



**Fairfield County and Violet Township SWMP
NPDES Small MS4 General Permit
(OHQ000003) 2014-2019**

Small MS4 Years:	September 11, 2014-September 10, 2019				
Ohio EPA Facility	4GQ10006*CG				
Name of MS4:	Fairfield County and Violet Township				
Primary Contact:	Tony Vogel, PE	Title:	Director of Utilities		
Mailing Address:	6670 Lockville Road				
City:	Carroll	Zip Code:	43112	County:	Fairfield
Telephone Number:	740-652-7121	Email Address:	tvogel@co.fairfield.oh.us		

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.

- FCU-** Tony Vogel, PE – Director of Utilities – Overall Manager – 740-652-7120
- FCC-** Carri Brown, MBA, County Administrator, Fairfield County Commissioners -740-652-7090
- FCE-1-** Eric McCrady, PE, Fairfield County Engineer –General Coordination and Training- 740-652-7050
- FCE-2-** Todd May, Subdivision Engineer, Fairfield County Engineer – 740-687-7050
- FCE-3-** Jason Grubb, Road Supervisor, Fairfield County– 740-687-7050
- RPC-** Holly Mattei, AICP - Fairfield County Regional Planning Commission – 740-652-7110
- FDH-** Larry Hanna, RS, Sanitarian – Fairfield Department of Health – 740-652-2800
- VT-DO-** John Eisel – Violet Township, Director of Operations – Co-program Coordinator for Violet Twp MS4 Area – 614-575-5556
- VT-E-** Greg Butcher, PE – Violet Township, Township Engineer – Co-program Coordinator for Violet Twp MS4 Area – 614-575-5556
- VT-Z-** Kelly Sarko – Violet Township – Code Enforcement Officer – 614-575-5556
- FSWCD-** Chad Lucht, CPESC – Fairfield Soil & Water Conservation District (by agreement) – 740-653-8154
- Sheriff-** Deputy Hummel, Fairfield County Sheriff – 740-652-7900
- FCLR-** Chad Reed, Education Coordinator, Fairfield County Litter and Recycling -740-205-8027
- 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: Tony Vogel, PE
 Print Title: Director of Utilities, MS4 Permit Manager
 Signature: *Tony Vogel* Date: 12-9-16

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 County and Township Authority
- 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 County and Township Erosion Control Ordinance
- H Township/OEPA-Inspection Forms
- I Post Construction WQ Agreement
- J County and Township Enforcement Protocol
- K County and Township Service Facilities SWP3
- L February 2015 Audit
- M Copy of MS4 Permit
- N Copy of the General Construction Permit
- O Floodplain Regulations



Fairfield County and Violet Township SWMP
NPDES Small MS4 General Permit
(OHQ0000003) 2014-2019



FAIRFIELD COUNTY AND VIOLET TOWNSHIP SMALL MS4 SWMP

Executive Summary

Fairfield County and Violet Township as Co-Permittee's are 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 Fairfield County and Violet Township's program to develop, implement and enforce a storm water management program 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 Fairfield County and Violet Township's legal authority to implement the requirements of the OEPA's general permit.

Legal Authority

Fairfield County and Violet Township has the authority to control the quantity and quality of storm water to its system through its regulations. Fairfield County and Violet Township has authorized Fairfield County Director of Utilities as the responsible party for implementation of the NPDES Phase II Program as the MS4 Permit Manager per Attachment A.

Fairfield County and Violet 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

Fairfield County and Violet Township has agreed to implement an NPDES Phase II storm water program for the entire geographic area of Violet Township in Fairfield County. Fairfield County and Violet Township is largely residential, with concentrations of commercial areas along main thoroughfares such as State Route 256, Refugee Road and State Route 204. The area is in Fairfield County, Violet Township. The County maintains and provides sanitary sewer service and roads that overlap with the MS4 areas of the Cities of Pickerington, Canal Winchester and Liberty Township.

