

Greenville

STORM WATER MANAGEMENT PROGRAM

Submitted December 22, 2016

Greenville

Certification

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

Curt Garrison,

Safety / Service Director

Introduction

EXECUTIVE SUMMARY

The City of Greenville, Ohio (Darke County) is required to submit a storm water management program (SWMP) in accordance with 40 CFR Part 122.32 and Ohio Law. This document contains that program which will be executed during the five years of coverage under Ohio's General Permit. The goals of our program are 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 in accordance with the National Pollutant Discharge Elimination System and Ohio EPA's Phase II Storm Water program. The SWMP addresses the six minimum control measures as required by federal and state regulations. The Notice of Intent (NOI) was submitted and we received confirmation of continued coverage dated January 6, 2015. The updated SWMP will be submitted on December 22, 2016.

STATEMENT OF AUTHORITY

The City of Greenville, Ohio has the legal authority to perform all of the activities for which we claim responsibility in this Storm Water Management Program. These activities include but are not limited to adopting ordinances, performing inspections, and reviewing planning information. Where we do not have legal authority, we have assigned that responsibility to another body possessing the necessary authority to proceed in the manner described. The City of Greenville has agreed to allow and authorize the Darke Soil and Water Conservation District (DSWCD) to perform certain activities on behalf of Greenville.

PERMIT COVERAGE AREA

The storm water management program covers the area within Greenville identified by the US Census as part of the Urbanized Area. Greenville has a population of 13,227 residents, 75.45 miles of roadways and an unknown number of storm water outfalls of various sizes discharging to the waters of the state.

REPORTING

Greenville's storm water management program (SWMP) covers the area within the city corporation limit, as it may from time to time change due to annexations, etc. Annual reports will be submitted in accordance with permit requirements. The report will include the status of compliance with the permit conditions, an assessment of the appropriateness of the BMPs (best management practices) and progress towards achieving the measurable goals for each of the six minimum control measures. The report will be a summary of the activities to be undertaken during the next reporting cycle, including an implementation schedule. The report will also include any changes to BMPs or measurable goals and results of information collected and analyzed, if any, during the reporting period. The report will also contain proposed changes to our SWMP, including changes to any BMPs

or any identified measurable goals that apply to the program elements. The report will include notice of where we are relying on another entity to satisfy some of our permit obligations, if applicable.

Storm Water Management Program of Greenville

The plan outlines the six minimum control measures that are expected to result in significant reductions in pollutants discharged by Greenville.

The six minimum controls are:

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

Each measure will be addressed separately below. **Please note that in some cases, the “start” and “end” dates have been listed as “permit coverage date+ ___ months” or “PCD + ___months”.** Because the City of Greenville does not know when permit coverage will be officially conveyed by Ohio EPA, listing dates in such a manner will allow Greenville the full time period it believes is required to implement the BMP covered.

CITY OF GREENVILLE DEPARTMENTS AND AGENCIES

DEPARTMENT / GROUP	POINT OF CONTACT
City of Greenville Mayor	Steve Willman , Mayor 100 Public Square Greenville, OH 45331 (937) 548-1482
City Safety Service Director	Curt Garrison , Safety Service Director 100 Public Square Greenville, OH 45331 (937) 548-1819
Building and Zoning Division First and foremost, the Planning and Zoning Department is responsible for the design, bid preparation, construction, and administration of public capital improvements by the city.	Chad Henry , Planning and Zoning Director Chris Ward , Stormwater Technician 100 Public Square Room 120 Greenville, OH 45331 (937) 548-4930
Street Department The Street Department encompasses snow removal, storm sewer services, and more.	Ryan Delk , Superintendent 450 S. Ohio Street Greenville, OH 45331 (937) 548-2215
City Auditor Department The Auditor’s Office oversees all financial transactions of the city.	Roxanne Willman , Auditor 100 Public Square Room 200 Greenville, OH 45331 (937) 548-4435
City Income Tax Division The purpose of the Income Tax Department is to prepare tax documents, collect tax payments, and more.	Robin Henry , Income Tax Administrator 100 Public Square Greenville, OH 45331
City Utilities Office The Utility Billing Office is located on the first floor of the City Building in Room 140.	Betsy Smith , Utilities Office Manager 100 Public Square Room 140 Greenville, OH 45331 (937) 548-1815
City Fire Department The mission of the Greenville Fire Department is to protect the citizens of the City of Greenville and their property from the ravages of fires and explosions, the threat of hazardous material releases and any other emergencies or disasters, man-made or natural, that pose a threat to their health, welfare, and safety in cooperation with other emergency response agencies where and when assistance may be needed.	Russell L. Thompson , Chief 100 Public Square Greenville, OH 45331 (937) 548-3040

