Walnut Creek Watershed Action Plan and Inventory, 2006, Friends of Big Walnut Creek
Biological and Water Quality Study of the Big Walnut Creek Basin, 2000, Ohio EPA
Total Maximum Daily Loads for the Big Walnut Creek Watershed, 2005, Ohio EPA

stormwater runoff from development pressures and impervious surfaces were also evident from the extensive erosion of the ditch bed and banks. The Study at State Route 317; south of the City of Obetz and at river mile 7.1, found slightly elevated pathogen counts, total suspended solids, and nutrient concentrations.

In respects to the Study sites, the overall health and well-being along the Big Walnut main stem, as assessed by the OEPA using the Qualitative Habitat Evaluation Index (QHEI), is considered very good to exceptional. Sources of impairment are identified as urban and suburban runoff as well as HSTS.

Middle Scioto River⁷

Approximately 600 acres on the west side of Obetz drains through the Bets and Flory Ditch system and into the Scioto River just south of I-270 (HUC 05060001-230-030). Land use in this part of the City is largely agricultural, with only a few developed parcels (including Hamilton Local Schools, Leave-A-Mark Church and Butler Farms Subdivision). There are currently no TMDL's developed for the Middle Scioto River, as the report is currently in preparation and not yet available. However, two Biological and Water Quality Studies were completed of the Middle Scioto River by Ohio EPA in 1996 and 2010. Below is a summary of the relevant sample areas – upstream, at, and downstream of the location where the Bets and Flory Ditch discharges into the Scioto River – identified in those studies.

Results from the 1996 biosurvey found 35.6 miles (75.6%) of the middle Scioto River in full attainment of existing aquatic life uses and 11.5 miles (24.4%) in partial attainment. One of the river segments in partial attainment was located between river mile 129.2 (Greenlawn Ave/Whittier St. CSO) and river mile 123.6 (downstream from I-270). This area is north of the Bets and Flory Ditch discharge location and receives treated effluent and combined sewer discharges (overflow events) primarily from the Whittier St. CSO, Techneglas, and the Jackson Pike WWTP. The Study at Dst. I-270 and Big Creek, across from the Bets and Flory Ditch discharge location and at river mile 123.5/123.2, was sampled for fish and macroinvertebrates and was considered in full attainment of aquatic life use.

Similar results were identified in the 2010 Biological and Water Quality Study. When looking at the status of WWH aquatic life use designations; the site upstream from the Bets and Flory Ditch discharge location (at river mile 126.4) was found to be in partial attainment due to organic enrichment from Columbus CSOs, municipal point source discharge, and Jackson Pike WWTP. The sample site located downstream of the Bets and Flory Ditch discharge point (at river mile 119.9), was found to be in full attainment of the WWH aquatic life use designation. Fish populations were very good to exceptional at both sites and stream physical habitat (QHEI) was identified as excellent, scoring 84.0 and 84.5. However, when 28 locations in the watershed were tested for E. coli bacteria, 26 failed to attain the applicable geometric mean Water Quality Standards (WQS) criterion, indicating an impairment of the recreational use at these locations. Sites in non-attainment included those at river miles 125.5 and 119.1. Sources of elevated bacteria concentrations were ubiquitous and most likely due to a variety of inputs depending on the site location. In the central portion and mixed land use areas of the watershed, WWTPs, CSOs, SSOs, unsewered areas, HSTS, and agricultural activities likely combine to contribute to bacteria contamination. It was also noted that bacterial contamination in most streams was present during both wet and dry weather events, which indicates that strategies to reduce bacteria levels should include both nonpoint source and point source measures.

⁷ Sources: Biological and Water Quality Study of the Middle Scioto River and Alum Creek, 1996, Ohio EPA
Biological and Water Quality Study of the Middle Scioto River and Select Tributaries, 2010, Ohio EPA

Walnut Creek⁸

Approximately 140 acres on the southeast side of Obetz lies within a headwater tributary of the Walnut Creek (the Arnold and Toy Ditch system, which drains into Muddy Run before reaching Walnut Creek). Historically the land use in this area was agricultural but has since been developed into a commercial warehousing park known as Centerpoint. While the stormwater infrastructure was designed to drain to the Big Walnut Creek, there could still be groundwater flow that drains to the Walnut Creek, so the 2010 TMDL Report for the Walnut Creek Watershed was reviewed for any results relevant to this drainage area (HUC 05060001-180-030). While there are TMDL's listed for HUC 05060001-180 (habitat modification, sediment, and fecal coliform), they applied to other sub-watersheds with drainage areas on the east side of Walnut Creek and not to the area West of the main stem, which contains the drainage from the Arnold and Toy Ditch system (Figure 3). No samples were taken from Muddy Run or Arnold and Toy Ditch, but samples were collected from the main stem at river miles 13.8, 14.90 and 16.90 (upstream, at, and downstream of where Muddy Run discharges into Walnut Creek). These sites are designated as warm water habitat (WWH) and were in full attainment of aquatic life use.

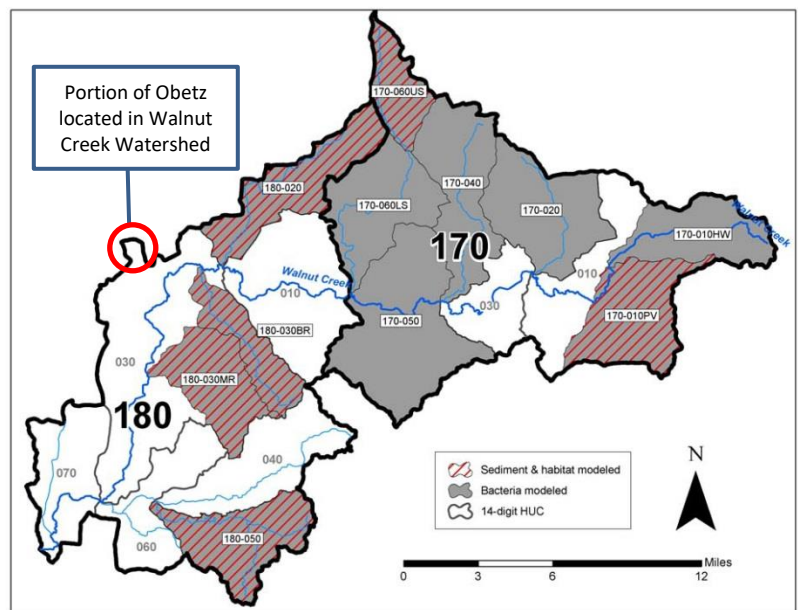


Figure 3: Areas analyzed for TMDL development. Areas without shading or diagonal lines were not subject to TMDL analysis.

Water Quality and TMDL Summary

Overall, water quality in Obetz is good. Based on a review of available water quality studies in watersheds containing the City, bacteria, sediment, and nutrients are potential problems. Given that 40% of the City is zoned for industrial activities, metals, oils and other toxic pollutants from semi's and truck traffic are potential concerns. While residential areas may contribute nutrients, bacteria, metals, oils, and other toxic pollutants from improper waste disposal. Implementing measures to reduce stormwater runoff as the City continues to grow will be important in limiting sediment transport and impacts to overall stream health.

There are currently no TMDLs developed for the Big Walnut Creek or Walnut Creek that apply to the City of Obetz, and the TMDL report for the Middle Scioto River is currently being prepared. Any updates will be reviewed as they become available to ensure the City is implementing appropriate BMPs to meet water quality goals.

⁸ Sources: Total Maximum Daily Loads for the Walnut Creek Watershed, 2010, Ohio EPA

Minimum Control Measure 1: Public Education and Outreach

An informed and knowledgeable community is important to a successful stormwater program and helps lay the foundation for community participation in responsible land management, compliance with local and state regulations, and support for community projects and programs.

The following outlines how the City of Obetz will provide a program to distribute stormwater education and steps that can be taken to reduce runoff pollution. It also includes summaries of the City's rationale for program development, required performance standards and tracking and reporting needs.

City of Obetz Education and Outreach Program

When selecting BMPs and themes for this minimum measure, community interests, demographics, land use, potential pollution sources, TMDLs, stormwater system information, and community resources were all considered. The small size of the City and strong connection with the residents, schools and businesses allows the City to contact most, if not all, of the households and businesses over the permit term.

Priority Pollutants & Target Audiences

There are currently no U.S. EPA approved TMDLs that apply to the City of Obetz. However, based on available water quality data and community characteristics the following have been identified as priority pollutants:

1. Sediment & Erosion;
2. Commercial & Household Hazardous Waste;
3. Nutrients; and
4. Bacteria.

The City's target audience and a summary of activities is as follows:

1. **Residents** will be provided information on the ways that they can reduce their impacts on stormwater quality and volume. Where applicable, facts on HSTS maintenance will be provided to residents.
2. **Businesses and industrial/warehousing operators and owners** will receive messaging on pollution prevention & good housekeeping and long-term operation and maintenance of stormwater facilities.
3. **The development community** will receive information on sediment controls, stormwater BMPs, and OEPA expectations.