Estimated Permit Area's Total Population: 2010 Census (tracts 328, 329, 331) 23,325 Population 8,048 Households 17.8 Square Miles

Reporting Requirements

Fairfield County and Violet Township will submit their 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. Fairfield County and Violet 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 Fairfield County and Violet 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 Fairfield County and Violet 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 Violet area. Key waterways include:

- Walnut Creek
- George Creek
- Sycamore Creek
- Blacklick 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 George Creek within Fairfield County and Violet Township is considered the upper reaches. According to the Areawide Water Quality Plan, the upper



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reach 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 a source of concern within the Sycamore Creek watershed.

A portion of Fairfield County and Violet Township drains to tributaries of the Blacklick Creek. This area is largely developed with little remaining land available for suburbanization. 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 source (wastewater treatment facilities).

This Storm Water Management Plan meets the requirements of the NPDES Phase II. and Appendix 13 of the “Scioto River Basins and Blacklick Creek Area-wide Water Quality Management Plan.”

In light of the above, the major concerns outlined for these waterways are largely development related. Fairfield County and Violet Township’s storm water management plan will address the adverse effects caused by construction (siltation) as well as post-construction concerns such as flow alteration and urban run-off. *The approach of this SWMP will be to primarily reduce sedimentation and organic enrichment where possible in light of urban land use that causes partial aquatic life use impairment downstream of the MS4 area tributary to George Creek and other tributaries. ODEP Total Maximum Daily Loads for the Walnut Creek Watershed, Final report date February 2, 2010 and the Total Maximum Daily Loads for the Big Walnut Creek Watershed, Final report date February 19, 2005.*

The Six Minimum Control Measures are:

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



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PUBLIC EDUCATION & OUTREACH

Fairfield County and Violet Township has chosen a mix of BMPs for public education and outreach based on the last two permits while developing partnerships with the surrounding MS4 permit holders. This control measure will target homeowners, residents and commercial property owners. There are three general areas that Fairfield County and Violet 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 Fairfield County and Violet Township is predicated largely on increasing awareness of how Fairfield County and Violet Township's municipal separate storm sewer system (MS4) functions through information dissemination.

Forming Partnerships

Fairfield County, Violet Township and Fairfield Soil and Water Conservation District (FSWCD) have entered into a working agreement (Attachment B) 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. Fairfield County and Violet Township MS4 Permit Manager 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

Fairfield County and Violet 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.

General theme areas included in the July 10, 2014 audit (Attachment L) include;

- 1) Proper household fertilizer management (Fertilizer and pesticide use)
- 2) Storm water runoff reduction practices (Rainbarrels, rain gardens and bio retention)
- 3) Commercial/restaurant storm water run-off management and waste disposal (Closed dumpsters, grease interception, no dumping in storm drains)
- 4) Proper yard waste disposal (Pet waste, clippings and leaves)
- 5) Proper household waste disposal (Automotive fluids, pharmaceuticals, paint, closed trash cans)
- 6) Proper construction site run-off controls for developers and contractors

Surveys of public opinion/perception were conducted at events in September and October of 2014 and the summary of themes was prioritized by Fairfield County and Violet Township following 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, Fairfield County and Violet 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-Ongoing from previous permits	2016	Education	(Public Participation-event)
4	Sewage failures	2017	Education	
5	Pesticide and fertilizer use	2018	Education	(Public Participation-workshop)
6	Salt usage	2019	Education	
7	Pharmaceutical waste disposal	Ongoing	Education	(Public Participation –event with other waste collections)
8	Stream Clean Up Event	Ongoing	Education	(Public Participation-event)

Tracking Success

Fairfield County and Violet 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

	Measurable Goal	Theme or Message	Target Audience	% of Target Audience to be Reached	Summary of Planned Activities	Proposed Schedule
Media topic for outreach by year	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 -Stream litter reduction and pickup -Construction Site Erosion 	<ul style="list-style-type: none"> -All pet owners and property MS4 Permit Managers -All DIY mechanics -Septic tank owners -All homeowners and contract applicators -Commercial property MS4 Permit Managers and youth groups -Contractors/developers 	50% 50% 50% 50% 50% 50%	Regular articles published in the Pickerington Magazine.	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 Chad Lucht Tony Vogel	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 Fairfield County and Violet Township Engineer.	Pollution awareness and what residents can do to help.	7 th grade classes	100%	Students have gained knowledge about storm water and water quality.	(Tracked as required for annual reporting)
Adult Education Print Media Chad Lucht Greg Butcher	Annually the FSWCD and Fairfield County and Violet Township will collaborate on a minimum of one article in the Pickerington Magazine reaching 100% of residents and property managers on topics related to water quality themes established through Public Participation. FSWCD will track and report to Fairfield County and Violet Township Engineer.	Pollution awareness and what residents can do to help.	Residents and businesses	100%	Residents and businesses gained knowledge on the covered topic.	(Tracked as required for annual reporting)



