



SENT TO EPA

Liberty Township SWMP
 NPDES Small MS4 General Permit
 (OHQ000003) 2014-2019

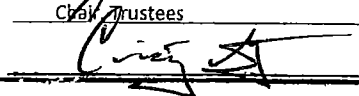
Small MS4 Years:	September 11, 2014-September 10, 2019- ADOPT BY NOVEMBER 1, 2016, SEND TO EPA BY DECEMBER 22, 2016				
Ohio EPA Facility Permit Number:	4GQ00034*BG				
Name of MS4:	Liberty Township, Fairfield County, Ohio				
Primary Contact:	Craig Getz	Title:	Chair, Trustee		
Mailing Address:	2060 Reynoldsburg Baltimore Road NW				
Township:	Baltimore	Zip Code:	43105	County:	Fairfield
Telephone Number:	740-862-6691	Email Address:	fairfieldlibertytownship@gmail.com		

Include or attach a Table of Organization. Indicate who (name and contact information) is responsible for overall management and implementation of your program, and if different, each minimum control measure of your program; identify how development and implementation across multiple positions, agencies and departments occur. Also, identify any Memorandum of Understandings (MOUs) or other such agreements that exist.

Trustees-	Craig Getz-Chair, Trustees-Overall Manager, (740) 862-6085
Zoning-	Jim Anthony,-Coordinator for Zoning and DESC Permitting, Inspections, post-construction BMP inspections, (740) 862-8832 or (740)503-5826
Roads-	Dave Keller, Coordinator for storm sewer repair and maintenance, (740) 808-6543
FCC-	Carri Brown, MBA, County Administrator, (740) 652-7090
FCU-	Tony Vogel, PE, Fairfield County Utilities, central sewer and IDDE, (740) 652-7120
FDH-	Larry Hanna, RS -HSTS, IDDE, Fairfield Department of Health, (740) 652-2800
FSWCD-	Jonathan Ferbrache, PLA CPESC, Resource Specialist, Fairfield Soil and Water Conservation District, by agreement. (740) 653-8154
FE-	Jason Grubb, Road Supervisor Fairfield County Engineer by service territory (740) 652-2300
RPC-	Holly Mattei, Fairfield County Regional Planning Commission (740) 652-7110
Sheriff-	Deputy Hummel, Fairfield County Sheriff (740) 652-7900
FCLR-	Chad Reed, Fairfield County Litter and Recycling (740) 681-4423
Prosecutor-	Jason Dolin, Fairfield County Prosecutor (740) 652-7560

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

Print Name: Craig Getz, Chair
 Print Title: Chair, Trustees

Signature:  Date: 8/15/2016

NOI's
 Ohio Environmental Protection Agency
 Office of Fiscal Administration
 P.O. Box 1049
 Columbus, Ohio 43216-1049

Annual Reports * Annual Reports are due annually on or before April 1st
 Ohio Environmental Protection Agency
 Division of Surface Water
 Storm Water Program - Small MS4
 P.O. Box 1049
 Columbus, Ohio 43216-1049

- SWMP Supporting Documents
- A Township & County Authority and supporting ordinance and policy
 - B SWCD-General Agreement
 - C Department of Health-OAC 3701-29 and ORC 3718
 - D IDDE Plan
 - E Storm Water Map
 - F HSTS Map and List
 - G SWCD-DESC Agreement for Zoning DESC, RPC Regulations
 - H DESC/OEPA-Inspection Forms
 - I Post Construction WQ Agreement
 - J Stepped Enforcement Protocol
 - K Service Facilities SWP3
 - L Zoning Code
 - M Copy of MS4 Permit
 - N Copy of the General Construction Permit
 - O Floodplain Regulations-kept with Fairfield County Regional Planning



LIBERTY TOWNSHIP SMALL MS4 SWMP

Executive Summary

Liberty Township is required to submit a Storm Water Management Plan (SWMP) in conjunction with a "Notice of Intent for Coverage under Ohio Environmental Protection Agency General Permit". This document outlines the Township's program to develop, implement and enforce a SWMP designed to reduce the discharge of pollutants to the maximum extent practicable, to protect water quality, and to satisfy the appropriate requirements of the Clean Water Act (CWA) in accordance with the Ohio Environmental Protection Agency (OEPA) National Pollutant Discharge Elimination System (NPDES) Phase II program. The SWMP addresses the Six Minimum Control Measures as required by state regulations. The plan also identifies the Township's legal authority to implement the requirements of the OEPA's general permit.