Efforts will also be made to educate the commercial and institutional entities within the City. Consideration will also be given to specific groups within the City including residents along streams and ditches, local scout troops, outdoor enthusiasts, and other community organizations.

Themes

The City of Obetz has identified at least five different education themes to use during the duration of this permit which will target existing and potential community pollution sources.

1. *"Protect Water Quality through **Proper Waste Disposal**"* will focus on the proper disposal of wastes produced by households, businesses, and communities (including solid waste, hazardous waste, pet waste, and yard waste). Recycling and home sewage treatment system management opportunities will also be incorporated.
2. *"**Only Rain Down the Drain**"* will provide education to residents and businesses that storm drains convey water to the streams and not the treatment plant.
3. *"Reduce and Clean Stormwater Runoff through **Backyard Conservation**"* will focus on the use of rain barrels, rain gardens, lawn care, and native vegetation and trees to capture stormwater, manage erosion, and protect stream corridors.
4. *"Better Water Quality, Infiltration, and Compliance through **Better Site Design**"* will focus on how to properly manage construction projects from planning through post-construction maintenance for better water quality, infiltration, and regulation compliance.
5. *"**Stream Protection Practices**"* will focus on using storm water infiltration practices and stream buffers for healthier streams, cleaner water, and better fishing.

Best Management Practices, Measurable Goals, and Activities

1. Educational Information and Outreach for Residents and Landowners

Work with partners to reach at least 50% of Obetz residents in five years, using a suite of print and online media and in-person communications, that touch on all five educational themes, target stormwater and address potential pollution sources.

Mechanisms and Activities

Print and Online Communications

Frankly Speaking Newsletter
Backyard Conversations e-Newsletter
Social Media Posts
Magazine Article / Advertisements
Water Bill Mailer
HSTS Mailer

Workshops and Community Events

Community Backyards Program
<https://www.communitybackyards.org>
Community Events

Program Evaluation

Number of:

Materials distributed
Increased subscribers
Topics/themes covered
Households/residents reached
Attendees to event(s)

Program Team

City of Obetz Community Services Team
Franklin Soil and Water Conservation District Staff
Franklin County Public Health

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2. Educational Information and Outreach for the Business Community

Work with partners to reach out to 100% of Obetz businesses and recruit 5% in five years to take the pledge to keep waterways healthy by using best management practices in their daily operations and by educating their employees about stormwater issues including themes on habitat, pathogens, nutrients, and pollution prevention.

Mechanisms and Activities

Printed Communications

Water Quality Partner Program
<https://www.franklinswcd.org/water-quality-partner-program>

Program Evaluation

Number of:

Businesses sent materials
Pledges submitted

Program Team

City of Obetz Community Services Team
Franklin Soil and Water Conservation District Staff



3. Educational Information and Outreach for the Development Community

Work with partners to reach 100% of the development community who work within Obetz in five years, providing several newsletters, outreach materials, and workshops (virtual and/or in-person) that touch on the proper installation and maintenance of stormwater controls, as well as themes on habitat, pathogens, nutrients, and pollution prevention.

Mechanisms and Activities

Print and Online Communications

Urban Review Newsletter

Workshops and Webinars

Urban Conservation Program

<https://www.franklinswcd.org/urban-conservation>

Program Evaluation

Number of:

Materials distributed

Topics/themes covered

Plans reviewed/meetings

Events held

Attendees to event(s)

Program Team

City of Obetz Community Services, Engineering,

& Utility Teams

Franklin Soil and Water Conservation District Staff



4. Educational Information and Outreach for Students and Teachers

Work with partners to reach 50% of City of Obetz students and teachers in five years providing environmental education on all five themes and stormwater topics in relation to Ohio State Science Standards.

Mechanisms and Activities

Programming

In-Class / Remote Learning

<https://www.franklinswcd.org/education>

In-Field

Print and Online Communications

SWIFT Newsletter

Program Evaluation

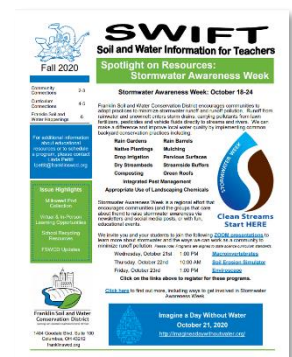
Number of:

Students

Teachers

Program Team

Franklin Soil and Water Conservation District Staff



Minimum Control Measure 2: Public Involvement and Participation

This minimum measure requires the City of Obetz to engage the public for input and involvement in the City SWMP. Public participation provides valuable input and assistance for the SWMP with opportunities to engage in the development and implementation of the program. Public involvement results in broader public support, improvements to the program Plan and implementation, shorter implementation schedules, additional resources, and greater benefits to water quality in the City and watershed wide.

The following outlines how the City of Obetz will provide a program to comply with public notice requirements and involve the public in the development of the program and participation in the implementation strategy and steps that can be taken to reduce runoff pollution. It also includes summaries of the City’s rational for program development, required performance standards and tracking and reporting needs.

City of Obetz Involvement and Participation Program

To address this MCM the City will engage stakeholders by making and seeking comments for future program improvements and opportunities. When selecting BMPs for this minimum measure, community interests, demographics, land use, potential pollution sources, TMDLs, stormwater system information, and community resources were all considered. The priority pollutants, target audiences, and themes identified in MCM 1 will also be used for this MCM.

Best Management Practices, Measurable Goals, and Activities

1. Citizen Volunteer Events

Work with residents and community groups to hold events that promote the clean-up and restoration of watershed habitat and better water quality.

Mechanisms and Activities

In-Stream Activity Stream Clean-Up	Restoration Tree Planting / Invasive Removal	Stormwater Management Storm Drain Labeling
--	--	--

Program Evaluation

- Number of:
- Participants at events
 - Bags of debris
 - Removal/planting area (acres)
 - Vegetation planted
 - Catch basins labeled

Program Team

City of Obetz Community Services Team
Franklin Soil & Water Conservation District Staff



2. Conservation Implementation

Work with partners to provide residents with an annual community-wide program on stormwater management where residents are incentivized to implement practices in their own backyard.

Mechanisms and Activities

Rebates

Community Backyards Program

<https://www.communitybackyards.org>

Cost-Share

Rain Garden Installation

<http://www.centralohioraingardens.org/>

Program Evaluation

Number of:

Participants at events

Rebates/cost-shares utilized

Program Team

City of Obetz Community Services Team

Franklin Soil and Water Conservation District Staff

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GET \$50 FOR YOUR YARD!

www.communitybackyards.org

3. Conservation Commitments

Work with partners to obtain conservation commitments from residents and businesses to actively engage in activities for better water quality.

Mechanisms and Activities

Pledges

Water Quality Partner Program

<https://www.franklinswcd.org/water-quality-partner-program>

Survey

Be the Change for Clean Water

<http://www.bethechangeformcleanwater.org/>

Program Evaluation

Number of:

Pledges returned and/or surveys taken

Program Team

Franklin Soil and Water Conservation District Staff

BetheChange
for clean water .org



4. Waste & Recycling Events

Work with the community and partners to hold events that promote proper waste disposal and recycling.

Mechanisms and Activities

Annual Spring Clean-up & Tire Recycling Event for City Residents

Drive-Thru / Drop-Off

Program Evaluation

Number of:

Participants at events
Collected Waste

Program Team

City of Obetz Community Services & Service Department Teams



5. Public Input

Provide an opportunity for and consideration of public input into the City's Stormwater Management Program Plan.

Mechanisms and Activities

Website

Make Plan available to public for comment
Share Plan with stakeholders, Council, etc.

Program Evaluation

Number of:

Website and social media interaction data
Comments made

Program Team

City of Obetz Community Services Team



Minimum Control Measure 3: Illicit Discharge Detection and Elimination

City of Obetz Illicit Discharge and Elimination Program

This minimum measure requires the City of Obetz to implement and enforce a program to detect and eliminate illicit discharges. An illicit discharge is any discharge to an MS4 that is not composed entirely of stormwater with some exceptions. These exceptions can include waterline flushing, springs, water from crawl space and sump pumps, footing drains, landscape irrigation, lawn watering, diverted stream flows, rising ground waters, individual residential car washing, uncontaminated groundwater, foundation drains, uncontaminated pumped groundwater, air conditioning condensation, dechlorinated swimming pools, potable water sources, flow from riparian habitats and wetlands, street wash water, discharges or flows from firefighting activities and any other flows determined to not be significant sources of pollution to the MS4. Addressing this minimum measure includes mapping, legal prohibition and enforcement of illicit discharges, and a plan to detect and address illicit discharges.

To address the IDDE minimum control measure, the City uses a combination of mapping, monitoring, education and enforcement. The City of Obetz has its municipal stormwater system mapped in GIS. Surface drainage is mapped in GIS to submeter accuracy by Franklin Soil and Water staff as part of a larger county-wide stream and drainage mapping effort. Included in this database are the names and locations of all surface waters of the State that receive discharges from Obetz's MS4. A corresponding database was developed from the dry weather screening of outfalls which allowed for characterization of outfalls including some water quality testing results.