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<p>Web based education</p>	<p>Chad Lucht Greg Butcher Eric McCrady</p>	<p>Annually Fairfield County and Violet Township will maintain a webpage, with a counter to direct citizens to educational resources and water quality concern reporting. This site will be cross referenced with the FSWCD website. Fairfield County and Violet Township Engineer will track and count totals for reporting.</p>	<p>Pollution awareness and what residents, property MS4 Permit Managers, contractors and students can do to help.</p>	<p>50% of the population and contractors working in Fairfield County and Violet Township</p>	<p>(Tracked as required for annual reporting) with web counter</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Contractor and developer education</p>	<p>Chad Lucht Greg Butcher Eric McCrady Tony Vogel</p>	<p>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, Fairfield County and Violet Township will develop a brochure or PDF document on community specific erosion control expectations and standards distributed with each permit package.</p>	<p>Pollution awareness and what residents, contractors and property MS4 Permit Managers can do to help.</p>	<p>25% of contractors working in Fairfield County and Violet Township</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>



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PUBLIC INVOLVEMENT/PARTICIPATION

Fairfield County and Violet Township recognize 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. Fairfield County and Violet 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

Fairfield County and Violet Township have determined that the most efficient and effective means for moving forward on the permitting program is to craft the storm water management program through Fairfield County and Violet Township MS4 Permit Manager, 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 Fairfield County and Violet Township is predicated largely on increasing awareness of how Fairfield County and Violet Township's MS4 functions through information dissemination. The program is enhanced now to include more active public participation through the Storm Water Advisory and Educational Subcommittee. Fairfield County and Violet 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 three general categories: homeowner, residents and commercial property owners. The residential category has been divided into school age children and adults, new development (through developers) and existing. The commercial properties include small, medium and large properties, as well as type (restaurant and retail, for example) involvement will be tracked. Much of the communication with commercial properties will come through inspections by Fairfield County and Violet Township inspectors, inspections of post construction water quality facilities and the Fairfield Department of Health. Fairfield County and Violet Township will continue to assess its ability to communicate with diverse ethnic populations within its limits.

Fairfield County and Violet Township will seek involvement and participation events with the public through;

- 1 Pickerington Pet Fest Venue
- 3 Farmers Market Venues with interactive events and pledge cards that are theme related FSWCD and Fairfield County and Violet Township Staff
- 4 days at the Violet Festival with interactive events and pledge cards that are theme related FSWCD and Fairfield County and Violet Township staff
- 5 days at the County Fair with interactive events and pledge cards that are theme related FSWCD
- 1 annual road ditch or stream litter collection event with FCLR, downstream of the primary commercial areas in the MS4 community with youth groups and volunteers. Partnership with the FCLR staff and programs.
- 1 storm drain tagging event with youth groups and volunteers. Fairfield County and Violet Township Service Department.
- Annual inspections of commercial properties and restaurants will include storm water run-off management and waste disposal (Closed dumpsters, grease interception, no dumping in storm drains). This brochure and areas of concern will be delivered by staff of Fairfield Department of Health.

Fairfield County and Violet Township's MS4 Permit Manager shall be responsible for the overall management and implementation of the storm water public involvement and participation program, through coordination with the FSWCD.