Legal Authority

The Township has the authority to control the quantity and quality of storm water to its system through its zoning regulations and right of way permits. The Township has authorized the Chair of the Board of Trustee's as the responsible party for implementation of the NPDES Phase II Program.

The Township has entered into an agreement with Fairfield Soil and Water Conservation District for assistance in development and implementation of the permit and plan. A recent copy of this Agreement is contained herein as Attachment B.

Permit Coverage Area

The Township has agreed to implement an NPDES Phase II storm water program for Liberty Township Sections 6 and 30R. The area is largely residential and agriculture.

Estimated Permit Area's Total Population:	2010 Census	903	Population	352	Households	2.3	Square Miles Total Area	.50	Miles Square Miles 'Urban Area'
	Section 6=	521	Population	201	Households				
	Section 30R=	382	Population	151	Households				

Reporting Requirements

The Township will submit its required report to the OEPA annually during the permit cycle. The report will include the status of compliance with the permit conditions, an assessment of the appropriateness of the best management practices (BMPs) and progress towards achieving measurable goals for each of the Six Minimum Control Measures. The Township will also summarize all data collected and analyzed during the course of the permit cycle, and include said summary as part of the annual report. A summary of the activities the Township will undertake during the subsequent annual reporting cycle and any changes to the BMPs or measurable goals will be included in the annual report.

Storm Water Management Program

The SWMP outlines the Six Minimum Control Measures that are expected to result in reductions in pollutants discharged by the Township. The Scioto River Basin and Blacklick Creek Areawide Water Quality Management Plan (OEPA, December 2002) contains recent information on several of the creeks and waterways that traverse the adjacent Liberty Township and adjacent Violet Township area. Key waterways in the area include:

- Walnut Creek
- Georges Creek
- Sycamore Creek
- Blacklick Creek
- Poplar Creek

Walnut Creek Areawide Water Quality Plan indicated that the biological communities scored in the very good range. It did note that development was increasing in these watersheds. The portion of Georges Creek within the adjacent Violet Township is considered the upper reaches. According to the Areawide Water Quality Plan, the upper reach



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is "partially" in attainment of the warmwater habitat criteria. The causes of impairment are listed as siltation and flow alteration caused by land development and channelization by development.

Sycamore Creek is largely in full attainment. The Scioto River Basin and Blacklick Creek Area-wide Water Quality Management Plan also identifies urban run-off as identified as a source of concern within the Sycamore Creek watershed.

The Scioto River Basin and Blacklick Creek Area-wide Water Quality Management Plan identifies several sources of impairment, including removal of riparian habitat, suburbanization, onsite wastewater systems and major municipal point sources (wastewater treatment facilities).

The approach of this SWMP will be to primarily reduce sedimentation and organic enrichment where possible in light of natural conditions that cause partial aquatic life use impairment on the Poplar Creek downstream of the MS4 area. ODEP Total maximum Daily Load for the Walnut Creek Watershed, Final report date February 2, 2010.

This Storm Water Management Plan (SWMP) is to meet the requirements of the NPDES Phase II and support Appendix 13 of the "Scioto River Basins and Blacklick Creek Area-wide Water Quality Management Plan.

In light of the above, the major concerns outlines for these waterways are largely development related. The Township's SWMP will address the adverse effects caused by construction (siltation) as well as post-construction concerns such as flow alteration and urban run-off.

The Six Minimum Control Measures are:

1. Public Education/Outreach
2. Public Participation/Involvement
3. Illicit Discharge Detection/Elimination
4. Construction Site Runoff Control
5. Post Construction and Redevelopment Runoff Control
6. Pollution Prevention/Good Housekeeping

Each measure is addressed separately below. Generally, the plan identifies the strategies, existing programs and proposed program for each minimum control measure.