Greenville NPDES Phase II Storm Water Management Program

City Police Department The mission of the Greenville Police Department is to create a safe and comfortable community in which all people can live, work and visit.	Dennis Butts, Police Chief 122 W Main Street Greenville, OH 45331 (937) 548-4175
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CITY OF GREENVILLE STORM WATER IMPLEMENTATION

Safety Service Director	Curt Garrison 100 Public Square Greenville, OH 45331 (937) 548-1819
Stormwater Technician	Chris Ward 100 Public Square Room 120 Greenville, OH 45331 (937) 548-4930
Street Department Superintendent	Ryan Delk 450 S. Ohio Street Greenville, OH 45331 (937) 548-2215

PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS
Minimum Control Measure #1

PROGRAM OVERVIEW

Table 1:

Public Education and Outreach on Storm Water Impacts				
Implement a public education program to distribute materials to the community or conduct equivalent outreach activities to the community, in accordance with Part III.1.a of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Coordinate a workshop and tour focused on what drinking and wastewater systems are doing to impact water quality	Make available an annual site visit for at least 10 individuals	Start Date: 01/01/2017 End Date: 05/31/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water
Distribute annual newsletter to all city residents	Provide an annual information segment to Greenville residents about storm water activities and BMPs	Start Date: 03/01/2017 End Date: 10/31/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water
Radio Broadcasts/Public Service Announcements	Disseminate quarterly information related to storm water management via local media outlets and social media	Start Date: 01/01/2017 End Date: 12/31/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water
Exhibitor booth at the Great Darke County Fair	Annually rent space in the Coliseum at the County Fair held in Greenville promoting storm water BMPs	Start Date: 08/17/2017 End Date: 08/26/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water
Informational Meeting Presentations	Present at three local meetings and discuss the importance of storm water and BMPs	Start Date: 01/01/2017 End Date: 11/30/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water
School Presentations	Present to elementary and middle school classes at Greenville City Schools on the importance of protecting our storm water and implementation of BMPs	Start Date: 01/01/2017 End Date: 12/31/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water
Online archives	Develop and launch an online archive of storm water programs, events and materials that is accessible to the public	Start Date: 01/01/2017 End Date: 12/31/2017 Duration:	Darke Soil & Water Conservation District	To provide practical tools to protect storm water

DECISION PROCESS

Over the last five years we have seen the most effective way to reach the public has been working in the schools, utilizing local media outlets, hosting community workshops, attending local group meetings to get the message across about the importance of protecting our storm water system. Involving the youth and adults about their impacts to the storm water system and supplying them with the appropriate tools to implement at their home has been successful in the education of Greenville city residents. Darke Soil & Water Conservation District has utilized many partners to develop and implement these strategies.

RATIONALE STATEMENT

Informing individuals about reducing storm water pollution

Our media campaign targets individuals and households regarding the connection between their personal habits and the health of local streams.

Informing individuals and groups about becoming involved in the storm water program

Our public education component targets individuals and households regarding the connection between their personal habits and the quality and health of local streams and rivers. Using multiple means of communication, it is hoped a renewed interest in water quality will lead to positive changes in personal habits and behavior.

