



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2018 TO JUNE 30, 2019

GENERAL INFORMATION					
Permittee Name:	Monroe Township	NPDES Permit No.:	PAG133573		
Mailing Address:	1220 Boiling Springs Road	Effective Date:	N/A		
City, State, Zip:	Mechanicsburg, PA 17055	Expiration Date:	N/A		
MS4 Contact Person:	Holly Wood	Renewal Due Date:			
Title:	Administrative Assistant	Municipality:	Monroe Township		
Phone:	(717) 258-6642	County:	Cumberland		
Email:	hwood@monroetwp.net				
Co-Permittees (if applicable): N/A					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input checked="" type="checkbox"/> Appendix B <input checked="" type="checkbox"/> Appendix C <input checked="" type="checkbox"/> Appendix D <input checked="" type="checkbox"/> Appendix E <input type="checkbox"/> Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).					
Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Trindle Spring Run	CWF, MF	Yes	PCB, TSS	Yes	No
Yellwo Breeches Creek	CWF, MF	No	N/A	No	No
Dogwood Run	CWF	Yes	Pathogens, Organic Enrichment/Low D.O., TSS	No	No

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

Have you completed all MCM activities required by the permit for this reporting period? Yes No

List the current entity responsible for implementing each MCM of your SWMP, along with contact name and phone number.

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Monroe Township	Holly Wood	(717) 258-6642
#2 Public Involvement/Participation	Monroe Township	Holly Wood	(717) 258-6642
#3 Illicit Discharge Detection and Elimination (IDD&E)	Monroe Township	Holly Wood	(717) 258-6642
#4 Construction Site Storm Water Runoff Control	CCCD	Vince McCollum	(717) 240-7812
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Monroe Township	Holly Wood	(717) 258-6642
#6 Pollution Prevention / Good Housekeeping	Monroe Township	Holly Wood	(717) 258-6642

MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

BMP #1: Develop, implement and maintain a written Public Education and Outreach Program.

1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?
 Yes No

2. Date of latest annual review of PEOP: June/July 2018 Were updates made? Yes No

3. What were the plans and goals for public education and outreach for the reporting period?
Refer to Appendix A MCM #1 for a detailed accounting of PEOP activities/plans/goals.

4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period? Yes No

5. Identify specific plans and goals for public education and outreach for the upcoming year:
Continue past practices and work with other organizations to educate target audiences.

BMP #2: Develop and maintain lists of target audience groups present within the areas served by your MS4.

1. For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?
 Yes No

2. Date of latest annual review of target audience lists: 10/2018 Were updates made? Yes No

BMP #3: Annually publish at least one educational item on your Stormwater Management Program.

1. For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?

3800-FM-BCW0491 9/2017
Annual MS4 Status Report

Yes No

2. Date of latest annual review of educational materials: 10/2018

Were updates made? Yes No

3. Do you have a municipal website? Yes No (URL:
http://monroetwp.net/community/ms4_stormwater_management.php
#)

If Yes, what MS4-related material does it contain?

Dedicated MS4 stormwater page with links to other agencies and associations. Overview of MS4; prevention; IDD&E MS4 Annual Reports; Pollutant Reduction Plan, Stormwater Management and Illicit Discharge Ordinances; downspout planter information; rain barrel info; IDD&E discharge and complaint reporting forms.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:
Refer to Appendix A of this report for a detailed accounting of 2018/2019 MS4 activities and methods used during the reporting period to provide information to the public.
5. Identify specific plans for the publication of stormwater materials for the upcoming year:
Continue to regularly review and revise educational materials as appropriate. Work with other organizations to host joint public and municipal training sessions during 2019/2020. Continue to publish public outreach educational articles in local newspaper, newsletters and website.

BMP #4: Distribute stormwater educational materials to the target audiences.

Identify the two additional methods of distributing stormwater educational materials during the previous reporting period (e.g., displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements, bill stuffers, posters, presentations, conferences, meetings, fact sheets, giveaways, or storm drain stenciling).