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PUBLIC EDUCATION & OUTREACH

The Township has chosen a mix of BMPs for public education and outreach based on the last permit while developing partnerships with the surrounding MS4 permit holders. This control measure will target homeowners, residents and commercial property owners (these opportunities are limited as it is a residential and agriculture area). There are three general areas that the Township considered when determining the implementation of their public education and outreach program: forming partnerships; using educational materials and strategies; and reaching diverse audiences. The five-year program for the Township is based largely on increasing awareness of how the Township's municipal separate storm sewer system (MS4) functions through information dissemination.

Forming Partnerships

The Township and the Fairfield Soil and Water Conservation District (FSWCD) have entered into a working agreement for the provision of educational materials and guidance. The working agreement also includes other services included within the Six Minimum Controls, and will be addressed in each of those sections. The Chair of the Board of Trustees shall be responsible for the overall management and implementation of the storm water public education/outreach program, through coordination with the FSWCD.

Education Materials and Strategies

The Township has a number of existing programs specifically for the dissemination of information to its citizens. These include an internet web site and publications available to all residents. Surveys of public opinion/perception were conducted at events in September and October of 2014 and the summary of themes was prioritized by the Township following the Fairfield County Regional Planning Commissions Storm Water and Education Advisory Subcommittee on November 2, 2014. Themes with public participation potential are listed below. In coordination with the FSWCD, the Township will develop an educational program to include, but not be limited to:

1	Dog Waste/Goose Waste	2015	Education	(Public Participation-event)
2	Automotive Fluids Disposal	2016	Education	(Public Participation- event with other waste collections)
3	Storm Drain Tags-(limited systems to tag)	2016	Education	(Public Participation-event)
4	Sewage System Failures	2017	Education	
5	Pesticide and Fertilizer Use	2018	Education	(Public Participation-workshop)
6	Salt Usage	2019	Education	
7	Pharmaceutical and Household Hazardous Waste Disposal	Ongoing	Education	(Public Participation –event with other waste collections)
8	Stream Clean Up Event (Adopt a Road Alternate)	Ongoing	Education	(Public Participation-event)

Tracking Success

The Township will track the success of the public education and outreach programs through public surveys, online and at collection events.



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PUBLIC EDUCATION & OUTREACH

Media topic for outreach by year	Measurable Goal	Theme or Message	Target Audience	% of Target Audience to be Reached	Summary of Planned Activities	Proposed Schedule
	Provide direct mailing educational materials to homeowners, residents, and business owners concerning efforts they can undertake to reduce storm water pollution.	<ul style="list-style-type: none"> -Pet Waste and Goose Waste Pollution Reduction -DIY Automotive Fluid Disposal -Septic System Maintenance -Pesticide and Fertilizer Reduction -Ditch Litter Reduction and Pickup -Construction Site Erosion 	<ul style="list-style-type: none"> -Pet owners and property managers -DIY mechanics -Septic tank owners -Homeowners and contract applicators -Property Owner -Contractors/developers 	<ul style="list-style-type: none"> 20% 20% 100% 20% 20% 	Regular articles and education items on postcards.	<ul style="list-style-type: none"> 2015 (2015-2019) 2016 2017 2018 2019 2017*Specific audience requirement
BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached	Summary of Results	Effective (Yes or No)
School Children Education In person	Annually The FSWCD will present to 100% of 7 th grade classes in the Pickerington Local School District on information about storm water and water quality issues. This will typically occur in the second half of each school year. FSWCD will track and report attendance to the Township.	Pollution awareness and what residents can do to help	100% of 7 th grade classes	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD						
Adult Education Print Media	Annually the FSWCD and Township will collaborate on a minimum of one postcard of quick fact or articles annually reaching 20% of homeowners and property managers on topics related to water quality themes established through Public Participation. FSWCD will track and report to the Township.	Pollution awareness and what residents can do to help.	100% of homeowners and property managers in the 5 year permit period	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD						