Target Audiences

This control measure will target homeowners, the general public, developers, and construction site designers. An informed and knowledgeable community is crucial to the success of the storm water management program. As the public becomes aware of the personal responsibilities expected of them and others in the community, including the individual actions they can take to protect or improve the quality of area waters, a greater compliance with storm water program will result. The program includes watershed-based efforts to inform and motivate the public.

The public education program will use a variety of strategies in which to reach a diverse audience. The media campaign will use a mix of media, print, broadcast and social media outlets like Twitter and Facebook. Training events target various professional, political and private audiences.

Target Pollutant Sources

Darke Soil & Water Conservation District has chosen a mix of BMPs to address appropriate pollutants in the Great Miami River Watershed, specifically Greenville Creek and the Stillwater River. In addition to raising awareness about watershed function, various programs will promote proper hazardous waste disposal, sediment and erosion control, and nutrient reduction.

Outreach Strategy

Media Campaign

In a recent national survey, 67% of Americans did not know how their everyday actions create water pollution, but most are willing to change simple behaviors once they are informed. Specific issues include but are not limited to: lawn care, household hazardous waste disposal, and vehicle maintenance. Through this campaign, we expect to reach 1,000 people annually or 5,000 people through the permit term.

Informational Meetings/Workshops

Darke Soil & Water Conservation District will coordinate a series of informational meetings for specific targeted audiences. These events will empower each audience to protect water resources and reduce storm water pollution. Audiences to be addressed are: public employees, general city residents and youth. The types of events will include but not limited to: interactive workshops and tours of storm water Best Management Practices (BMPs). Technical workshops and storm water tours will promote sediment and erosion control as well as conservation development and the reduction of storm water quantity. Through the training events and tours, we expect to reach 25 professionals annually, or 125 people throughout the permit term.

Darke Soil & Water Conservation District will initiate the presentation to Greenville Schools. These presentations will target elementary and middle school children and create an atmosphere where learning about protecting water is fun, relevant, and effective. Through the school presentations, we expect to reach 80 children annually or 400 throughout the permit term.

Responsible Party

Darke Soil & Water Conservation District and City of Greenville will be responsible for each of the BMPs within the Public Education and Outreach section on behalf of Greenville.

Evaluation Procedure

For all informational meetings, outreach and tours, success will be determined by the numbers of people attending and by qualitative data gathered via program feedback forms. Quantity of educational materials created and distributed to city residents will also determine success of public outreach and education work.

PUBLIC INVOLVEMENT / PARTICIPATION

Minimum Control Measure #2

PROGRAM OVERVIEW

Table 2:

Public Involvement / Participation				
Implement a public involvement and participation program which at a minimum complies with State and local public requirements, in accordance with Part III.B.2.a of Ohio's General Permit.				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Stream team volunteer training on Greenville Creek or the Stillwater River.	Facilitate training of 20 new volunteers throughout the Stillwater River Watershed each year	Start Date: 05/01/2017 End Date: 09/30/2017 Duration:	Darke Soil and Water Conservation District	To raise awareness of stream health for those participating
Educational Canoe Float	Organize and host an annual canoe float on Greenville Creek or the Stillwater River for at least 40 people.	Start Date: 05/01/2017 End Date: 09/30/2017 Duration:	Darke Soil and Water Conservation District	To raise awareness of stream health for those participating
Conservation Focused Workshops	Hold 3 workshops annually focused on conservation BMPs (rain barrels, rain gardens, nutrient management, composting, garden cover crops, soil sampling, etc.)	Start Date: 01/01/2017 End Date: 12/31/2017 Duration:	Darke Soil and Water Conservation District	To raise awareness of stream health for those participating
Greenville Street Department Field Day	Provide storm water education to at least 50 elementary kids annually	Start Date: 04/01/2017 End Date: 06/30/2017 Duration:	Darke Soil and Water Conservation District	To raise awareness of stream health for those participating
Rain Barrel Decorating Contest	Hold an annual contest between county high schools with a planned theme to promote rain barrel use for city residents.	Start Date: 01/01/2017 End Date: 12/31/2017 Duration:	Darke Soil and Water Conservation District	To raise awareness of stream health and how collection of rain water can improve quality
Lawn and Garden Soil Sampling Programs	Collect soil samples twice per year for city residents to understand nutrient needs and reduce over application	Start Date: 03/01/2017 End Date: 10/31/2017 Duration:	Darke Soil and Water Conservation District	To raise awareness of stream health and how reduction of unneeded fertilizer applications on the lawn and garden can lead to negative storm water impacts