Best Management Practices, Measurable Goals, and Activities

1. Ordinance or Other Regulatory Mechanism

The City of Obetz has enacted ordinances to prohibit illicit discharges and will work to review and update annually.

Mechanisms and Activities

Regulatory

Chapter 951 addresses illicit discharges and illegal connections to the MS4 system

https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24395#JD_951

Program Evaluation

Enacted Ordinance

Yearly Evaluations

Program Team

City of Obetz Community Services Team

2. Storm Sewer System Map

The City of Obetz has a municipal storm water system mapped in a GIS along with the names and locations of all surface waters of the State that receive discharges from the City's MS4. The City will work to update mapping as new construction is undertaken or as otherwise needed.

Mechanisms and Activities

Field and Desktop

Maintain and Update as necessary storm sewer maps

Program Evaluation

Completed Mapped System

Yearly evaluations

Program Team

City of Obetz Utility & Engineering Teams

Franklin Soil & Water Conservation District Staff



3. HSTS Mapping and List

The City of Obetz will maintain and update a HSTS map within a GIS and an active list will be made available to the OEPA and Franklin County Health Department.

Mechanisms and Activities

Field and Desktop

Maintain and Update as necessary HSTS maps and Listings

Program Evaluation

Completed Mapped System and List
Yearly evaluations

Program Team

City of Obetz Utility & Engineering Teams

4. IDDE Plan

The City of Obetz developed an “Illicit Discharge Detection and Elimination Plan” document that outlines the measures the City is taking to prohibit, detect and eliminate illicit discharges into their municipal separate storm sewer system. The City will review annually and update, as necessary.

Mechanisms and Activities

Plan Development

Maintain and Update as necessary IDDE Plan

Program Evaluation

Adherence to Plan
Yearly evaluations

Program Team

City of Obetz Utility Team
Franklin County Public Health
Franklin Soil & Water Conservation District Staff



5. Dry-Weather Screening

The City of Obetz has outlined its approach to Dry Weather Screening and the City’s approach to tracing illicit discharges within the IDDE Plan. The City will carry on its annual inspection continuing the long-term surveillance via screening for discharges or signs of discharges as dry weather restrictions allow.

Mechanisms and Activities

Field and Desktop

Follow guidance within IDDE Plan
Dry weather screen approximately 50% of outfalls every year; 100% over the 5-year permit term

Program Evaluation

Adherence to Plan	# MS4 Outfalls (total)	# Outfalls where Illicit Discharges were Identified
Yearly evaluations	# Outfalls Screened	# Outfalls where Illicit Discharges were Eliminated
	# Outfalls where Dry Weather Flows were Identified	# of Illicit Discharges Identified / Eliminated through other methods

Program Team

Franklin Soil & Water Conservation District Staff

Minimum Control Measure 4: Construction Site Stormwater Runoff Control

City of Obetz Construction Site Runoff Control Program

This minimum control measure addresses management of stormwater runoff from construction activity disturbing one acre or greater. Stormwater runoff management addresses both how water is retained and released during and after stormwater events and how erosion is minimized through design, management of construction activity, and use of erosion control practices until the site is stabilized with permanent vegetation.

Sediment is a major pollutant of concern in Ohio, with construction and urban runoff being the primary contributor in the City of Obetz and Franklin County. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. Unmanaged stormwater runoff from developed land results in stream bank erosion. The resulting siltation, and the contribution of other pollutants from construction sites, can cause physical, chemical, and biological harm to local streams. Stormwater retention and detention on construction sites reduces the volume and velocity of stormwater entering ditches and streams. Another benefit of stormwater detention is increased infiltration of water into the soil. This replenishes the availability of ground water as a supply for drinking water and maintains base flow in local streams.

Best Management Practices, Measurable Goals, and Activities

1. Ordinance or Other Regulatory Mechanism

Continue to use and enforce existing ordinances that require erosion and sediment controls.

Mechanisms and Activities

Regulatory

Chapter 1164 of the codified ordinances covers erosion and sedimentation control regulations.

https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24622#JD_1164

Chapter 1137 of the codified ordinances covers site development plans, engineering plans, and stormwater pollution prevention plans.

https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-12179

Section 1115.13 of the subdivision regulations addresses surface water, erosion, and sedimentation control.

https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-11173#JD_1115.13

Program Evaluation

Enacted Ordinance

Yearly Evaluations

Program Team

City of Obetz Community Services, Utility,
and Engineering Teams



2. Sediment and Erosion Control Requirements

Use existing standards as stated in the latest version of the Rainwater and Land Development Manual and the current Ohio EPA NPDES General Construction Permit for sediment and erosion control and waste disposal requirements.

Mechanisms and Activities

Regulatory

Section 1115.13 of the subdivision regulations addresses surface water, erosion, and sedimentation control.

https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-11173#JD_1115.13

Program Evaluation

Enacted Requirements

Yearly Evaluations

Program Team

City of Obetz Community Services, Utility, and Engineering Teams



3. Complaint Process

Continue receipt and investigation of all sediment and erosion complaints by the public that are tracked and 100% followed-up on

Mechanisms and Activities

Tracking and Complaint Resolution

Update as necessary requirements to ensure compliance

Track and Follow-up on Complaints (<https://obetz.oh.us/seeclifix/>)

Program Evaluation

Maintain Process

Yearly Evaluations

Number of Complaints Received



Program Team

City of Obetz Community Services, Utility, and Engineering Teams

4. Site Plan Review Procedures

Follow existing procedures for Stormwater Pollution Prevention Plan review which incorporate consideration of potential water quality impacts, recording the number of sites applicable and number of plans reviewed.

Mechanisms and Activities

Review

Update Requirements to Ensure Compliance as Needed

Track and Record Applicable Sites Reviewed

Program Evaluation

Maintain Process

Yearly Evaluations

Number of Applicable Sites and Plans Reviewed

Program Team

City of Obetz Utility Team

Franklin Soil & Water Conservation District Staff

5. Site Inspection Procedures

Follow existing procedures for site inspection of sediment and erosion control requirements, recording the number of applicable sites, the number of inspections performed, and the average frequency of inspections.

Mechanisms and Activities

Inspection

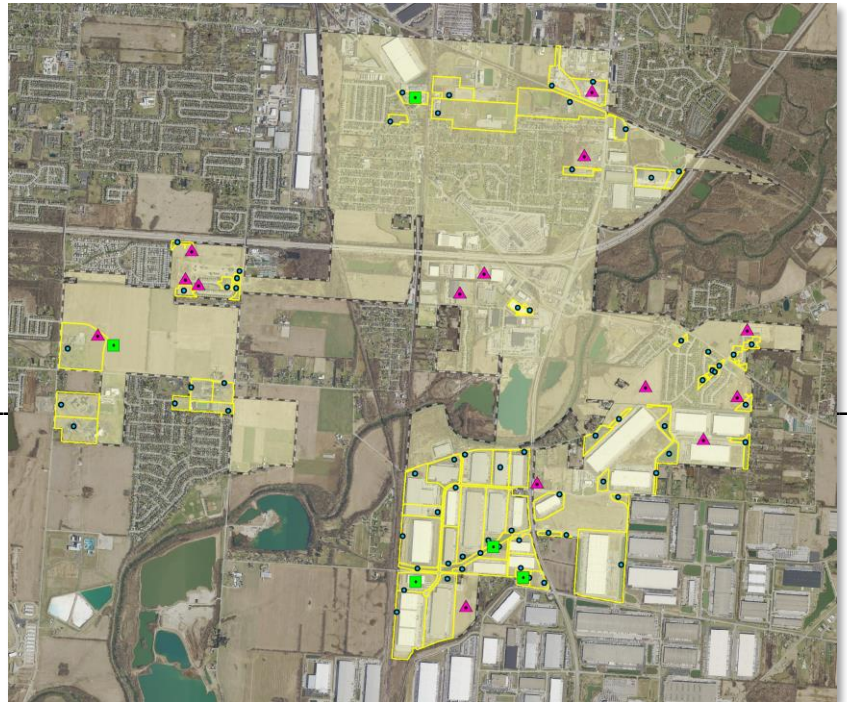
Site Inspections, Compliance Recommendations
Track and Record Applicable Sites Inspected

Program Evaluation

Maintain Procedures
Yearly Evaluations
Number of Applicable Sites and Sites Inspected

Program Team

City of Obetz Engineer
Franklin Soil & Water Conservation District Staff



6. Enforcement Procedures

Follow existing procedures for enforcement of sediment and erosion control requirements, recording the number of violation letters sent and the number of enforcement actions taken.

Mechanisms and Activities

Code Enforcement

Section 1164.10 of the Codified Ordinances covers enforcement
https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24860

Written and Verbal Communication
Enforcement Actions
Track and Record Applicable Sites

Program Evaluation

Enacted Procedures
Yearly Evaluations

Number of Violations / Enforcement Actions

Program Team

City of Obetz Community Services, Utility, Engineering, and Law Teams

Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment

City of Obetz Post-Construction Site Runoff Control Program

These measures start at development plan review and continue through ongoing management of stormwater management practices that remain on site after construction is completed. Good construction site management and use of non-structural SCPs, including wise placement of green space and stream buffers, can reduce costs of ongoing maintenance.