EPA Clean Water Flyer was included in the October 2018 Newsletter. A direct mailer titled "2018 MS4 Educational Outreach" was created and mailed December 2018 to residents living in the regulated MS4 area. Refer to Appendix A for a detailed accounting of 2018/2019 MS4 activities and methods used during the reporting period to distribute stormwater educational materials.

MCM #1 Comments:

Please refer to Appendix A of this report for a detailed accounting of activities carried out during the reporting period 2018/2019.

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

BMP #1: Develop, implement and maintain a written Public Involvement and Participation Program (PIPP)

1. For new permittees only, was the PIPP developed and implemented within one year of permit coverage?
 Yes No
2. Date of latest annual review of PIPP: June/July 2018 Were updates made? Yes No

BMP #2: Advertise to the public and solicit public input on ordinances, SOPs, Pollutant Reduction Plans (PRPs) (if applicable) and TMDL Plans (if applicable), including modifications thereto, prior to adoption or submission to DEP:

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? Yes No
2. If Yes, describe how you advertised the draft document(s) and how you provided opportunities for public review, input and feedback:
3. If an ordinance, SOP or plan was developed or amended during the reporting period, provide the following information:

Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP
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BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods.

1. At least one public meeting or other MS4 event must be held during the 5-year permit coverage period to solicit participation and feedback from target audience groups. Was this meeting or event held during the reporting period?

Yes No If Yes, Date of Meeting or Event:

2. Report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed and conservation organizations; and similar instances of participation or coordination with organizations in the community.

Township website provides links to the Yellow Breeches Watershed Association, StormwaterPA, Cumberland County Trout Unlimited, CCCD, EPA, Alliance for the Bay, Chesapeake Bay Foundation, etc. Township participated in a CapCOG joint/collaborative advertisement published in the Patriot News on June 2, 2019.

3. Report activities in which members of the public assisted or participated in the meetings and in the implementation of the SWMP, including education activities or efforts such as cleanups, monitoring, storm drain stenciling, or others.

A website link titled "The Importance of Cleaning Up After Your Pet" was added to the Township website 08/30/2018. This link was provided by a student and her tutor that found their way to the Township website while conducting a water research project. They found the information helpful to their research and wanted to pay it forward by providing a link they found helpful to their project. The Township is currently soliciting volunteers to serve on an MS4 Advisory Committee. To date, four people have expressed interest in serving on this committee.

MCM #2 Comments:

Please refer to Appendix A of this report for a detailed accounting of activities carried out during the reporting period 2018/2019.

MCM #3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E)

BMP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated small MS4.

1. For new permittees only, was the written IDD&E program developed within one year of permit coverage?

Yes No

2. Date of latest annual review of IDD&E program: June/July 2018 Were updates made? Yes No

BMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if applicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls and observation points shall be numbered on the map(s).

1. Have you completed a map(s) that includes all components of BMP #2? Yes No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

2. Date of last update or revision to map(s): 07/11/2017

3. Total No. of Outfalls in MS4: 14 Total No. of Outfalls Mapped: 14

4. Total No. of Observation Points: 2 Total No. of Observation Points Mapped: 2

5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?

Yes No

If Yes, select: Existing Outfall(s) Identified New Outfall(s) Proposed

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the permittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, channels, and any other components of the storm sewer collection system), including privately-owned components of the collection system where conveyances or BMPs on private property receive stormwater flows from upstream publicly-owned components.

1. Have you completed a map(s) that includes all components of BMP #3? Yes No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? Yes No

3. Date of last update or revision to map(s): 08/2017

BMP #4: Conduct dry weather screenings of MS4 outfalls to evaluate the presence of illicit discharges. If any illicit discharges are present, the permittee shall identify the source(s) and take appropriate actions to remove or correct any illicit discharges. The permittee shall also respond to reports received from the public or other agencies of suspected or confirmed illicit discharges associated with the storm sewer system, as well as take enforcement action as necessary. The permittee shall immediately report to DEP illicit discharges that would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property.