DECISION PROCESS

We have chosen the following strategy and programs to effect change in the attitudes and behaviors of residents. Details about our plan's measurable goals, timeline, responsible party, and rationale for choosing those goals are contained within the program overview chart above.

RATIONALE STATEMENT

Informing the public in the Storm Water Management Plan development

Greenville will involve the public in development of its SWMP by complying with public notice requirements and local media announcements.

Target audiences

Our Public Involvement and Participation program targets several audiences: Children, the general public, and decision-makers. We will utilize methods and messengers that appeal to and reach the broadest possible spectrum of ethnic and economic audiences. Many of our programs will involve affected stakeholder groups such as private businesses, environmental groups, homeowners associations, and educational institutions.

Activities

The activities that we have chosen are listed in Table 2. They include citizen volunteer monitoring, support and participation in a network of non-profits, agencies, businesses, and citizens who are interested in protecting the Stillwater River watershed. Greenville will develop a SWMP-specific section on its webpage (www.cityofgreenville.org) and other materials related to SWMP materials and events on the Darke Soil and Water Conservation District webpage (www.darkeswcd.com).

Responsible Party

The Darke Soil and Water Conservation District and the City of Greenville is responsible for oversight and implementation of the Public Involvement and Participation program for the communities listed in Table 2.

Evaluation

Success will be measured by meeting the deadlines for completing the goals set for implementing the Public Involvement and Participation program

ILLICIT DISCHARGE DETECTION AND ELIMINATION

Minimum Control Measure #3

PROGRAM OVERVIEW

Table 3:

Illicit Discharge Detection and Elimination				
Continue updating storm sewer system map, in accordance with Part III.B.3.b of Ohio's General Permit.				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Add private post-construction BMPs to storm sewer map	Add private BMPs showing sewer system and outfalls to potential receiving waters (Part III.B.3.b)	Start Date: PCD End Date: on-going	Greenville	To identify and stop illicit discharges, an updated mapping system is needed
Work with County Board of Health to update the list of on-site sewage disposal systems (a.k.a. home sewage systems)(Part III.B.3.c.i)	Continue to identify septic systems within city limits of Greenville	Start Date: PCD End Date: on-going	Greenville / County Board of Health	To monitor home sewage treatment system in case new issues arise without City knowledge
Create an ordinance or other regulation to prohibit non storm-water discharges into the MS4, in accordance with Part III.B.3.d of Ohio's General Permit.				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Amend ordinances to control non-storm water discharges. After reviewing current ordinance it was decided to be too vague	Amend ordinances to more clearly describe Illicit discharge and elimination ordinances. To include allowed / disallowed types of discharges.	Start Date: PCD End Date: PCD + 60 months	Greenville	Amend ordinance that eliminates illicit discharges to the Ms4 via enforceable actions. Previous or
Identify and eliminate illicit discharges, in accordance with Part III.B.3.1.4 of Ohio's General Permit.				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Inspect 100% of required outfalls in dry weather	City staff will visually inspect outfalls during dry weather periods to catalogue flows if any.	Start Date: PCD End Date: on-going	Greenville	To provide tracking to potential illicit discharges
Educate various audiences about the hazards associated with illegal discharge and improper disposal of waste, in accordance with Part III.B.f of Ohio's Permit.				