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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)
<p>Public participation through the Storm Water Advisory and Educational Subcommittee</p> <p>Chad Lucht John Eisel Greg Butcher Tony Vogel Eric McCrady</p>	<p>Annually Fairfield County and Violet Township in cooperation with Fairfield County Regional Planning Commission Storm Water Advisory and Educational Subcommittee will host/publicize at least one public meeting per year with all MS4 Communities to hear citizen concerns. Fairfield County and Violet Township will track and report attendance.</p>	<p>Solicit public concerns and correlate with annual water quality complaint or concern lists.</p> <p>Direct invitation by year to: 2015 General Property MS4 Permit Managers 2016 Contractors and developers 2017 Septic/grease haulers 2018 Lawn care companies 2019 Businesses</p>	<p>Residents, property MS4 Permit Managers, contractors/developers, septic/grease haulers, lawn care companies and businesses in Fairfield County and Violet Township of Pickerington.</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Proper household fertilizer management</p> <p>Pesticide and fertilizer use</p>	<p>Get households to pledge not to use phosphorus based fertilizers.</p> <p>Pledge cards issued through the 7th grade classes to households, the class with largest number of returns would be awarded a Conservation Class Leader certificate.</p>	<p>Use only the fertilizer and pesticide you need, in the appropriate manner to reduce nutrient and pesticide runoff.</p>	<p>Engage 5% of households</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Chad Lucht Greg Butcher (Partner with OSU Master Gardeners)</p>	<p>Pledge cards at the Pet Fest, dog park and public parks to dispose of pet waste properly. Education on reduction in goose population to reduce goose waste.</p>	<p>Reduce nutrient load run-off to streams from lawns.</p>	<p>Engage 1% of households, HOAs and property MS4 Permit Managers. 1054 or 25% of the pet owners of dogs in the Pickerington zip code</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Proper yard waste disposal</p> <p>Pet waste and goose waste Lawn clippings and leaves Pick Up Poop (PUP) Campaign</p> <p>Chad Lucht Greg Butcher (Partner with ODNR-Division of Wildlife)</p>	<p>Pledge cards at the Pet Fest, dog park and public parks to dispose of pet waste properly. Education on reduction in goose population to reduce goose waste.</p>	<p>Reduce nutrient load run-off to streams from lawns.</p>	<p>Engage 1% of households, HOAs and property MS4 Permit Managers. 1054 or 25% of the pet owners of dogs in the Pickerington zip code</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>



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<p>Proper household waste disposal</p> <p>Automotive Fluids, Paints and Pharmaceutical disposal</p>	<p>Host collection events to reduce exposure of high concentrations of automotive fluids, paints and pharmaceuticals through illicit discharges and leaching through awareness of proper disposal locations.</p>	<p>Don't dump waste auto fluids, paints and pharmaceuticals down the drain.</p>	<p>Engage 1% of Households</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Chad Lucht Chad Reed (Community Action) (Partner Fairfield County Sherriff and Tylers Light)</p>						
<p>Stream Clean-Up</p>	<p>Stream Clean Up or Adopt-A-Road Event</p>	<p>Don't litter.</p>	<p>Engage 1% of households</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Chad Lucht Greg Butcher (Partner with FCLR, Pickerington Parks and Rec., Metro Parks, Boy Scouts and Girl Scouts)</p>						
<p>Storm water drain labels and stencils</p>	<p>Continue to label storm drains that are not yet labeled "drains to stream" and begin replacement program of those that have faded or fell off from previous permit cycles.</p>	<p>Awareness of where storm water goes.</p>	<p>Engage 1% of households</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>	<p>(Tracked as required for annual reporting)</p>
<p>Chad Lucht Greg Butcher (Partner with HOA's, Boy Scouts and Girl Scouts)</p>						



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ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

Fairfield County and Violet Township have already minimized the potential of illicit discharges to the storm water system through codes and regulations and the operation of a centralized sanitary sewer system. Fairfield County and Violet Township completed an inventory of public and private outfalls into the creeks and waterways throughout Fairfield County and Violet Township's MS4 areas. Fairfield County and Violet Township has identified the need to increase public awareness of the storm water system to engage the public within their IDDE minimum control. Fairfield County and Violet Township's program will use Fairfield County and Violet Township staff, FDH and the FSWCD by agreements to administer their IDDE program. Fairfield County and Violet Township MS4 Permit Manager 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 HSTS through the IDDE Plan (Attachment D).