For new permittees, all identified outfalls (and if applicable observation points) must be screened during dry weather at least twice within the 5-year period following permit coverage. For existing permittees, all identified outfalls (and if applicable observation points) must be screen during dry weather at least once within the 5-year period following permit coverage and, for areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls must be screened annually during each year of permit coverage.

1. How many unique outfalls (and if applicable observation points) were screened during the reporting period? 0

2. Indicate the percentage of all outfalls screened in the past five years. 100%

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 0%

4. Did any dry weather flows reveal color, turbidity, sheen, odor, floating or submerged solids? Yes No

5. If Yes for #4, attach all sample results to this report with a map identifying the sample location. Explain the corrective action(s) taken in the attachment.

6. Do you use the MS4 Outfall Field Screening Report form (3800-FM-BCW0521) provided in the permit?

Yes No

If No, attach a copy of your screening report form.

BMP #5: Enact a Stormwater Management Ordinance or SOP to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that prohibits non-stormwater discharges? Yes No

If Yes, indicate the date of the ordinance or SOP: 2011-03 - 10/13/11 & 2014-04 - 05/18/2014

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? Yes No

If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period? Yes No

If Yes to #3, complete the table below (attach additional sheets as necessary).

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken
September 2017	Concrete truck washing without concrete washout protection in place & dumpster leaking.	Trindle Station Contractor	Township Engineer addressed with Developer
October 2018	Auto accident/diesel fuel discharge on Williams Grove Road.	Vehicle Driver	Notified DEP and Contained and Cleaned Up Release
February 2019	Auto accident/fuel discharge on Lutztown/Boiling Springs Road	Vehicle Driver	Contained and Cleaned Up Release

4. Did you approve any waiver or variance during the reporting period that allowed an exception to non-stormwater discharge provisions of an ordinance or SOP? Yes No

If Yes to #4, identify the entity that received the waiver or variance and the type of non-stormwater discharge approved.

BMP #6: Provide educational outreach to public employees, business owners and employees, property owners, the general public and elected officials (i.e., target audiences) about the program to detect and eliminate illicit discharges.

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period? Yes No

If Yes, what was distributed? Township website includes information about IDD&E & reporting & complaint forms.

2. Is there a well-publicized method for employees, businesses and the public to report stormwater pollution incidents? Yes No

3. Do you maintain documentation of all responses, action taken, and the time required to take action? Yes No

MCM #3 Comments:

Please refer to Appendix A of this report for a detailed accounting of IDD&E activities conducted during the reporting period 2018/2019.

MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?

Yes No

(If Yes, respond to questions for BMP Nos. 1, 2 and 3 only in this section. If No, respond to questions for all BMPs in this section)

BMP #1: The permittee may not issue a building or other permit or final approval to those proposing or conducting earth disturbance activities requiring an NPDES permit unless the party proposing the earth disturbance has valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102.

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)?

Yes No Not Applicable (no building permit applications received)

BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.

During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)?

Yes No Not Applicable (no building permit applications received)

BMP #3: Enact, implement and enforce an ordinance or SOP to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs? Yes No

If Yes, indicate the date of the ordinance or SOP: 2011-03 - 10/13/2011 and 2014-04 - 05/18/2014

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #4: Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.

Specify the number of E&S Plans you reviewed during the reporting period: N/A

BMP #5: Conduct inspections regarding installation and maintenance of E&S control measures during earth disturbance activities. Maintain records of site inspections, including dates and inspection results, in accordance with the record retention requirements in this permit.

Specify the number of E&S inspections you completed during the reporting period: N/A

BMP #6: Conduct enforcement when installation and maintenance of E&S control measures during earth disturbance activities does not comply with permit and/or regulatory requirements.

Specify the number of enforcement actions you took during the reporting period for improper E&S: N/A

BMP #7: Develop and implement requirements for construction site operators to control waste at construction sites that may cause adverse impacts to water quality. The permittee shall provide education on these requirements to construction site operators.

Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:

N/A

BMP #8: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public to the permittee regarding local construction activities.