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BMP	Measurable Goal	Time	Responsible Party	Rationale
Provide brochure to public, newsletter, in conjuncture with DSWCD public education program	Purchase / develop approx.. 1000 brochures that provide general program education and objectives and provide them to interested parties	Start Date: PCD End Date: annual	Greenville / DSWCD	To supply a single message to multiple interested groups

DECISION PROCESS

Working with the waste water treatment plant as well and the health department it’s been determined that Greenville does not have any HSTS that drain into our MS4. The waste water treatment plant continues to attempt to allow property owners future connection options as sanitary systems become upgraded and extended to within 200 feet of said properties. City stormwater technician over the last 5 year program has identified all City outfalls to the stream and dry weather screening of those outfalls is scheduled throughout the next permit cycle. Details about our plan’s measureable goals, timeline, responsible party, and rationale for choosing those goals are contained within the program overview chart above.

RATIONALE STATEMENT

Storm Sewer Map Development Process part III.B.3.b

Greenville maintains an undetermined number of miles of storm lines and dozens of catch basins. Greenville has updated all our plans and plans on continuing to update our maps as news businesses build and develop throughout Greenville. The current storm water maps will also include the handful of properties that are currently too far away from City sanitary lines to legally require them to connect to the system. Those properties are currently self-contained HSTS not draining into our MS4 system.

Regulatory Mechanism Development Part III.B.3.d

Greenville currently has ordinances that prohibit the discharge of certain pollutants to the MS4. Greenville will review these ordinances to insure prohibited discharges listed in the general NPDES permit are regulated.

Enforcement and Implementation Part III.B.3.e

Our program will ensure appropriate enforcement procedures and actions so that implementation of the illicit discharge detection and elimination program will be effective to the maximum extent practicable.

Illicit Discharge Detection and Elimination Part III

Greenville staff will physically inspect storm water outfalls during periods of weather. If water is witnessed during these times, additional investigation of possible sources of

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discharge draining to each location will occur. Inspections of businesses and industries will occur to fully investigate possible sources. (*See permit additional requirements)

Methods of Informing Various Audiences about Hazards Associated with Illegal Discharges part III.B.3.f.

Greenville will provide education to various audiences about the hazards of illicit discharges through the Darke Soil and Water Conservancy District public education program and public services announcements.

Responsible Party

The responsible party for overall management and implementation of our storm water illicit discharge detection and elimination program and the responsible party for each of the BMPs are defined in the table included above.

Evaluation

Success will be measured by meeting the deadlines we have set for our work in developing this program for detecting and eliminating illicit discharges.

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

Minimum Control Measure #4

PROGRAM OVERVIEW

Table 4:

Construction Site Storm Water Runoff Control				
Create an ordinance or other regulation requiring erosion and sediment controls on disturbed sites equal to or greater than one acre that includes sanctions to help ensure compliance, in accordance with Part III.B.4.a.i of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Ordinance developed by EMH&T for the City of Greenville referring directly to the new NPDES phase II permit regarding sediment and erosion control	Ordinance updated to more clearly identify our pre-construction regulatory requirements	Start Date: PCD End Date: PCD	Greenville	To add language that more clearly describes the erosion and sediment controls already being conducted by City of Greenville
Required construction site operators to implement appropriate erosion and sediment control BMPs, in accordance with Part III.B.4.a.ii of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Ordinance developed by EMH&T for the City of Greenville referring directly to the new NPDES phase II permit regarding construction site erosion and sediment control	Ordinance updated to more clearly identify our list of acceptable controls for erosion and sediment controls	Start Date: PCD End Date: PCD	Greenville	To add language that more clearly describes the erosion and sediment BMPs already being conducted by City of Greenville
Required construction site operators to control waste, including discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste, in accordance with Part III.B.4.a.iii of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Ordinance developed by EMH&T for the City of Greenville referring directly to the new NPDES phase II permit regarding the control of site-generated waste	Ordinance updated to more clearly identify control construction site waste disposal practices	Start Date: PCD End Date: PCD	Greenville	To add language that more clearly describes the control of waste already being conducted by City of Greenville