As post construction runoff flows over developed land it carries pollutants such as sediment, oil and grease, pesticides, heavy metals, and nutrients such as nitrogen and phosphorus to nearby ditches and streams. Once deposited, these pollutants impact water quality and the viability of aquatic organisms. Post construction runoff also increases the quantity of water delivered to ditches and streams during storm events. Stormwater is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. The effects of this process include stream bank erosion and downstream flooding. As stormwater is directed into streams and ditches, infiltration of water to replenish the water table is also decreased.

Best Management Practices, Measurable Goals, and Activities

1. Ordinance or Other Regulatory Mechanism

Continue to use and enforce existing ordinances that address post-construction runoff.

Mechanisms and Activities

Regulatory

Update Ordinances as Needed

Program Evaluation

Enacted Ordinance

Yearly Evaluations

Program Team

City of Obetz Community Services & Engineering Teams

Chapter 1164 of the codified ordinances addresses erosion and sedimentation control regulations. **Section 1115.13** of the subdivision regulations addresses surface water, erosion, and sedimentation control. **Chapter 1363** addresses Nuisance Control and has broad use to ensure storm water controls are maintained. **Chapter 1137** of the Codified Ordinances covers site development plans, engineering plans, and stormwater pollution prevention plans.

<https://codelibrary.amlegal.com/codes/obetz/latest/overview>

2. Post-Construction Requirements

Continue to use existing standards from Ohio EPA and applicable City Ordinances for construction site operators to implement appropriate post-construction SCPs.

Mechanisms and Activities

Regulatory

Update requirements as necessary to ensure compliance

Program Evaluation

Enacted Requirements

Yearly Evaluations

Program Team

City of Obetz Utility Team

Chapter 1164 of the codified ordinances addresses erosion and sedimentation control regulations. **Section 1361.13(b)** specifically addresses grading and drainage. **Section 1115.13** of the subdivision regulations addresses surface water, erosion, and sedimentation control.

<https://codelibrary.amlegal.com/codes/obetz/latest/overview>

3. Site Plan Review Procedures

Review every site plan against post construction requirements listed in the OEPA’s Construction General Permit (CGP) and applicable City ordinances.

Mechanisms and Activities

Review

- Update requirements, as necessary, to ensure compliance
- Track and Record Applicable Sites Reviewed

Program Evaluation

- Enacted Requirements
 - Yearly Evaluations
- Number of Applicable Sites and Plans Reviewed

Program Team

- City of Obetz Utility & Engineering Teams
- Franklin Soil & Water Conservation District Staff

4. Site Inspection Procedures

Follow existing procedures for site inspection of post-construction control requirements, recording the number of inspections performed, and the average frequency of inspections.

Mechanisms and Activities

Regulatory

- Site Inspections, Compliance Recommendations
- Track and Record Applicable Sites Inspected

Program Evaluation

- Enacted Requirements
 - Yearly Evaluations
- Number of Applicable Sites and Inspections Performed

Program Team

- City of Obetz Utility & Engineering Teams
- Franklin Soil & Water Conservation District Staff



5. Enforcement Procedures

Follow existing procedures, record number of violation letters sent and number of enforcement actions taken.

Mechanisms and Activities

Code Enforcement

Written and Verbal Communication

Chapter 1363 addresses Nuisance Control and has broad use to ensure stormwater controls are maintained

https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-26119#JD_1363

Program Evaluation

Enacted Procedures

Number of Violations / Enforcement Actions

Yearly Evaluations

Program Team

City of Obetz Community Services, Utility, Engineering, and Law Teams

6. Long-Term O&M Plans/Agreements

Ensure that agreements are in place with property owner and that long-term operation and maintenance of post-construction controls are assumed by responsible party.

Mechanisms and Activities

Agreements

Agreements and Responsibilities Understood

Track and Record Sites (including change of ownership)

Program Evaluation

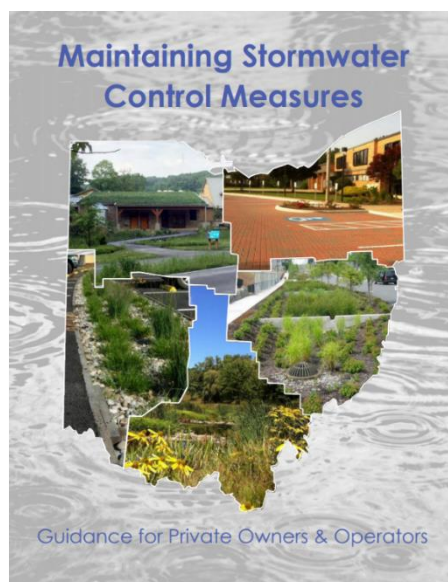
Enacted Procedures

Number of Sites Requiring Agreements

Yearly Evaluations

Program Team

City of Obetz Utility & Engineering Teams



Minimum Control Measure 6:

Pollution Prevention / Good Housekeeping for Municipal Operations

This measure requires the City to examine and alter its own actions to help ensure a reduction of pollution that collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas. The City can lead by example as it strives to improve water quality in Obetz.

City of Obetz Pollution Prevention / Good Housekeeping Program

The City of Obetz maintains several buildings. The Kevin M. Hall Service Complex located at 4100 Orchard Lane houses the Service Department. This is the only facility within the City that requires a Stormwater Pollution Prevention Plan. The facility was built in 2002 and is designed with outlets to sanitary sewer and a stormwater detention basin. The facility is well maintained and organized. Due to the small size of the facility, low turnover, and informal nature of the staff, there are few written procedures.

In addition to this facility, the City has the Obetz Community Center located at 1650 Obetz Avenue; the Obetz Athletic Club located at 2050 Recreation Trail; Fortress Obetz located at 2015 Recreation Trail; the Water Plant located at 2465 Stegner Road; the Government Center which includes the administrative offices and the police department, located at 4175 Alum Creek Drive; and the Grounds and Research and Development Facilities located at 1797 Williams Road. The City also maintains numerous parks. These other facilities do not require a SWPPP. All facilities present opportunities for demonstration rain gardens, rain barrels, bioswales, and detention basin water quality retrofits.

Best Management Practices, Measurable Goals, and Activities

1. Employee Training Program

Annual training will be provided to new and existing employees involved with park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and/or stormwater system maintenance. Topics will provide overviews on the NPDES program and current City SWMP and ways for preventing or reducing pollutant runoff from municipal operations, including how to identify and report illicit discharges.

Mechanisms and Activities

Classroom

Yearly Workshops

Program Evaluation

Topics Covered

Yearly Evaluations

Targeted Audience and Number of Employees Reached

Program Team

City of Obetz Community Services, Utility, and Service Dept Teams



2. Facilities Subject to Program

Review and update facilities list and SWPPP as necessary. Complete quarterly site inspections of the Kevin M. Hall Service Complex located at 4100 Orchard Lane.

Mechanisms and Activities

SWP3 and Inspection

Facilities Plan

Program Evaluation

O & M Procedure Developed

Number / Frequency of Facilities Inspections

Yearly Evaluations

Program Team

City of Obetz Community Services, Utility, and Service Dept Teams



3. MS4 Maintenance

Inspect and clean catch basins and structures based on yearly maintenance plan.

Mechanisms and Activities

Inspection and Maintenance

Yearly Maintenance Plan

Program Evaluation

Number Inspected and Cleaned

Yearly Evaluations

Program Team

City of Obetz Utility Team



4. Proper Stormwater Practices for City Maintenance Activities

Review and update written procedures. 100% of all collected leaves, tires, oil and hazardous chemicals disposed of properly and/or recycled. Apply salt, pesticides, herbicides, and fertilizers in a way that minimizes usage. Minimize trash, grits, and other pollutants in the street which may be transferred to the storm water system.

Mechanisms and Activities

Disposal of Waste

Amounts Disposed

Pesticide / Herbicide Usage

Amounts Used/Minimized

Street Sweeping

Amounts Collected/Disposed

Road Salt

Amounts Used/Minimized

Fertilizer Usage

Amounts Used/Minimized

Leaf Collection

Amounts Collected/Disposed

Program Evaluation

Record of Amounts and Means to Reduce Usage

Yearly Evaluations of Procedures

Program Team

City of Obetz Service Dept & Grounds Teams

5. Flood Management Projects

Ensure stormwater management is considered for all flood management projects.