1. A tracking system has been established for receipt of public inquiries and complaints. Yes No

2. Specify the number of inquiries and complaints received during the reporting period: N/A

MCM #4 Comments:

Township's Stormwater Management and Illicit Discharge Ordinances are mostly consistent with DEP's 2022 Model Stormwater Management Ordinance. There are minor differences between the enacted ordinances and DEP's model. The Township will be revising its ordinances to be consistent with DEP's model. Copy of revised ordinances will be provided with a future Annual Status Report not later than 09/30/2022.

MCM #5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

BMP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs? Yes No
If Yes, indicate the date of the ordinance or SOP: 2011-03 - 10/13/2011 and 2014-04 - 05/18/2014
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment. Measures should also be included to encourage retrofitting LID into existing development. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that encourages and expands the use of LID in new development and redevelopment? Yes No
If Yes, indicate the date of the ordinance or SOP:
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #3: Ensure adequate O&M of all post-construction stormwater management BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale.

1. Do you have an inventory of all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003? Yes No
If Yes to #1, complete Table 1 on the next page.
2. Has proper O&M occurred during the reporting period for all PCSM BMPs? Yes No
3. If No to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.

If you are relying on PA's statewide program for stormwater associated with construction activities, you may skip to MCM #6, otherwise complete all questions for BMPs #4 - #6 in this section.

BMP #4: Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions.

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale):
2. Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?
 Yes No

PCSM BMP INVENTORY

Table 1. To complete the information needed for MCM #5, BMP #3, list all existing structural BMPs that discharge stormwater to the permittee's MS4 that were installed to satisfy PCSM requirements for earth disturbance activities under Chapter 102, and provide the requested information (see instructions).

BMP No.	BMP Name	DA (ac)	Entity Responsible for O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
1	Refer to Appendix B of this report.			o ' "	o ' "			
2				o ' "	o ' "			
3				o ' "	o ' "			
4				o ' "	o ' "			
5				o ' "	o ' "			
6				o ' "	o ' "			
7				o ' "	o ' "			
8				o ' "	o ' "			
9				o ' "	o ' "			
10				o ' "	o ' "			
11				o ' "	o ' "			
12				o ' "	o ' "			
13				o ' "	o ' "			
14				o ' "	o ' "			
15				o ' "	o ' "			
16				o ' "	o ' "			

BMP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall inspect all qualifying development or redevelopment projects during the construction phase to ensure proper installation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were not, installed properly).

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?
 Yes No Not Applicable (no qualifying projects during reporting period)
2. Has a tracking system been established and maintained to record results of inspections?
 Yes No

BMP #6: Develop a written procedure that describes how the permittee shall address all required components of this MCM.

Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed? Yes No

MCM #5 Comments:

MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

BMP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for generating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the permittee.

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4? Yes No
2. When was the inventory last reviewed? June/July 2018
3. When was it last updated? 06/2016

BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4.

1. Have you developed a written O&M program for the operations identified in BMP #1? Yes No
2. Date of last review or update to written O&M program: June/July 2018

BMP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from operations to the regulated small MS4. All relevant employees and contractors shall receive training.

1. Have you developed an employee training program? Yes No
2. Date of last review or update to training program: June/July 2018 Date of latest training: 12/12/2018

3. Training topics covered:
Performing Annual Outfall Inspections
4. Name(s) of training presenter(s):
Mark Harman of ARRO
5. Names of training attendees:
Greg Hertzler and Adam Chronister

MCM #6 Comments:

Please refer to Appendix A of this report for detailed reporting of training activities, topics, & attendees during the reporting period 2018/2019.

POLLUTANT CONTROL MEASURES (PCMs)

Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable.

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)	July 2019	<input checked="" type="checkbox"/>	September 30, 2019
Source Inventory		<input type="checkbox"/>	September 30, 2020
Investigation of Suspected Sources		<input type="checkbox"/>	September 30, 2022
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	September 30, 2022

PCM Comments:

Requirements of Appendices B and C will be addressed moving forward and in compliance with the schedules as outlined in PADEP's Sample PAG-13 NPDES Permit and PAG-13 MS4 Summary of Scheduled Requirements (3800-PM-BCW01001 dated 5/2016).

POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

1. Complete this section if the development and submission of a PRP and/or TMDL Plan was required as an attachment to the latest NOI or application or was required by the permit, regardless of whether DEP has approved the plan(s).

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			Chesapeake Bay
<input type="checkbox"/> Impaired Waters PRP (Appendix E)			
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input checked="" type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP	09/15/17		Chesapeake Bay, Dogwood Run, Trindle Spring Run
<input type="checkbox"/> Combined PRP / TMDL Plan			

- Joint Plan (if checked, list the name of the MS4 group or names of all entities participating in the joint plan below)

Joint Plan Participants:

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).

Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input type="checkbox"/> Impaired Waters PRP (Appendix E)			
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input checked="" type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP	58,616.31		
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: 06/30/2023

4. Have any modifications to the plan(s) occurred since DEP approval? Yes No

If Yes to #4, was the updated plan(s) submitted to DEP? Yes No

If Yes to #4, did you comply with the public participation requirements of the applicable appendix? Yes No

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

Township applied for grant funding for implementation of one of the PRP BMPs through the Water Quality Improvement Projects Along the Mariner East 2 Pipeline Corridor (WQIP) & the Growing Greener Plus - Growing Green - Growing Greener Programs. The Township did not receive any grant funding from this effort. One outcome of the effort is the agreement of one landowner to permit installation of a PRP BMP (i.e., storm sewer solids collection system) on the landowner's property.

Township has initiated initial conversations with another landowner for a basin retrofit project.

Township initiated a stormwater fee study in 2019 and anticipates adopting a fee prior to the end of 2019.

6. Anticipated activities for next reporting period.

Finalize the stormwater fee study and begin assessing a fee for all properties located within the Township. Begin implementing BMP projects identified in the Township's PRP.

PRP/TMDL Plan Comments:

Above sediment load is broken down in the PRP as follows: 23,643.61 lbs/year - Trindle Spring Run; 738.16 lbs/year - Dogwood Run; 34,234.54 lbs/year - Yellow Breeches.

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

Table 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being used toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed or Implemented	Planning Area?	Ch. 102?	Annual Sediment Load Reduction (lbs/yr)
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

Table 3. List all existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspection	Satisfactory?
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
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CERTIFICATION

For PAG-13 Permittees: I have read the latest PAG-13 General Permit issued by DEP and agree and certify that (1) the permittee continues to be eligible for coverage under the PAG-13 General Permit and (2) the permittee will continue to comply with the conditions of that permit, including any modifications thereto. I understand that if I do not agree to the terms and conditions of the PAG-13 General Permit, I will apply for an individual permit within 90 days of publication of the General Permit. I also acknowledge that any facility construction needed to comply with the General Permit requirements shall be designed, built, operated, and maintained in accordance with operative laws and regulations.

For All Permittees: I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Holly Wood

Name of Responsible Official

(717) 258-6642

Telephone No.

Holly S Wood

Signature

9/23/19

Date

Memo

To: Board of Supervisors
From: Holly Wood
Date: July 30, 2019
Re: 2018/2019 MS4 update

For the 2018/2019 year, the following items have been completed to satisfy requirements of the MS4 program.

MCM #1-Public Education – The following was completed to satisfy public education requirements:

1. A website link titled “The Importance of Cleaning Up After Your Pet” was added to the MS4 webpage on the Township website on August 30, 2018. This link was provided by a student and her tutor that found their way to our stormwater webpage when doing a water research project last summer. They said they found our page helpful in their research and wanted to pay it forward by providing a link they found helpful to their project.
2. The Cumberland County Conservation District Fall 2018 Newsletter was added as a link to the MS4 webpage on September 25, 2018.
3. A link to the Stormwater Pennsylvania website was added to the MS4 webpage on October 5, 2018.
4. An EPA Clean Water flyer was included in the October 2018 Township Newsletter
5. A direct mailer titled “2018 MS4 Educational Outreach” was created and mailed to the residents living in the regulated MS4 areas December 2018.
6. The RFP for the Stormwater Fee Study and the request for volunteers to serve on an MS4 Advisory Committee were added to the Township website main page in January 2019.
7. The Board of Supervisors award the contract for the Stormwater Fee Study to GHD at their regular April 2019 meeting.
7. The January and April 2019 Township Newsletters included the article asking for volunteers for an MS4 Advisory Committee.
8. The Township participated in a joint ad with other municipalities through CapCOG that was published in The Patriot News on June 2, 2019

MCM #2-Public Participation - Public meeting and workshop opportunities were posted on the township website and bulletin board as follows:

1. A link to the Penn State Extension Office Rain Barrel Workshop on August 8, 2018 was added to the Township MS4 webpage on July 11, 2018.
2. A Stormwater Funding Workshop was held by the Township on November 29, 2018 to hear a high level look at options for funding the MS4 improvements required to comply with the permit.
3. The RFP for a Stormwater Fee Study was advertised in The Sentinel and posted on the front page of the Township's website in January 2019.
4. An ad asking for volunteers to serve on an MS4 Advisory Committee was posted on the main page of the Township's website in January 2019, this ad was also included in the January and April Newsletters. To date, 4 people have expressed an interest in serving on the committee.

MCM # 3-Illicit Discharge Detection & Elimination

1. In September 2018, a concrete truck was noticed to be washing out in an empty development lot in Trindle Station without proper containment procedures in place. A roll-off dumpster was also seen leaking within 10 feet of an inlet in the same development. Pictures were taken and a brief report was given to the Township Engineer, who had a discussion with the developer.
2. In October 2018, an auto accident on Williams Grove Road in the area of Stoner Road resulted in an illicit discharge of diesel fuel that made its way into an inlet. PA DEP was notified and proper remediation procedures were put in place. Pictures were taken and follow-up notifications were received by the Township from PA DEP.
3. A similar accident occurred at the Lutztown/Boiling Springs Road intersection in February 2019. Similar documentation is being maintained in the MS4 binder for this incident even though this area is not in the regulated MS4 area of Monroe Township.
4. In April of 2019, a Spill & Illicit Discharge Reporting Form was created and supplied to the Monroe Fire Company to facilitate compliance with the Township's MS4 General Permit requirements.
5. On May 15, 2019, a menu option was added to the Township's Auto Attendant for Illicit Discharge Reporting. When choosing this option through the Auto Attendant, the call will be forwarded directly to the Roadmaster's cell phone for immediate attention. This reporting option information was also added to the Township's MS4 webpage at this same time.

MCM # 4-Construction Site Stormwater Runoff Controls – Construction sites are under the Cumberland County Conservation District oversight, with which the Township has a Memorandum of Understanding to satisfy the requirements of this MCM.

MCM # 5-Post-Construction Stormwater Management (PCSM) in New and Re-Development Activities – We do not currently have any post-construction BMP's, development in Trindle Station and Sinclair Park is still under the Cumberland County Conservation Districts oversight.

Columbia Gas Transmission, LLC did submit an inspection report for their stormwater management facilities located at the Locust Point Metering Station. This report is filed in the 2018/2019 MS4 binder even though this facility is not in the regulated MS4 area of Monroe Township.

MCM # 6-Pollution Prevention/Good Housekeeping for Municipal Operations –

Dry weather inlet inspections were conducted in August and December of 2018 by Greg Hertzler and Adam Chronister.

Spring street sweeping was conducted in March of 2019 to clean up anti-skid material to keep them from working into the inlet.

Greg Rogalski & Greg Hertzler met with Frank Tamanini on May 22, 2019 to discuss inlets in the Trindle Station development that needed cleaned prior to Monroe taking possession and responsibility to them.