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BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached	Summary of Results	Effective (Yes or No)
Web based education	Annually the Township will maintain a webpage, with a counter to direct citizens to educational resources and water quality concern reporting. This site will be crossed referenced with the FSWCD website. The Township Zoning will track and count totals for reporting.	Pollution awareness and what residents, property managers, contractors and students can do to help.	50% of the population and contractors working in the Township	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD Townships' contract web support						
Contractor and developer education	Annually the FSWCD will continue to assist in the coordination and promotions for the Central Ohio Storm Water Expo to deliver required information to contractors and developers. FSWCD and the Township will develop a brochure or PDF document on community specific erosion control expectations and standards distributed with each permit package.	Pollution awareness and what residents, contractors and property managers can do to help.	25% of contractors working in the Township	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
Zoning FSWCD						



PUBLIC INVOLVEMENT/PARTICIPATION

The Township recognizes that a successful stormwater program relies not only on the MS4 owners and operators and the regulatory community, but also upon the input, assistance and understanding of the general public. The Township's program includes means and methods to give the public opportunity to play an active role in both the development and implementation of the MS4 permit.

Strategies

The Township has determined that the most efficient and effective means for moving forward on the permitting program is to craft the storm water management program through the Township Trustees, with input from various staff and local agencies. Input from the public is sought annually to refine the program as part of the permitting period.

The five-year program for the Township is based largely on increasing awareness of how the Township's MS4 functions through information dissemination. Once the awareness has been raised, the program is enhanced to include more active public participation. The Township will reinforce existing methods for receiving information from the public and identify opportunities for citizens and civic groups to participate in the process.

The target audience for the program can be divided into two general categories: residential and developers. The residential category has been divided into school age children and adults, new development through developers. The Township will continue to assess its ability to communicate with diverse ethnic populations within its limits.

The Chair of the Township Trustees shall be responsible for the overall management and implementation of the storm water public involvement/outreach program, through coordination with the FSWCD. Monthly there is room for public comments and concerns over storm water at Trustee Meetings, Regional Planning Commission Meetings, Soil and Water Board Meetings along with special meetings through the Zoning Review Board and an annual meeting of the Regional Planning Commission specifically focused on storm water concerns along with agency websites.

The Township will seek involvement and participation events with the public through;

- 1 Pickerington Pet Fest or similar event venue
- 3 Farmers Markets with interactive events and pledge cards that are theme related
- 4 days at the Violet Festival with interactive events and pledge cards that are theme related
- 5 days at the Fairfield County Fair with interactive events and pledge cards that are theme related
- 1 annual road ditch litter collection event coordinated with Basil Joint Fire District, Fairfield County Litter and Recycling the adjacent MS4 community with youth groups and volunteers.
- FCLR
- This is a residential and farm community, so there are few options to reach out to businesses in the Township's MS4 area.



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PUBLIC INVOLVEMENT/PARTICIPATION

BMP (Activity) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People Participated	Summary of Results	Effective (Yes or No)
Public participation through the Storm Water Advisory and Educational Subcommittee	Annually the Township in cooperation with the Fairfield County Regional Planning Commission Storm Water Advisory and Educational Subcommittee will host/publicize at least one public meeting with all MS4 Communities to hear citizen concerns. The Township Zoning will track and report attendance.	Solicit public concerns and correlate with annual water quality complaint or concern lists. Direct invitation by year to: 2015 Property Owners 2016 Contractors and developers 2017 Septic/grease haulers 2018 Lawn care companies 2019 Businesses	Residents, property managers, contractors/developers, septic/grease haulers, lawn care companies and businesses (if they locate to the area in the 5 year period).	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
Zoning FSWCD						
Automotive fluids disposal	Reduce illicit discharges through awareness of disposal locations. Monitor the disposal of automotive fluids from the Do-It-Yourself community.	Don't dump waste down the drain.	Engage 1% of Households, (20% of DIY Households)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD FCLR (Partner with Advance and Autozone)						
Pesticide and fertilizer use	Get households to pledge not to use phosphorus based fertilizers. Pledge cards issued through the 7 th grade classes to households, the class with largest number of returns would be awarded a Conservation Class Leader certificate.	Use only the fertilizer and pesticide you need, in the appropriate manner to reduce nutrient and pesticide runoff.	Engage 5% of households	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD (Partner with OSU Master Gardeners)						
Pet waste and goose waste	Pledge cards for residents to properly dispose of pet waste properly. Education on reduction in goose population to reduce goose waste.	Reduce nutrient and bacteria load run-off to streams from lawns.	Engage 1% of Households, HOAs and property managers.	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD						