Mechanisms and Activities

Tracking

Stormwater Management

Program Evaluation

Record of Projects

Program Team

City of Obetz Engineering & Utility Teams



Appendix A

SWMP Plan Spreadsheets

#	THEMES 2021-2025	Theme Acronym	TMDL Link
1	Protect Water Quality through Proper Waste Disposal	PWD	Habitat / TSS / TP / E. coli
2	Only Rain Down the Drain	ORDD	Habitat / TSS / TP / E. coli
3	Reduce and Clean Stormwater Runoff through Backyard Conservation	BC	Habitat / TSS / TP / E. coli
4	Better Water Quality, Infiltration, and Compliance through Better Site Design	BSD	Habitat / TSS / TP
5	Stream Protection Practices	SPP	Habitat / TSS / TP / E. coli

Nutrients (TP)
 Pathogens (E. coli)
 Total Suspended Solids (TSS)
 Habitat

Obetz Departments/Teams (https://obetz.oh.us/wp-content/uploads/2021/05/2020-Annual-Report.pdf)		
Administration	Administration Team	Rod Davisson
Engineering/Building	Engineering Team	Michael Corbitt
Utilities	Utility Team	Todd Garwick
Finance	Finance Team	Matt Cramblit
Human Resources	Human Resources Team	Derek Duncan
Community Services & Planning	Community Services Team	Stacey Boumis
Economic Development	Economic Development Team	Stacie Davisson
Police	Police Team	Mike Confer
Parks & Recreation	Parks and Rec Team	Kerri Doddroe
Obetz Athletic Club	OAC Team	Ben Swauger
Obetz Community Center	OCC Team	Mel Ross
Youth Sports	Youth Sports Team	Jacob Gifford
Fortress Obetz & Memorial Park		Steve Adams
News & Engagement	Engagement Team	Jacob Gifford
Council Clerk		Stacey Boumis
Grounds	Grounds Team	Jess Griffith
Facilities	Facilities Team	Tim Ross
Service Department	Service Dept Team	Kyle Inland
Research & Development	R&D Team	Bill Baker

Franklin Soil & Water Conservation District (FSWCD Teams)	
Education Team	Linda Pettit & Amy Tressler
Outreach Team	Kori Gasaway, Sara Ernst, and Mikaela Mohr
Urban Team	Dave Reutter, Brooke Frusher, and Erika Towne
Geomatics Team	Josh Garver & John Bailey

MCM 1 PUBLIC EDUCATION AND OUTREACH											
Rationale: To address this minimum control measure the City will continue to implement a public education and outreach program. The small size of the City and strong connection with the residents and businesses will allow the City to contact most, if not all, of the households and businesses over the permit term. When selecting BMPs and themes for this minimum measure community, demographics, land use, potential pollution sources, TMDLs, stormwater system information, and community resources were considered. Based on a review of available water quality data and community description the following have been identified as priority pollutants for this public education and outreach; Sediment and Erosion; Commercial and Household Hazardous Waste/IDDE; Nutrients and Bacteria											
The program will target residents, households, businesses, and students K-12. Consideration will be given to specific groups within the City including residents along streams and ditches, local scout troops, outdoor enthusiasts, and other community organizations. Community interests and activities include hunting, fishing, gardening, and recreation. These activities and areas of interest will be utilized for outreach and education events.											
BMP	Measurable Goal	Mechanism	Activities Summary	Theme	Schedule	Targeted Audience	Performance Metrics	Tracking Parameter and Documentation	Responsible Party	ID	TMDL
Education Targeted to Homeowners and Residents	Work with partners to reach ~50% of Obetz residents in five years, using a suite of Print and Online Media and In-Person Communications, that touch on the five educational themes, target stormwater and any applicable TMDL issues.	Print and Online Communications	Frankly Speaking Newsletter a. Provide newsletter by mail and e-mail b. Increase targeted audience subscriptions at Community Events c. Promote MCM 2 Activities	All 5 themes (2 per Year)	2 each Year	Residents & Homeowners	a. 27 residents per year b. <1% of residents per year c. Increase to 1% of residents over 5 years (45 residents)	a. # of residents reached / newsletters distributed b. List of topics / SWMP theme c. Increased subscriptions d. Copy of Newsletters e. Copy of e-Newsletter	FSWCD Outreach Team	1-01	Nutrients, Pathogens, Sediment, Habitat
			Backyard Conversations e-Newsletter a. Publicize and communicate stormwater program and themes b. Increase targeted audience subscriptions at Community Events c. Promote MCM 2 Activities	All 5 themes (1 per Month)	1 per Month		a. 10 residents per year b. <1 % of residents per year c. Increase to 1% of residents over 5 years (45 residents)	a. # of residents reached / e-newsletters distributed b. List of topics / SWMP theme c. Increased subscriptions d. Copy of “Backyard Conversations” e-Newsletters	FSWCD Outreach Team	1-02	
			Social Media Posts a. Publicize and communicate stormwater program using online communication social media platforms (Facebook, Instagram, Twitter, etc.) b. Increase targeted audience subscriptions at Community Events c. Promote MCM 2 Activities	All 5 themes	4 each year		a. # of followers on Obetz Social Network (~2800 on Facebook; ~400 on Instagram; ~350 on Twitter) b. ~60% of City residents	a. # of followers b. Type of media used c. List of topics / SWMP theme / Copy of any Media promoting stormwater program d. Increased subscriptions	City of Obetz Community Services & Engagement Teams FSWCD Outreach Team	1-03	
			E-newsletter Articles / Advertisements a. Publicize and communicate stormwater program using articles in City e-newsletter addressing stormwater program	All 5 themes (1 per Year)	At least once per Year		a. ~700 residents per year b. 15.5% of residents per year	a. # of residents reached /magazines distributed b. List of topics / SWMP theme c. Copy of article(s)		1-04	
			Education Kiosk a. Maintain display kiosk at Vance Outdoors store; stock kiosk with stormwater messaging geared towards customers and residents. b. Promote MCM 2 Activities	Themes 1, 2, 3 and 5	Twice per Year		a. Estimate of customers reached	a. # of materials stocked b. List of topics / SWMP theme	FSWCD Outreach & Urban Teams	1-05	
			Water Bill Mailer a. Distrubute stormwater messaging to residents via the City water bill.	Themes 1, 2, 3 and 5	Quarterly		a. ~4,500 residents per year b. ~100% of residents	a. # of residents reached b. List of topics / SWMP theme d. Copy of Mailer	City of Obetz Community Services Team	1-06	
			Auto Care Outreach a. Provide messaging on responsible auto care practices (washing vehicles, fixing car leaks, proper disposal of used oil, etc.)	Themes 1 and 2	Once per Permit Term		a. #of residents sent information	a. # of residents reached b. List of topics / SWMP theme d. Copy of Mailer	City of Obetz Community Services Team FSWCD Outreach & Urban Teams	1-07	
			Streamside Landowner Outreach a. Provide stream corridor protection measure materials through mailers.	Themes 1 and 2	Once per Permit Term		a. #of residents sent information	a. # of residents reached b. List of topics / SWMP theme d. Copy of Mailer	City of Obetz Community Services Team FSWCD Staff	1-08	
			IDDE Mailer a. Provide information addressing the proper maintenance of HSTS	Theme 1	Once per year		a. Reach 100% of households that have a HSTS (24)	a. # of residents reached / materials distributed b. Copy of event outreach materials	Obetz; FSWCD; FCPH	1-09	

		Workshops and Community Events	Community Backyards Program a. Provide workshops with materials on benefits of rain gardens, rain barrels, composting, native plants and trees, and good lawn care. b. Highlight backyard conservation rebate program, rain garden cost-share, and annual FSWCD tree sale.	Themes 1, 2, 3 and 5	Annually		a. ~10 residents per year b. ~0.25% of residents per year c. ~1.25% of residents over 5 year permit term	a. # of workshops, location, date b. # materials distributed c. # of residents participating in in-person workshops d. # of residents participating in online workshops e. SEE MCM 2 - # of residents using the rebate f. Hot Cards / Flyers g. Workshop Handouts h. Workshop Registration Lists	FSWCD Outreach Team	1-10	Nutrients, Pathogens, Sediment, Habitat
			Community Events a. Distribute materials on various stormwater themes and programs (e.g. Community Backyards, PUP) at an informational booth at community events. b. At these events, increase targeted audience subscriptions for Print and Online Media - (sign-up for Frankly Speaking, Backyard Conversations, Social Media) c. Promote MCM 2 Activities	All 5 themes	Once per Year		a. ~10 residents per year b. ~0.25% of residents per year c. ~1.25% of residents over 5 year permit term	a. # of events, location, date b. # materials distributed and topics covered c. # of residents participating in in-person workshops d. # of residents participating in online workshops e. Copy of event outreach materials	City of Obetz Community Services Team FSWCD Outreach Team	1-11	
Education Targeted to Business Community	Work with partners to reach out to 100% of Obetz businesses over the permit term with educational materials that encourage use of best management practices in their daily operations and education of their employees about stormwater issues.	Printed Communications	Water Quality Partner Program a. Provide mailer with information regarding Water Quality Partner Program and steps business can take to protect our waterways b. Highlight pledge and area wide recognition for business when they sign up	Themes 1, 3, 5	Once per Year	Business Owners and their Employees	a. ~150 businesses yearly	a. # of materials distributed b. Copy of Mailers c. Copy of Hot cards / Flyers d. Tracking of Pledges	FSWCD Outreach & Urban Teams	1-12	Nutrients, Pathogens, Sediment, Habitat
Education Targeted to the Development Community	Work with partners to reach 100% of the development community who work within Obetz in five years, providing a number of newsletters, outreach materials, and in-person workshops that touch on the proper installation and maintenance of stormwater controls and any applicable TMDLs.	Print and Online Communications	Urban Review Newsletter a. Provide Urban Review Newsletter to all of the development community	All 5 themes	Quarterly	Development Professionals	a. ~1,500 subscribers per year	a. # of development community reached /newsletters distributed b. List of topics / SWMP theme c. Copy of Newsletters	FSWCD Urban Team City of Obetz Community Services & Utility Teams	1-14	Nutrients, Pathogens, Sediment, Habitat
			Water Quality Partner Poster & Handouts a. Distribute posters and handouts to active construction sites to help educate in-field workers.	Themes 1 and 4	Annually		a. # of materials distributed	a. # of development sites reached /materials distributed b. Copy of outreach materials		1-15	
		Workshops and Webinars	Urban Conservation Program Address stormwater topics by providing access to a. Webinars (Center for Watershed Protection, etc.); b. Workshops (Brown Bag Discussions).	All 5 themes	Annually		a. 150 to 200 attendees per year b. 750 to 1000 attendees over 5 years	a. # of and type of events b. # of Attendees c. Copy of Flyer / Advertising d. Copy of event sign-ins		1-16	
Education Targeted to Students and Teachers	Work with partners to reach 50% of students and teachers within the Hamilton Local School District in five years, providing environmental education on stormwater topics in relation to the Big Walnut Creek TMDL and Ohio State Science Standards	Programming	In Class and In Field a. Provide stormwater related programming	All 5 themes	Annually	Students	a. 200 students per year	a. # of Students reached b. Topics covered / Copy of Program Flyer	FSWCD Education Team	1-17	Nutrients, Pathogens, Sediment, Habitat
		Printed Communications	SWIFT Newsletter a. Provide newsletter by mail and e-mail b. Provide stormwater related educational program materials to teachers for use in class		Semi-Annually	Teachers	a. ~140 teachers per year	a. # of teachers reached b. # of kits provided to teachers c. # Students Reached d. Topics provided e. Copy of Newsletters		1-18	