Strategies

Fairfield County and Violet Township currently maintains a 'map room' with all available maps in hard copy form. These maps include as-built plans of projects completed within Fairfield County and Violet Township. Maps are incorporated into the map room once they are recorded with Fairfield County and Violet Township. "Maps" include projects completed by developers, as well as improvements implemented by Fairfield County and Violet 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 (Attachment E and F).

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

Fairfield County and Violet Township will coordinate with the FDH to maintain data sets of existing HSTS within Fairfield County and Violet Township 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 Fairfield County and Violet Township is through the Ohio Revised Code and Administrative Code. Fairfield County and Violet Township encourage the design and use of the storm sewers and drainage systems.



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ILLICIT 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)
<p>Ordinance or Other Regulatory Mechanism</p> <p>Tony Vogel and Greg Butcher</p> <p>Board of Fairfield County Commissioners</p> <p>Board Violet Township Trustees</p> <p>Fairfield Board of Health</p> <p>Fairfield County Sheriff</p>	An effective and enforceable regulatory mechanism	Yes	<p>-Violet Twp Road Right-of-Way Policy</p> <p>-Board of County Commissioners Resolution 1-28-81-Journal 27, Pg 470</p> <p>-FCEO Permit Approval Guidelines 7-26-12</p> <p>-Board of County Commissioners Resolution 1-22-83 & 7-1-86 (Sewer Ordinance 89-12.07d)</p> <p>ORC 3707, 3709, 3718, 3769, OAC 3701-29</p> <p>ORC 6111 (Water Pollution Control), 3718 (Sewage Treatment System), 3767 (Nuisances)</p>	Update as needed should codes change.	(Track as required for annual reporting)
<p>BMP & Responsible Party</p> <p>Storm Sewer System Map</p> <p>Chad Lucht, Greg Butcher, Eric McCrady and Tony Vogel</p>	<p>Measurable Goal</p> <p>Create a map of all MS4 structures, pipe, WQ structures and ditches within Fairfield County and Violet Township that are maintained and monitored by Fairfield County and Violet Township.</p>	Ongoing	<p>Summary of Activities or Updates</p> <p>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.</p>		<p>Effective (Yes or No)</p> <p>(Track as required for annual reporting)</p>
<p>BMP & Responsible Party</p> <p>HSTS Mapping and List</p> <p>Kelley Spindler, Chad Lucht and Tony Vogel</p>	<p>Measurable Goal</p> <p>HSTS Mapping and list. Create and maintain a map of all parcels with HSTS and note those with discharging systems to storm water structures and ditches within Violet Township, Liberty Township (Sections 6 and 30R) or to the City of Pickerington or Canal Winchester. Address, system type, where it discharges.</p>	Yes	<p>Summary of Activities or Updates</p> <p>-Fairfield Department of Health will inspect 20% of discharging systems annually in the MS4 area, and update the list and database for those removed and those added in Violet Township and Liberty Township limits. (100% inspection on a 5 year period)</p> <p>-Updates will be shared with the FSWCD and Fairfield County GIS.</p> <p>-Aid in the development and distribution of educational materials like "Our Storm Water Pollution Solutions" specifically, HSTS pumping, aerator maintenance and reporting complaints. Coordinate distribution with the Board of Realtors at closings.</p> <p>-Track all complaints for failing HSTS or other pollution complaints received in the areas. Report to County Utilities and Fairfield SWCD by January 1 each year.</p> <p>- Participate in the Fairfield County RPC Storm Water Subcommittee.</p>		<p>Effective (Yes or No)</p> <p>(Track as required for annual reporting)</p>
<p>BMP & Responsible Party</p> <p>IDDE Plan</p> <p>Kelley Spindler, Chad Lucht, Greg Butcher, Eric McCrady and Tony Vogel</p>	<p>Measurable Goal</p> <p>Improve rapid response communications.</p>	Yes	<p>Summary of Activities or Updates</p> <p>Cooperative annual review is expected between Fairfield County and Violet Township, FDH and the FSWCD</p>		<p>Effective (Yes or No)</p> <p>(Track as required for annual reporting)</p>
<p>BMP & Responsible Party</p>	<p>Measurable Goal</p>	Completed	<p># of Outfalls Screened</p>	<p># of Illicit Discharges:</p>	<p>Effective</p>