LIBERTY TOWNSHIP - SMALL MS4 SWMP

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached	Summary of Results	Effective (Yes or No)
Household Hazard Waste and Pharmaceutical disposal	Host collection events to reduce exposure of high concentrations of household hazard wastes and pharmaceuticals through illicit discharges and leaching through awareness of proper disposal locations.	Don't dump household hazardous waste and waste pharmaceuticals down the drain.	Engage 1% of Households	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
FSWCD (Partner with the Sheriff, FCLR and Prevention Works)						
Adopt a Road or Stream Clean-Up	Adopt Road Litter P/U (Stoudertown Road)	Don't litter.	Engage 1% of households	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
Trustees FSWCD FCLR (Basil Join Fire District and local volunteers)						
Storm water drain labels and stencils	Label storm drains that are not yet labeled "drains to stream" coordinated with other nearby MS4's. <i>Liberty Township controls primarily open ditch conveyance systems in the MS4 area.</i>	Awareness of where storm water goes.	Engage 1% of households	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)	(Tracked as required for annual reporting)
Roads FSWCD (Partner with HOA's, Boy Scouts and Girl Scouts)						



LIBERTY TOWNSHIP SMALL MS4 SWMP

ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE) *IDDE plan updated December 2014*

The Township has already minimized the potential of illicit discharges to the storm water system through ordinance and the County's operation of a centralized sanitary sewer system. The Township completed an inventory of public and private outfalls into the creeks and waterways through the MS4 area. The Township has identified the need to increase public awareness of the storm water system to engage the public within their IDDE minimum control. The Township's program will use Township staff, Fairfield County Utilities (FCU) Fairfield Department of Health (FDH), and the FSWCD by agreements to administer their IDDE program. The Township with the FCU and FDH shall be responsible for the overall management and implementation of the IDDE program. FDH will provide education and outreach concerning operation and maintenance of their septic and discharging systems through the **IDDE Plan (current version December of 2014)**.

There are 2 HSTS that discharge to the MS4 storm water conveyance system as of 1-1-15

Strategies

The Township currently maintains maps in hard copy form. These maps include as-built plans of projects completed within the Township. "Maps" include projects completed by developers, as well as improvements implemented by the Township.

This system has been enhanced with recent GPS mapping and inspections along with electronic conversion of storm water conveyance systems to aid in GIS planning and emergency response (**current version November 2013**).

The Township will continue the process of completing a geographic information system (GIS) through field inspections and mapping new systems as they are constructed.

The Township will coordinate with the FDH to maintain data sets of existing on-site treatment systems within the MS4 limits. Additional information will be added to the mapping product as systems are removed, replaced or added.

The control of illicit discharges is part of ORC, zoning ordinance, right-of-permits and the Fairfield County Regional Planning Commission for larger projects.