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Develop and implement procedures for site plan review which incorporates consideration of potential water quality impacts, in accordance with Part III.B.4.iv of Ohio's General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Ordinance developed by EMH&T for the City of Greenville referring directly to the new NPDES phase II permit regarding site plan review procedures	Ordinance updated to more clearly identify dealing with site plan review process	Start Date: PCD End Date: PCD	Greenville	To add language that more clearly describes the plan review process being conducted by City of Greenville
Develop and implement procedures for receipt and consideration of information submitted by the public, in accordance with Part III.B.4.v of Ohio's General Permit.				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Review public involvement procedures	Review current public involvement procedures to insure public is aware of construction site maintenance requirements	Start Date: PCD End Date: PCD	Greenville	To insure public is aware of potential water quality issues
Develop and implement procedures for site inspection and enforcement of control measures, in accordance with Part III.B.4.vi of Ohio's General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Our current inspection requirements already has a city staff member inspecting construction sites to ensure control measures	Develop a standardized site inspection / record form for use by city staff during routine daily activities to log site compliance with requirements	Start Date: PCD End Date: PCD	Greenville	Multiple site visits by different staff will help long term controls

DECISION PROCESS

The previous set of regulations was not clear enough to give the City a clear set of regulations without having possible gray areas that could be misunderstood by developers. The benefits of clarifying these requirements are many and include: the reduction of variety of requirements currently in place, simplification of process for developers in complying with different requirements. Details about our plan's measurable goals, timeline, responsible party, and rationale for choosing those goals are contained within the program overview chart above.

RATIONALE STATEMENT

Regulatory Mechanism Development

Greenville currently has ordinances that limit the maximum allowed discharge rate of storm water from new developments for all but largest rain events. This ordinance is to be updated to more clearly state the requirements associated with the new OPEA NPDES general permit.

Enforcement

Greenville currently has ordinances that require construction site debris and trash be controlled and properly disposed.

Construction Site BMPs and Waste Control

Greenville currently has ordinances that require construction site debris and trash be controlled and properly disposed.

Site Plan Review

Greenville currently has documentable site plan review procedures. These procedures will be reviewed for applicability to insure sufficient review is given of water quality issues. The new ordinance will more clearly state the City requirements already being conducted by city officials.

Information from the Public

Greenville currently has documentable site plan review procedures. These procedures will be reviewed for applicability to insure sufficient review is given of water quality issues. We currently review plans in house and have a locate Engineering company review the hydrology to insure compliance with current City NPDES permit.

Site Inspection Procedures

Construction site inspections are performed by Greenville staff during routine daily activities. Added inspections occur if public complaints are received regarding muddied streets and debris escaping the construction area. Standardized procedures to insure sufficient inspections are occurring and complaints are being adequately addressed will be established.

Responsible Party

The responsible party for overall management and implementation of the construction site storm water runoff control program and the responsible party for each of the BMPs are within this plan.

Evaluation

Success will be measured by meeting the deadlines we have set for our work in developing our program for construction site storm water runoff control.