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	(Yes or No)	Flows Identified	Identified*	Eliminated	(Yes or No)
Dry-Weather Screening of Outfalls Total # of Outfalls 310 249-VT 61 -FCE	Ongoing	20% annually	(Track as required for annual reporting)	(Track as required for annual reporting)	(Track as required for annual reporting)
Chad Lucht			(Track as required for annual reporting) Develop a new/revised numbering system		



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CONSTRUCTION SITE RUNOFF CONTROL

Fairfield County and Violet 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

Fairfield County and Violet Township rely on Fairfield Soil and Water Conservation District, Fairfield County and Violet Township inspectors to inspect and monitor compliance with Fairfield County and Violet Township Regulations that support the NPDES requirements, support the General Construction Permit and MS4 Permit.

Fairfield County MS4 Permit Manager and the Violet Township Engineer shall be responsible for the overall management and implementation of the construction site runoff control program. Fairfield County and Violet 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 and updates
- 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 the enforcement protocol utilization consistently

Maintain list of sites inspected, NOI's, Co-Permittees and NOT's



FAIRFIELD COUNTY AND VIOLET TOWNSHIP SMALL MS4 SWMP

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)
Ordinance or Other Regulatory Mechanism Tony Vogel and Greg Butcher	An effective and enforceable regulatory mechanism	Yes	County - County subdivision regulations Violet - Drainage, Erosion, and Sediment Control Regulations	(Track as required for permit or code changes)	(Track as required for annual reporting)
BMP & Responsible Party Sediment and Erosion Control Requirements Tony Vogel and Greg Butcher	Measurable Goal Effective and fair requirements	Completed (Yes or No) Yes	Standards Being Used Fairfield County and Violet Township Ohio EPA Construction General Permit	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 Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal Complaints and concerns are addressed ASAP	Completed (Yes or No) Yes	Complaints Received Followed-Up On (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 Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal Have a systematic method to review construction site plans to comply with NPDES SWP3's and MS4 permit requirements.	Completed (Yes or No) Yes	# 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 Inspection Procedures Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal Have a systematic and well documented site inspection process to comply with NPDES and MS4 requirements.	Completed (Yes or No) Yes	Site Inspections Performed # of Applicable Sites # Performed Avg. Frequency (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 Fairfield County and Violet Township legal representation	Measurable Goal The enforcement level protocol needs to be utilized and documented. *Include an attachment which identifies applicable sites within your jurisdiction for annual reporting.	Completed (Yes or No) Yes	Violations # of Violation Letters # of Enforcement Actions (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)



FAIRFIELD COUNTY AND VIOLET TOWNSHIP SMALL MS4 SWMP POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Fairfield County and Violet Township propose to address the post-construction storm water management and redevelopment with structural and non-structural BMPs. As part of this minimum control, Fairfield County and Violet 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.

Fairfield County and Violet Township Regulations are presently formulated to address water quantity and quality issues. The 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, Fairfield County and Violet Township will focus on policies that address new development and redevelopment. Existing policies have been or will be augmented to reflect water quality-type best management practices.

Post Construction Storm Water Management Systems map (Attachment I)