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ILICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (if available, web link for code(s))	Summary of Results or Activities	Effective (Yes or No)
Ordinance or Other Regulatory Mechanism Trustees, Zoning, Board of FCC, FCE, FCU, Sheriff, FDH	An effective and enforceable regulatory mechanism	Yes	Liberty Twp. Road Right of Way Policy 2-17-10, Resolution 4-3-2015 Board of FCC Resolution 1-28-81, Journal 27, Pg 470 (FCEO Permit Approval Guideline 7-26-12) Board of FCC Resolution 11-22-83 & 7-1-86 (Sewer Ordinance 89-12.07d) OAC 3701-29, ORC Chapters 3707, 3709, 3718, 3767, 6103, 6117, 6111	Update as needed should codes change.	(Track as required for annual reporting)
BMP & Responsible Party Storm Sewer System Map Trustees, FCE, FSWCD	Measurable Goal Create a map of all MS4 structures, pipe, WQ structures and ditches within the Township area that are associated with the Township.	Completed (Yes or No) Ongoing	Summary of Activities or Updates All stream outfalls have been identified and mapped by GPS/GIS. Storm sewer structures and pipes currently GPS mapped are being screened for illicit discharge during regular inspections.		Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party HSTS Mapping and List Trustees, FDH, FSWCD	Measurable Goal Create a map of all parcels with aerator outfalls to structures, and connections within the Township area.	Completed (Yes or No) Yes	Summary of Activities or Updates FDH will inspect 20% annually, and update the list and data base for those removed and those added in Township limits. Updates will be shared with the FSWCD and Fairfield County Gis.		Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party IDDE Plan Trustees, Zoning, FCC, FCE, FCU, FDH	Measurable Goal Improve rapid response communications.	Completed (Yes or No) Yes	Summary of Activities or Updates Cooperative annual review is expected between the Township, FDH, FCE, FCU and the FSWCD		Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Dry-Weather Screening of Outfalls Total # of Outfalls <u>53</u> FSWCD	Measurable Goal 20% of Township outfalls screened annually by the FSWCD, and samples taken from those flowing for the presence of MBAS or fecal.	Completed (Yes or No) Ongoing	# of Outfalls Screened Review 20%	# Of Illicit Discharges: Identified* Eliminated	Effective (Yes or No) (Track as required for annual reporting)



LIBERTY TOWNSHIP SMALL MS4 SWMP

CONSTRUCTION SITE RUNOFF CONTROL

The Township recognizes that sediment laden runoff from construction sites, if unchecked, can deposit more in a stream than would be deposited there over the course of decades from other land use types. The resulting siltation and other pollutants can cause physical, chemical and biological harm to the waterways.

Strategies

The Township relies on contract erosion control inspectors through the FSWCD and their own Township inspectors to inspect and monitor compliance with Township Zoning Regulations that support the NPDES requirements that support the General Construction Permit and MS4 Permit.

The Township Zoning Inspector shall be responsible for the overall management and implementation of the construction site runoff control program. Township and contract inspectors will implement the standard Construction Site Inspection Checklist for OHC000004.

Priorities of the 5 year period are:

- Storm Water Pollution Prevention Plan (SWPPP) review by Township, FSWCD and County staff and seek public comment
- Utilize the OEPA construction site check list method
- Review sites for proper submission of NOI's and Co-Permittee forms with the OEPA
- Provide contractors with inspection forms and comments within 24 hours of inspections
- Document an enforcement protocol



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CONSTRUCTION SITE RUNOFF CONTROL

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))		Summary of Results or Activities	Effective (Yes or No)
			Received	Followed-Up On		
Ordinance or Other Regulatory Mechanism Trustees, Zoning, FSWCD, RPC & Prosecutor	An effective and enforceable regulatory mechanism	Yes	Liberty Township Zoning Code 10.11 RPC Subdivision Regulations		(Track as required for permit or code changes)	(Track as required for annual reporting)
BMP & Responsible Party Sediment and Erosion Control Requirements Trustees, Zoning, FSWCD, RPC & Prosecutor	Measurable Goal Effective and fair requirements	Yes	Standards Being Used Liberty Township Zoning Code 10.11 RPC Subdivision Regulations		Summary of Results or Activities (Track as required for annual reporting)	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Complaint Process Trustees, Zoning, FSWCD & RPC	Measurable Goal Complaints and concerns are addressed ASAP	Yes	Complaints # of Applicable Sites Requiring Plans (Track as required for annual reporting)		Summary of Results or Activities (Track as required for annual reporting)	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Site Plan Review Procedures Trustees, Zoning, FSWCD, RPC & Prosecutor	Measurable Goal Have a systematic method to review construction site plans to comply with NPDES SWP3's and MS4 permit requirements.	Yes	# of Plans Reviewed (Track as required for annual reporting)		Summary of Results or Activities (Track as required for annual reporting)	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Site Inspection Procedures Trustees, Zoning, FSWCD & RPC	Measurable Goal Have a systematic and well documented site inspection process to comply with NPDES and MS4 requirements.	Yes	Site Inspections Performed # of Applicable Sites (Track as required for annual reporting)		Summary of Results or Activities (Track as required for annual reporting)	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Enforcement Procedures Trustees, Zoning, FSWCD, RPC & Prosecutor	Measurable Goal A stepped enforcement protocol. "three strikes approach" *include an attachment which identifies applicable sites within your jurisdiction for annual reporting.	Completed (Yes or No) Liberty township Zoning Resolution May 18, 2016 10.11 D	Violations # of Violation Letters (Track as required for annual reporting)		Summary of Results or Activities (Track as required for annual reporting)	Effective (Yes or No) (Track as required for annual reporting)