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Minimum Control Measure #5

PROGRAM OVERVIEW

Table 5:

Post-Construction Storm Water Management in New Development and Redevelopment				
Develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, in accordance with Part III.B.5.a.of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Continue develop standard process of reviewing plans, etc.	The City already has a development requirement in planning and zoning regulations	Start Date: PCD End Date: PCD	Greenville	To be the most efficient in reviewing plans
Continue to enforce requirement of retention/detention of storm water	Update ordinance to insure requirements are sufficient and understandable	Start Date: PCD End Date: PCD	Greenville	To minimize high rate of discharge of stormwater during most rain events; to minimize erosion and discharge of sediment
Develop and implement strategies which include a combination of structural and/or non-structural BMPs, in accordance with Part III.B.5.b of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Review and update planning requirements per City’s Comprehensive Plan	Amend ordinances if necessary to reflect updated comprehensive plan land use requirements	Start Date: PCD End Date: PCD	Greenville	To align land use requirements with ordinance-based controls
Use a regulatory mechanism to address post-construction runoff from new development or redevelopment projects, in accordance with Part III.B.5.c of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Ordinance developed by EMH&T for the City of Greenville regarding retention/detention area maintenance responsibilities	Ordinance updated to more clearly identify retention/detention areas maintained by home owners or City	Start Date: PCD End Date: PCD	Greenville	To add language that more clearly describes the retention/detention area maintenance responsibilities from previous ordinance

Ensure adequate and long-term operation and maintenance of BMPs, in accordance with Part III.B.5.d of Ohio’s General Permit.				
BMP	Measurable Goal	Time	Responsible Party	Rationale
The current funding source, via storm water fee, is allowing the City to maintain city BMPs through street department activities	No measurable goal do to previous fee currently working	Start Date: PCD End Date: PCD	Greenville	The current storm water fee has been adequate to allow the City to complete the BMPs planned throughout the previous permit

DECISION PROCESS

The previous set of regulations was not clear enough to give the City a clear set of regulations without having possible gray areas that could be misunderstood by developers. The benefits of clarifying these requirements are the simplification of process for developers in complying with different requirements. The current planning and zoning requirements already have a review requirement which has allowed the City officials to review all aspects of the projects before any work begins. Details about our plan’s measurable goals, timeline, responsible party, and rationale for choosing those goals are contained within the program overview chart above.

RATIONALE STATEMENT

Program and Priority Areas

Greenville requires erosion control measures to be installed prior to soil movement on constructions sites. Routine inspections of these erosion controls practices are required. Greenville will develop standardized inspection procedures and tracking documents to insure adequate inspections occur.

Program and Community

This program will be tailored to the local community by minimizing water quality impacts through maintaining pre-development run-off conditions.

Non-structural BMPs as Appropriate

Greenville requires minimum types of structural and non-structural measures to minimize erosion and sedimentation during construction operations. Greenville will review its list of approved BMPs and amend the list of warranted to improve BMP adequacy.

Structural BMPs as Appropriate

As determined practicable by our community, we will incorporate structural BMPs such as detention / wet ponds, filtration via grassed swales, bio-retention cells, sand filters, filter stripes, and infiltrate basins/trenches into the program.

Regulatory Mechanisms

Greenville has adopted and enforces ordinances voted on by City Council. Greenville believes its current ordinances are adequate to allow the SWMP to be initially implemented. On-going review of ordinances will be required.

Long-Term Operation and Maintenance

O&M will entail routine review of procedures used to enact BMPs. Through regional meetings with other MS4 representatives, we will amend our BMPs in a goal to enact “best in practice” procedures where appropriate.

Responsible Party

The responsible party for overall management and implementation of the storm water post-construction runoff control program and the responsible party for each of the BMPs are defined in the table contained in the program overview chart above.

Evaluation

Success will be measured by meeting the deadlines we have set for our work in developing our program for post-construction runoff control.