MCM 2 PUBLIC INVOLVEMENT AND AND PARTICIPATION										
Rationale: To address this MCM the City will engage in a SWMP that allows for and encourages community participation. Stakeholders include residents, businesses, and community groups. The City will seek comments on the SWMP by advertising completion of the plan on the website. The plan will be an opportunity to educate the public about existing stormwater management opportunities and the City's SWMP. Additional public involvement activities are identified using the decision process information in Public Education and Outreach under the MCM 1 tab.										
BMP	Measurable Goal	Mechanism	Targeted Audience	Activities Summary	Schedule	Estimate of People to Participate	Tracking Parameter and Documentation	Responsible Party	ID	TMDL
Citizen Volunteer Events	Work with the community to hold events that promote the clean-up and restoration of watershed habitat and better water quality	In-Stream Activity	Residents	Stream Clean-up a. Work with community groups to hold an event, providing support for trash pick-up. And/OR..	One Activity Per Year	a. 10 per year b. 50 over 5 years	a. # of participants b. # bag debris c. sign-In Sheets d. photos	City of Obetz Community Services Team FSWCD	2-01	Nutrients, Pathogens, Sediment, Habitat
		Restoration Activity		a. Work with community groups to hold an event, providing support for tree planting and invasive removal. And/OR..			a. # of participants b. area of invasive removed c. # trees / plants planted		2-02	
		Stormwater Management Activity		Storm Drain Labeling (or similiar activity) a. Work with community groups to hold an event, providing support for catch basin labeling			a. # of participants b. # catch basins labeled		2-03	
Conservation Implementation	Work with partners to provide an annual community-wide program on stormwater management where residents are incentivized to implement practices in their own backyard	Rebate Incentives	Residents	Community Backyards Program a. Provide incentive (rebates on materials) to implement stormwater practices such as rain gardens, rain barrels, composting, native plants, and good lawn care practices.	Annually	a. 5+ per year b. 25 over 5 years	a. # of residents participating b. # of residents using the incentive	FSWCD Outreach Team	2-04	Nutrients, Pathogens, Sediment, Habitat
		Cost-Share Program		Rain Garden Installation a. Residents who live in a participating area may receive up to \$250 for installing a rain garden at their residence. b. Advertise program and cost share successes through social media, flyers, gardening for clean water and community backyards.		a. Raingarden education to at least 10 residents b. 3 cost-shares over the permit term			2-05	
Conservation Commitments	Obtain conservation commitments from education program participants.	Pledges	Businesses	Water Quality Partner Program a. Recruit businesses to work to keep the waterways that flow through our communities healthy by using best management practices in their daily operations and by educating their employees about stormwater issues through direct mailing, newsletters, and recognition.	Annually	a. 1-2 businesses per year b. 1% yearly adoption rate c. 5% of business adoption over 5 years	a. # of businesses participating	FSWCD Outreach & Urban Teams	2-06	Nutrients, Pathogens, Sediment, Habitat
		Survey Pledge Quiz	Residents	Be the Change for Clean Water a. Track survey results on the Be The Change for Clean Water website by zip code. b. Advertise survey through printed and online media, and at community events. Stormwater Awareness Week Pledge a. Track pledge results by zip code. b. Advertise pledge through printed and online media, and at community events.		a. 5 residents annually	a. # of residents participating		2-07	
Waste & Recycling Events	Work with the community and partners to hold events that promote proper waste disposal and recycling.	Drop-off	Residents	a. Hold annual spring clean-up & tire recycling event for residents. b. Work with partners to promote other hazardous and electronic waste collection events by SWACO	Annually	a. 30 residents per year b. 150 residents over 5 year permit term	a. # of participants b. # of tires collected and lbs. of waste if applicable c. Copy of outreach materials	City of Obetz Community Services Team	2-08	Nutrients, Pathogens, Sediment, Habitat
Public Input	Provide an opportunity for and consideration of public input into stormwater management plan.	Website	Residents and Bussinesses	a. Make the plan available for public comment on the City website b. Share the plan with stakeholders and other interested groups c. Share plan and allow for input at a public forum such as a Council meeting.	Ongoing	a. 10 residents annually	a. # of participants/comments b. Website c. Residents comment	City of Obetz Community Services Team	2-09	Nutrients, Pathogens, Sediment, Habitat

***Obetz will hold 5 events using at least three of the following BMP's over the permit term.

MCM 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

Rationale: The City of Obetz is a relatively small municipality that is nearly completely served by sanitary sewer systems. In 2016 there were eleven known home sewage treatment systems (HSTS) located within the municipal boundary. Of those eleven systems, six are septic-to-leach, which have a lower rate of causing possible effluent discharges than aeration systems. Of the remaining five, one of the discharging systems discharges to the City of Columbus’s MS4 and the other four discharge to a waterway.

The City of Obetz maintains accurate mapping of their MS4 as well as surface water that flows through their jurisdiction. They have also completed dry weather screening (DWS) of MS4 system components in addition to all of their MS4 outfalls. Only a limited number of locations were identified as potential illicit issues. Obetz has found their current approach to addressing illicit discharges positive. They will continue with their current approach and maintain the core of MCM III efforts as a strong working relationship between the City, FSWCD and FCPH, dry weather screening, as well as providing education to employees, businesses and the general public on stormwater and stormwater pollution topics - please reference sections MCM I and MCM II in this Stormwater Management Plan.

In addition to the required parameters of their stormwater permit, the City of Obetz has undertaken some stream-way inventories to assist in identifying locations of possible stream restoration projects and possible retrofit sites. The intent of these inventories is to help stabilize stream banks and reduce erosion contributing sediment loads to the streams while at the same time, providing a framework to target educational outreach efforts throughout the City. In addition, the City will explore the feasibility of conducting a dumpster inventory and providing outside spill kit stations to warehouses with high volumes of semi traffic. The rationale behind these ideas is to limit additional potential water quality degradation and to target educational opportunities.

While there are no applicable TMDLs for the watersheds within Obetz, the screening of outfalls containing discharges from HSTS, and the stream-way inventories address the bacteria, nutrient and sediment issues highlighted in the water quality studies conducted for the watersheds within Obetz. Addressing illegal dumping and promoting pollution education and reporting will help address the chemical pollution (toxicity) as well as yard waste (nutrients) highlighted in the water quality studies.