FAIRFIELD COUNTY AND VIOLET TOWNSHIP SMALL MS4 SWMP

CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT POST CONSTRUCTION-

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 Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	An effective and enforceable regulatory mechanism to comply with NPDES and MS4 requirements.	Yes	County - County subdivision regulations Violet - Drainage, Erosion, and Sediment Control Regulations	Continued to review as codes and permit requirements change.	(Track as required for annual reporting)
BMP & Responsible Party Post-Construction Requirements Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal To maintain effective and fair requirements to comply with NPDES and MS4 requirements.	Completed (Yes or No) Yes	Structural and/or Non-Structural Standards Being Used Continued to review as codes and permit requirements change.	Summary of Results or Activities Continued to review as codes and permit requirements change.	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Site Plan Review Procedures Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal Have a systematic method to review construction site plans to comply with NPDES and MS4 requirements.	Completed (Yes or No) Yes	# of Applicable Sites Requiring Post-Const. BMPs (Track as required for annual reporting)	Summary of Results or Activities Continued to implement to comply with NPDES and MS4 requirements.	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Site Inspection Procedures Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal Have a systematic and well documented site inspection process to comply with NPDES and MS4 requirements.	Completed (Yes or No) Yes	Site Inspections Performed # Performed (Track as required for annual reporting) Avg. Frequency Property MS4 Permit Managers provides a once per year inspection to Fairfield County and Violet Township and Fairfield County and Violet Township spot checks 20% of them annually	Summary of Results or Activities Created a table of all underground water quality units with inspection dates to track.	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Enforcement Procedures Fairfield County and Violet Township legal representation	Measurable Goal An effective and enforceable regulatory mechanism and protocol to comply with NPDES and MS4 requirements.	Completed (Yes or No) Yes	Violations # of Violation Letters (Track as required for annual reporting)	Summary of Results or Activities Continued to implement to comply with NPDES and MS4 requirements.	Effective (Yes or No) (Track as required for annual reporting)
BMP & Responsible Party Long-Term O&M Plans/Agreements Tony Vogel, Greg Butcher, Eric McCrady and Chad Lucht	Measurable Goal To require all post-construction BMPs to have a lifelong O&M plan and agreement that stays with the property through change of ownership.	Completed (Yes or No) Yes	# of Sites Requiring Plans/Agreements (Track as required for annual reporting) # of Plans Developed/Agreements in Place (Track as required for annual reporting)	Summary of Results or Activities Continued to implement to comply with NPDES and MS4 requirements.	Effective (Yes or No) (Track as required for annual reporting)



FAIRFIELD COUNTY AND VIOLET TOWNSHIP SMALL MS4 SWMP POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Fairfield County and Violet Township has formalized their Municipal Facilities/Operations Stormwater Operations and Maintenance Plan (Attachment K) and their training program to specifically focus on storm water management for Fairfield County and Violet Township maintenance employees and their supervisors.

Fairfield County and Violet Township has a variety of programs in place to provide 'good housekeeping'.

Priorities of the 5 year period are:

- Storing batteries under roof
- Label used oil containers
- Dispose of street sweeping and other wastes at a municipal landfill
- Secondary containment of brine
- Inspect all floor drains annually and all storm water drains and ditches quarterly



FAIRFIELD COUNTY AND VIOLET 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	2015-IDDE policy 2016-Storm water pollution roads 2017-SPCC 2018- Construction site runoff 2019-Facility Storm Water pollution from facilities Fall of Each Year*	Fairfield County and Violet 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)
Greg Butcher, Eric McCrady and Chad Lucht							
List of Municipal Facilities Subject to Program							
County Service Garage-Lancaster MS4 area Township Service Center-Pickerington MS4 area Township Storage Facility-Pickerington MS4 area Fairfield County Port Authority (in process)-Adjacent to Lancaster MS4 area Tussing Rd. Water Reclamation Facility permit # 4PU00004*HD							
MS4 Maintenance	Summarize Maintenance Activities and Schedules						
	(Track as required for annual reporting)						
Disposal of Wastes	Procedures Developed (Yes or No)						
	Yes						
Road Salt	Covered (Yes or No)						
	Yes						
Pesticide & Herbicide Usage	Procedures Developed (Yes or No)						
	Yes						
Fertilizer Usage	Procedures Developed (Yes or No)						
	Yes, but they are not typically used by Fairfield County and Violet Township.						
Street Sweeping	Procedures Developed (Yes or No)						
	Yes, tracking receipts for proper disposal at an approved facility.						
Flood Management Projects	Summarize any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality						
	Actively involved with the public education campaign for the FIRM and FIS that became effective 1/12/12. Continued to issue Special Flood Hazard Development Permits.						
Holly Mattei, Tony Vogel, Eric McCrady, Greg Butcher and Chad Lucht							