LIBERTY TOWNSHIP SMALL MS4 SWMP

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

The Township addresses the post-construction stormwater management in new development and redevelopment with structural and non-structural BMPs. As part of this minimum control, the Township seeks to effectively manage the amount of impervious cover within its system, meet floodplain regulations to protect floodways and floodplains and properly permit impacts to riparian buffers and review the need for stream corridor.

The Township regulations are presently formulated to address water quality issues. The FCRPC regulations outline the controls necessary to control peak flow rates from the post peak development condition to the peak flow rates of the preconstruction condition.

For the 5-year permitting cycle, the Township will focus primarily on policies that address new development. Existing policies have been or will be augmented to reflect water quality-type best management practices.



LIBERTY TOWNSHIP SMALL MS4 SWMP

CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT POST-

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (if available, web link for code(s))	Summary of Results or Activities	Effective (Yes or No)
Ordinance or Other Regulatory Mechanism	An effective and enforceable regulatory mechanism to comply with NPDES and MS4 requirements.	Yes. Zoning Resolution May 18, 2016 10.11 A 6	Draft agreement developed, review of zoning code in process.	Continued to review as codes and permit requirements change.	(Track as required for annual reporting)
Trustees, Zoning, FSWCD, RPC & Prosecutor					
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Structural and/or Non-Structural Standards Being Used	Summary of Results or Activities	Effective (Yes or No)
Post-Construction Requirements	To maintain effective and fair requirements to comply with NPDES and MS4 requirements.	Yes. Zoning Resolution May 18, 2016 10.11 A 6	Draft agreement developed, review of zoning code in process. Continued to review as codes and permit requirements change.	Continued to review as codes and permit requirements change.	(Track as required for annual reporting)
Trustees, Zoning, FSWCD, RPC & Prosecutor					
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Post-Const. BMPs	Summary of Results or Activities	Effective (Yes or No)
Site Plan Review Procedures	Have a systematic method to review construction site plans to comply with NPDES and MS4 requirements.	Yes. Zoning Resolution May 18, 2016 10.11 A 6	(Track as required for annual reporting)	Continued to implement to comply with NPDES and MS4 requirements.	(Track as required for annual reporting)
Trustees, Zoning, FSWCD & RPC					
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Site Inspections Performed	Summary of Results or Activities	Effective (Yes or No)
Site Inspection Procedures	Have a systematic and well documented site inspection process to comply with NPDES and MS4 requirements.	Yes. Zoning Resolution May 18, 2016 10.11 A 6	# Performed (Track as required for annual reporting) Maintain a table of all underground water quality units with inspection dates.	Created a table of all underground water quality units with inspection dates to track	(Track as required for annual reporting)
Trustees, Zoning, FSWCD & RPC			Avg. Frequency Once per permit cycle		
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Violations	Summary of Results or Activities	Effective (Yes or No)
Enforcement Procedures	An effective and enforceable regulatory mechanism and stepped protocol to comply with NPDES and MS4 requirements.	Yes. Zoning Resolution May 18, 2016 10.11 A 6	# of Violation Letters (Track as required for annual reporting)	Continued to implement to comply with NPDES and MS4 requirements.	(Track as required for annual reporting)
Trustees, Zoning, FSWCD & RPC & Prosecutor			# of Enforcement Actions (Track as required for annual reporting)		
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Sites Requiring Plans/Agreements	Summary of Results or Activities	Effective (Yes or No)
Long-Term O&M Plans/Agreements	To require all post-construction BMPs to have a life-long O&M plan and agreement that stays with the property through change of ownership.	Yes. Zoning Resolution May 18, 2016 10.11 A 6	(Track as required for annual reporting)	Continued to implement to comply with NPDES and MS4 requirements.	(Track as required for annual reporting)
Trustees, Zoning, FSWCD, RPC & Prosecutor			# of Plans Developed/Agreements in Place (Track as required for annual reporting)		