BMP	Measurable Goal	Activities Summary	Schedule	Tracking Parameter and Documentation	Responsible Party	ID
Ordinance or Other Regulatory Mechanism	The City of Obetz has enacted ordinances to prohibit illicit discharges. The City will work to review and update as necessary, evaluating effectiveness annually.	a. Chapter 951 addresses illicit discharges and illegal connections to the MS4 system (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24395#JD_951) b. Review & update as necessary to ensure language remains compliant with Ohio EPA requirements	Annually	a. Completed Y/N b. Effective Y/N c. Summary of Activities d. Copy of Ordinance	City of Obetz Community Services Team	3-01
Storm Sewer System Map	The City of Obetz has a municipal storm water system mapped in a GIS along with the names and locations of all surface waters of the State that receive discharges from the City’s MS4. The City will work to update mapping as new construction is undertaken or as otherwise needed.	a. Update and maintain comprehensive storm sewer map b. Show location of outfalls and names and location of surface waters receiving discharges from these outfalls c. Include catch basins, pipes, ditches, flood control facilities, and post construction SCM's installed since 2003 (public and private). d. Post-construction BMPs shall be identified by type of practice (e.g., wet extended detection basin, bioretention, etc.).	Annually	a. Completed Y/N b. Effective Y/N c. Summary of Activities d. Copy of Map	City of Obetz Utility & Enginerring Teams FSWCD Geomatics Team	3-02
HSTS Mapping and List	The City of Obetz will maintain and update a HSTS map within a GIS and an active list will be made available to the OEPA and Franklin County Health Department.	a. Maintain and update HSTS map and list with new systems as needed	Annually	a. Completed Y/N b. Effective Y/N c. Summary of Activities d. Copy of Map and List	City of Obetz Utility & Enginerring Teams	3-03
IDDE Plan	The City of Obetz developed an “Illicit Discharge Detection and Elimination Plan” document that outlines the measures the City is taking to prohibit, detect and eliminate illicit discharges into their municipal separate storm sewer system. The City will review annually and update as necessary.	a. Update and maintain a plan to detect and eliminate non-storm water discharges, including illegal dumping to the MS4.	Annually	a. Completed Y/N b. Effective Y/N c. Summary of Activities d. Copy of Plan	City of Obetz Utility Team FSWCD Geomatics Team FCPH Nathan Ralph	3-04
Dry-Weather Screening of Outfalls	The City of Obetz has outlined its approach to Dry Weather Screening and the City's approach to tracing illicit discharges within the IDDE Plan. The City will carry on its annual inspection continuing the long term surveillance via screening for discharges or signs of discharges as dry weather restrictions allow.	a. Continue with long-term surveillance of outfalls via dry weather screening b. Dry weather screen 100% of outfalls over the 5-year permit term c. Where an applicable TMDL exists for nutrients, E. coli, bacteria, DO or organic enrichment, water quality testing for unknown sources of dry-weather flows will be conducted	Annually	a. Completed Y/N b. Effective Y/N c. Total # of MS4 Outfalls d. # Outfalls Screened e. # of Outfalls where Dry Weather Flows were Identified f. # of Outfalls where Illicit Discharges were Identified / Eliminated g. # of illicit discharges identified / eliminated through other methods h. Summary of Activities	FSWCD Geomatics Team	3-05
Education Outreach & Training	See MCM 1-09 for Public Education and Outreach					3-06
	See MCM 6-01 for Employee Training					

MCM 4 CONSTRUCTION SITE STOMWATER RUNOFF CONTROL

Rationale: The City will continue to develop, implement and enforce a program to reduce pollutants to control construction site runoff on construction sites that result in in accordance with the most current general construction permit.

In order to control polluted runoff from construction sites and target TMDLs, the City uses existing zoning and building codes and state regulations to require and enforce erosion and sediment controls at construction sites, including sanctions and enforcement mechanisms. The ordinances will be reviewed to ensure continued compliance with the most current NPDES general construction and MS4 general permit language.

As a requirement of the NPDES general stormwater permit, all on-site operators are to maintain records and reports that keep track of the inspections completed by the on-site operator. The City of Obetz has developed procedures for site inspection and enforcement of control measures to deter infractions. Inspections give the City an opportunity to provide additional guidance and education, issue warnings, or assess penalties.

The City will track the receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities, both written and verbal. This will recognize the important role that the public can play in identifying cases of noncompliance. To ensure sites are inspected for erosion and sediment control as well as for stormwater pollution prevention and are in compliance with all current regulations, the building department will inspect all active, permitted construction sites on a regular basis. If any of the sites are found to be out of compliance, the Building Department will enforce the regulations and implement penalties as necessary.

BMP	Measurable Goal	Activities Summary	Schedule	Tracking Parameter and Documentation	Responsible Party	ID
Ordinance or Other Regulatory Mechanism	Continue to use and enforce existing ordinances that require erosion and sediment controls.	a. Chapter 1164 of the codified ordinances covers erosion and sedimentation control regulations (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24622#JD_1164) b. Chapter 1137 of the codified ordinances covers site development plans, engineering plans, and stormwater pollution prevention plans. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-12179) c. Section 1115.13 of the subdivision regulations addresses surface water, erosion, and sedimentation control. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-11173#JD_1115.13) d. Update as necessary to ensure code remains compliant with Ohio EPA requirements	Annually	a. Completed Y/N b. Effective Y/N c. Summary of Activities d. Copy of Ordinance	City of Obetz Community Services, Utility, and Engineering Teams	4-01
Sediment and Erosion Control Requirements	Continue to use existing standards for sediment and erosion and waste disposal requirements.	a. Section 1115.13 of the subdivision regulations addresses surface water, erosion, and sedimentation control. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-11173#JD_1115.13) b. Standards employed are as stated in the latest version of the Rainwater and Land Development Manual and the current Ohio EPA NPDES General Construction Permit. c. Update as necessary to ensure code remains compliant with Ohio EPA requirements	Ongoing	a. Completed Y/N b. Effective Y/N c. Summary of Activities d. Copy of Ordinance / Requirements	City of Obetz Community Services, Utility, and Engineering Teams	4-02
Complaint Process	Ensure the existing process is updated and followed that allows for receipt and consideration of sediment and erosion complaints by the public that are tracked and 100% followed-up on	a. Review and update complaint process as necessary b. Track and follow-up on 100% of complaints received	Ongoing	a. Completed Y/N b. Effective Y/N c. # of Complaints Received / Followed-up On d. Summary of Activities e. Copy of Complaint Process	City of Obetz Community Services, Utility, and Engineering Teams	4-03
Site Plan Review Procedures	Follow existing procedures for stormwater pollution prevention plan (SWPPP) review which incorporate consideration of potential water quality impacts, recording the number of sites applicable and number of plans reviewed	a. Review construction plans for issues related to soil erosion and sediment control practices b. Ensure plans follow sediment and erosion control requirements c. Use checklist to review SWPPPs and retain all documentation pertaining to review	Ongoing	a. Completed Y/N b. Effective Y/N c. # of Applicable Sites Requiring Plans d. # of Plans Reviewed e. Summary of Activities	City of Obetz Utility Team FSWCD Urban Team	4-04
Site Inspection Procedures	Follow existing procedures for site inspection of sediment and erosion control requirements, recording the number of applicable sites, the number of inspections performed, and the average frequency of inspections	a. Perform site inspections from approved SWPPP b. Recommend necessary changes to appropriate developer representative c. Perform additional site inspections as necessary to ensure compliance d. Follow guidelines and escalation process to ensure enforcement at noncompliant sites	Bi-weekly	a. Completed Y/N b. Effective Y/N c. # of Applicable Sites d. # of Inspections Performed e. Average Frequency f. Summary of Activities	City of Obetz Utility Team FSWCD Urban Team	4-05
Enforcement Procedures	Follow existing procedures for enforcement of sediment and erosion control requirements, recording the number of violation letters sent and the number of enforcement actions taken	a. Section 1164.10 of the codified ordinance covers enforcement (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24860) b. Issue verbal and written notice of violations when inspected	Ongoing	a. Completed Y/N b. Effective Y/N c. # of Violation Letters d. # of Enforcement Actions e. Summary of Activities	City of Obetz Community Services, Utility, Engineering, and Law Teams FSWCD Urban Team	4-06