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Minimum Control Measure #6

PROGRAM OVERVIEW

Table 6:

Pollution Prevention/Good Housekeeping for Municipal Operations				
Develop and implement an operation and maintenance program that includes a training component to prevent/reduce pollutant runoff from municipal operations, in accordance with Part III.B.6.a of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Provide staff training on vehicle fluid recycling plan	Provide pollution prevention training and spill control training to city staff that drive heavy equipment/trucks	Start Date: PCD End Date: permit expiration Duration: annual training item	Greenville	To enable city staff to understand how vehicle fluids should be recycled and spills/leaks minimized and cleaned up
Review and update, if needed, the previous Pollution Prevention Manual created during the previous SWMP	Review the previous manual and research any issues that have arisen from the street department staff	Start Date: PCD End Date: PCD	Greenville	To enable city staff to reevaluate the previous manual for possible corrections or additions in order to help with shop maintenance while protecting the drainage system around City department
Use available training materials to train employees to prevent/reduce storm water pollution from park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance, in accordance with 3.2.6.1.2 of Ohio’s General Permit				
BMP	Measurable Goal	Time	Responsible Party	Rationale
Provide staff training about preventing pollution on the job	Provide training either it be written or video to ensure each employee	Start Date: PCD End Date: permit expiration	Greenville	To provide necessary information and tools to protect water quality

DECISION PROCESS

We have established Pollution Prevention Manual during the previous permit. We also installed filters on all street department facility catch basins to help eliminate any storm water contamination from our own site. This is also used this as an example for other local businesses. Our current Storm Water Management Plan addresses pollution prevention and good housekeeping for municipal operations. Details about our plan’s measurable

goals, timeline, responsible party, and rationale for choosing those goals are contained within the program overview chart above.

RATIONALE STATEMENT

Operation and Maintenance Program

Greenville has one street sweeper that is used year-round (weather permitting) to remove debris from curb lines, thus preventing their discharge into the MS4. Greenville plans on maintaining this vehicle and using it to help remove debris.

Government employee training program

Annual training of key employees that routinely operate heavy equipment/vehicle will occur to provide standardized spill control procedures. It will be the goal to minimize/prevent the migration of leaks/spills of vehicle fluids into the MS4. Training in the proper use and disposal of absorbent materials will be provided.

Program Description

Our program will include maintenance activities and schedules and long-term inspection procedures to reduce floatables and pollutants to the MS4. It will provide controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, and salt/sand storage locations and snow removal areas. Procedures for proper disposal of waste removed from MS4 and municipal will be implemented, including dredge spoil, accumulated sediments, floatables and other debris. New flood management projects will assess impacts on water quality and we will assess existing projects for additional water quality protection devices or practices that could be added

Responsible Party

The responsible party for overall management and implementation of the storm water post-construction runoff control program and the responsible party for each of the BMPs are defined in the table in the program overview chart above.

Evaluation

Success will be measured by meeting the deadlines we have set for our work in developing this program for construction site storm water runoff control.

Sharing Responsibility

GREENVILLE'S RESPONSIBILITIES

Darke Soil and Water Conservation District (DCWCD) has agreed to accept responsibility for the measurable goals so indicated in this document on behalf of our community. DSWCD has agreed to accept these responsibilities under this regulation and also to fulfill objectives within their existing Strategic Plan. By doing so, a watershed approach to the Phase II program will occur.

OTHER RESPONSIBLE PARTIES

Darke Soil and Water Conservation District (DCWCD) and the City of Greenville (Greenville) are the only two entities listed in the SWMP. Each entity is fully aware which BMPs they are responsible for.

Monitoring, Record Keeping, and Reporting

MONITORING

Each responsible party will monitor and evaluate the success of their commitments. As appropriate, they will utilize procedures approved by the Ohio Revised Code. SWMP evaluation will be discussed in the annual report required of the general NPDES permit.

RECORD KEEPING

Each responsible party will keep accurate, regular records including, as appropriate, all calibration and maintenance records and all original strip chart recordings for a continuous monitoring instrumentation, copies of all reports required by this permit, copies of monitoring reports, a copy of the NPDES permit, and records of all data used to complete the NOI application for this permit, for a period of at least three years from the date of the sample, measurement, report or application, or for the term of this permit, whichever is longer.