LIBERTY TOWNSHIP SMALL MS4 SWMP

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

The Township has formalized their Municipal Facilities/Operations Stormwater –Operations and Maintenance Plan (most Recent 2013) and their training program to specifically focus on storm water management for Township maintenance employees and their supervisors. The facility is outside the MS4 boundary.

The Township has a variety of programs in place to provide 'good housekeeping'.

The Township maintains 5.6 miles of road inside the MS4 boundary.

The County maintains 2.13 miles of road inside the MS4 boundary.

Priorities of the 5 year period are:

- Quarterly Inspection documentation and tracking
- Label used oil containers
- Dispose of street sweeping and other wastes at a municipal landfill
- Secondary containment of brine and concrete pad for bituminous tanker truck storage
- Inspect all floor drains annually and all storm water drains and ditches quarterly
- Review 2060 facility drain tile connections and develop a map and marking system and consider a settling basin for them.



LIBERTY TOWNSHIP SMALL MS4 SWMP

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Topic(s)	Targeted Audience	# of Employees Attended	Summary of Activity	Effective (Yes or No)
Employee Training Program	Train 100% of the maintenance staff and their supervisors annually.	Yes	Storm water pollution IDDE policy Construction site runoff	Township maintenance staff, inspectors and their supervisors.	(Track as required for annual reporting)	(Track as required for annual reporting)	(Track as required for annual reporting)
Zoning, Roads & FSWCD							
<p>List of Municipal Facilities Subject to Program</p> <p>Service Garage 2060 Reynoldsburg Baltimore Rd., Baltimore, OH Cold Storage/Offices 2095 Reynoldsburg-Baltimore Rd., Baltimore, OH</p>							
Summarize Maintenance Activities and Schedules							
MS4 Maintenance	We perform these activities on a compliance and complaint driven process – depending on the type of activity. (Track as required for annual reporting)						
Procedures Developed (Yes or No)							
Disposal of Wastes	Yes						
Document Amounts of Wastes Properly Disposed							
Road Salt	<p>Covered (Yes or No) Yes. Monitoring for salt residues. (Track as required for annual reporting)</p> <p>Tons Used (Track as required for annual reporting)</p> <p>Summarize Measures Taken to Minimize Usage</p>						
Pesticide & Herbicide Usage	<p>Procedures Developed (Yes or No) Yes. Ear mark specific records for application in sections 6 and 30R (Track as required for annual reporting)</p> <p>Gallons Used (Track as required for annual reporting)</p> <p>Summarize Measures Taken to Minimize Usage</p>						
Fertilizer Usage	<p>Procedures Developed (Yes or No) Yes, but they are not typically used by the Township. (Track as required for annual reporting)</p> <p>Pounds Used (Track as required for annual reporting)</p> <p>Summarize Measures Taken to Minimize Usage</p>						
Street Sweeping	<p>Procedures Developed (Yes or No) Yes, tracking receipts for proper disposal at an approved facility. (Track as required for annual reporting)</p> <p>Document Amount of Material Collected and Properly Disposed</p>						
Flood Management Projects	<p>Summarize any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality</p> <p>None</p>						