MCM 5 POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT						
<p>Rationale: The City will address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre with controls that prevent or minimize water quality impacts. This may include retrofits to existing basins to improve the water quality of the runoff and decrease the amount of water quantity going into the receiving stream. This may also include an educational component on the specifics of what best management practices will best accomplish these retrofits and what best management practices will accomplish post construction stormwater management on new development sites.</p> <p>To guide new developments, the City will reference existing stormwater manuals to encourage the use of best available technology. The Franklin County Storm Water Manual, the Columbus Storm Water Manual, Rain Water Land Development Handbook and ODOT/ TARP approved devices include both structural and nonstructural SCPs. To promote post construction non-structural SCPs and target TMDLs, Obetz will establish and revise policies and/or ordinances that direct growth away from environmentally sensitive areas and encourage the use of green infrastructure.</p> <p>Operation and maintenance plans are required for all post-construction SCPs, which includes an agreement that clearly identifies who is the responsible party for maintaining the SCP. Ensuring that proper long term controls on stormwater management that address infiltration and water quality treatment are installed and maintained properly, there will be a reduction in nutrients, bacteria, and toxicity entering our streams. When selecting BMPs for this minimum control measure community demographics, land use, potential pollution sources, TMDLs, existing water quality and stormwater system information will be considered.</p>						
BMP	Measurable Goal	Activities Summary	Schedule	Tracking Parameter and Documentation	Responsible Party	ID
Ordinances and other Regulatory Mechanisms	Continue to use and enforce existing ordinances that address post-construction runoff.	<p>a. Chapter 1363 addresses Nuisance Control and has broad use to ensure storm water controls are maintained. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-26119#JD_1363)</p> <p>b. Chapter 1164 of the codified ordinances covers erosion and sedimentation control regulations (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-24622#JD_1164)</p> <p>c. Chapter 1137 of the codified ordinances covers site development plans, engineering plans, and stormwater pollution prevention plans. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-12179)</p> <p>d. Section 1115.13 of the subdivision regulations addresses surface water, erosion, and sedimentation control. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-11173#JD_1115.13)</p> <p>e. Update as necessary to ensure code remains compliant with Ohio EPA requirements</p>	Ongoing	<p>a. Completed Y/N</p> <p>b. Effective Y/N</p> <p>c. # of Applicable Sites Requiring Post Construction SCPs</p> <p>d. # of Plans Reviewed</p> <p>e. Summary of Activities</p>	City of Obetz Community Services & Engineering Teams	5-01
Post-Construction Requirements	Continue to use existing standards for construction site operators to implement appropriate post-construction SCPs. Encourage the use of non-structural SCPs and green infrastructure to help improve the water quality of the stormwater runoff.	<p>a. Review and update (as necessary) post-construction requirements to ensure compliance</p> <p>b. Provide information to permit applicants regarding post-construction requirements and non-structural and structural SCPs at the time of permitting</p>	Ongoing	<p>a. Completed Y/N</p> <p>b. Effective Y/N</p> <p>c. Summary of Activities</p> <p>d. Copy of Ordinance / Requirements</p>	City of Obetz Utility Team	5-02
Site Plan Review Procedures	Review every site plan against post construction requirements listed in the OEPA’s Construction General Permit (CGP) and applicable City ordinances. Record the number of applicable sites requiring post-construction controls and the number of plans reviewed.	<p>a. Review construction plans for issues related to post-construction control practices</p> <p>b. Ensure plans follow post-construction control requirements</p> <p>c. Complete Operation and Maintenance Plan review for post-construction control practices</p> <p>d. Review Operation and Maintenance Agreements</p>	Ongoing	<p>a. Completed Y/N</p> <p>b. Effective Y/N</p> <p>c. # of Applicable Sites Requiring Post Construction SCPs</p> <p>d. # of Plans Reviewed</p> <p>e. Summary of Activities</p>	City of Obetz Utility & Engineering Teams	5-03
Site Inspection Procedures	Follow existing procedures for site inspection of post-construction control requirements, recording the number of inspections performed, and the average frequency of inspections.	<p>a. All post-construction structural and non-structural SCPs will be inspected during implementation and prior to acceptance of the project by the City to ensure the SCPs are functioning properly.</p> <p>b. Conduct annual follow-up to private owners, requesting documentation of inspection and maintenance of post-construction SCPs</p> <p>c. The City will inspect all post-construction SCPs at least once during the 5 year permit and as needed to ensure compliance.</p>	Ongoing	<p>a. Completed Y/N</p> <p>b. Effective Y/N</p> <p>c. # of Inspections Performed at project completion to verify controls built per requirements</p> <p>d. # of Long-Term O&M Inspections Performed by MS4 and # performed by private owner</p> <p>e. Average Frequency</p> <p>f. Summary of Activities</p>	City of Obetz Utility & Engineering Teams	5-04

Enforcement Procedures	Follow existing procedures for enforcement of post-construction control requirements, recording the number of violation letters sent and the number of enforcement actions taken.	a. Chapter 1363 addresses Nuisance Control and has broad use to ensure storm water controls are maintained. (https://codelibrary.amlegal.com/codes/obetz/latest/obetz_oh/0-0-0-26119#JD_1363) b. Issue verbal and written notice of violations when inspected	Ongoing	a. Completed Y/N b. Effective Y/N c. # of Violation Letters d. # of Enforcement Actions e. Summary of Activities	City of Obetz Community Services, Utility, Engineering, and Law Teams FSWCD Urban Team	5-05
Long-Term O&M Plans/Agreements	All new construction and redevelopment sites with stormwater infrastructure shall have a Long-Term Operation and Maintenance (O&M) plan.	a. During post construction meeting ensure O&M agreements are in place and responsibilities are understood	Ongoing	a. Completed Y/N b. Effective Y/N c. # of Sites Requiring Agreements d. # of Plans Developed and Agreements in Place e. Summary of Activities	City of Obetz Utility & Engineering Teams FSWCD Urban Team	5-06

MCM 6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS							
Rationale: The City of Obetz has one fleet management facility that requires a stormwater pollution prevention plan. This facility is shared by both the Parks and Streets Department. The facility was built in 2002 and designed with outlets to sanitary sewer and a stormwater detention basin. The facility is well maintained and organized. Due the small size, low turnover, and informal nature of the staff, there are few written procedures.							
In addition to this facility there is a community center, water plant, government center which includes the police department, and several community parks. There are opportunities for demonstration rain gardens, rain barrels, bioswales, and detention basin water quality retrofits throughout City facilities.							
BMP		Measurable Goal	Activities Summary	Schedule	Tracking Parameter and Documentation	Responsible Party	ID
Employee Training Program		Hold or attend one workshop on preventing or reducing pollutant runoff from municipal operations annually for employees involved with park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and/ or stormwater system maintenance.	a. Hold good housekeeping workshop that is appropriate for each department and its specific job duties b. Detailed hands-on training for City staff members on sediment and erosion control c. Walk through facility SWPPP d. If a TMDL exists for nutrients, E. coli, bacteria, DO or organic enrichment, staff will receive annual training on IDDE	Annually	a. Completed Y/N b. Effective Y/N c. Topics d. Target Audience e. # of Employees Attended f. Summary of Activities	City of Obetz Community Services, Utility, and Service Dept Teams	6-01
List of Facilities Subject to Program		Review and update facilities list and SWPPP as necessary. Complete quarterly site inspections of Maintenance Facility at 4100 Orchard Lane, Obetz, Ohio	a. Update SWPPP, O&M procedures, and list of subject facilities as needed b. Perform quarterly facility inspections	Annually	a. O & M Procedures Developed Y/N b. # Facility Inspections Performed c. Frequencies of Such Inspections d. Inspection Forms	City of Obetz Community Services, Utility, and Service Dept Teams	6-02
MS4 Maintenance		Ensure storm sewer infrastructure is maintained.	a. Maintain regular schedule for cleaning catch basins, structures, and oil-water separator. b. Follow stabilization timelines as outlined in the OEPA CGP for all construction projects; bare soil associated with ditch maintenance should be stabilized according to the timeline on page 19 of the MS4 permit.	Annually	a. Summarize Maintenance Activities and Schedules b. Summarize Activities Performed	City of Obetz Utility Team	6-03
Proper Stormwater Practices for City Maintenance Activities	Disposal of Wastes	Review and update written procedures. 100% of all collected leaves, tires, oil and hazardous chemicals disposed of properly and/or recycled.	a. Maintain annual list of wastes disposed b. Document how wastes are disposed; including amounts and disposal location(s) c. Maintain procedures for proper waste disposal	Annually	a. Procedures Developed Y / N b. Amounts of Wastes Properly Disposed	City of Obetz Service Dept Team	6-04
	Road Salt	Properly apply salt in a way that minimizes usage. Keep salt piles under cover and ensure brine tanks (if used) have secondary containment or alternatively, bollard or barrier protection.	a. Document tons of salt used each year b. Maintain or refine procedures for reducing salt use	Annually	a. Salt Storage Covered Y / N b. Tons Used c. Gallons (and concentration) of Brine Used, if applicable d. # of Lane Miles Treated e. Measures Taken to Minimize Usage		6-05
	Pesticide and Herbicide Usage	Properly manage use of pesticides and herbicides	a. Document amount of pesticide and herbicide used b. Maintain procedures for reducing pesticide and herbicide use	Ongoing	a. Procedures Developed Y / N b. Gallons and/or Pounds Used c. Measures Taken to Minimize Usage	City of Obetz Grounds Team	6-06
	Fertilizer Usage	Decrease use of fertilizer	a. Document general areas where fertilizer is applied b. Document amount of fertilizer used c. Maintain procedures for reducing fertilizer use	Ongoing	a. Procedures Developed Y / N b. Gallons and/or Pounds Used c. Measures Taken to Minimize Usage		6-07
	Street Sweeping	Minimize trash, grits, and other pollutants in the street which may be transferred to the stormwater system.	a. Minimize trash, grits, and other pollutants in the street which may be transferred to the stormwater system b. Document and maintain street sweeping schedule c. Record amount of material collected and disposed, if possible	Annually	a. Procedures Developed Y / N b. Amount of Material Collected and Properly Disposed	City of Obetz Service Dept Team	6-08
Flood Management Projects		Ensure storm water management is considered for all flood management projects.	a. Track new or existing flood management projects assessed for impacts on waterways	Ongoing	a. Summarize any new or existing Flood Management Projects that were Assessed for Impacts on Water Quality	City of Obetz Engineering & Utility Teams	6-09