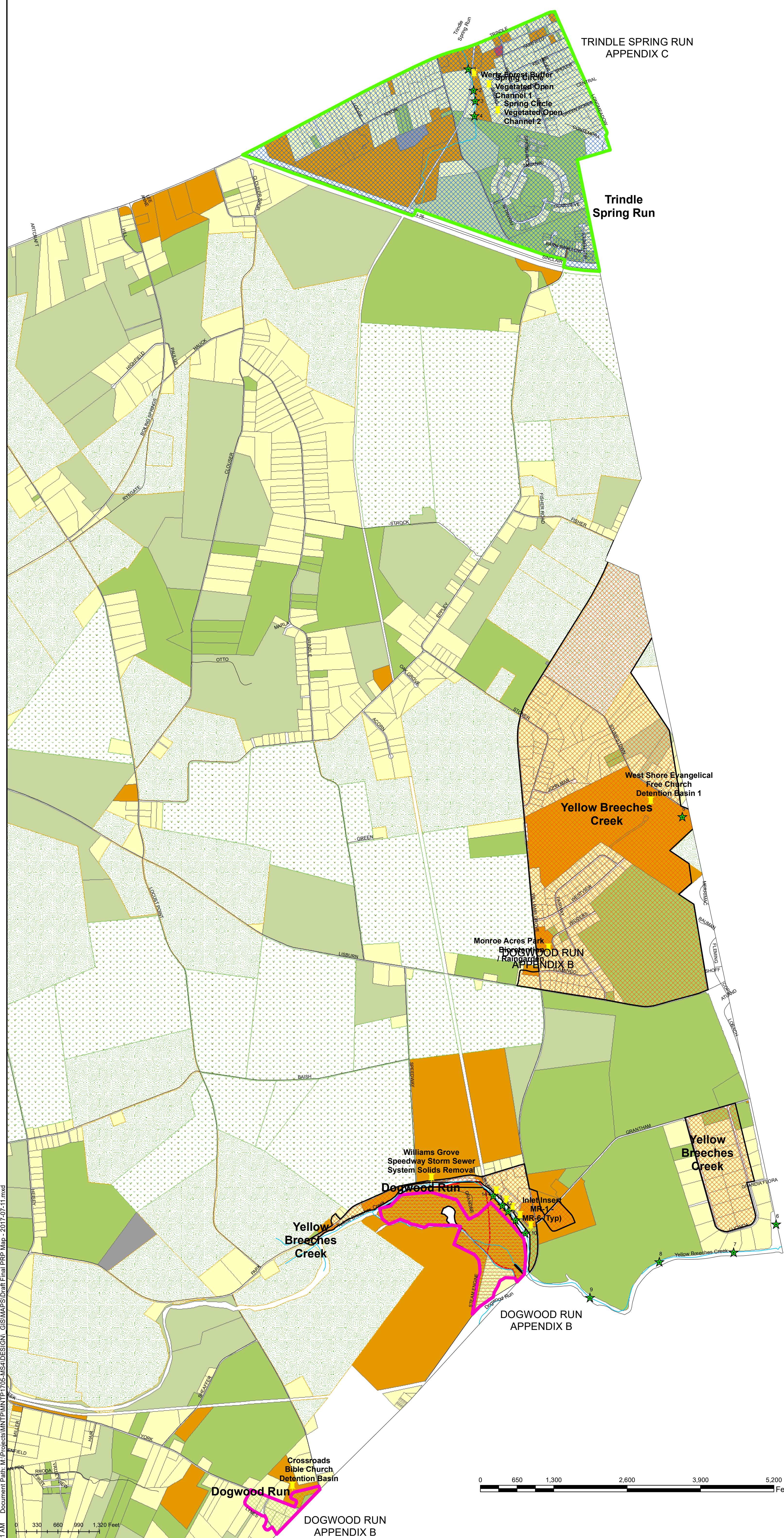
The following training/informational meetings were attended by township supervisors, professionals and employees during the 2018/2019 year:

1. October 18, 2018 – 2018 PSATS Stormwater Conference - Cranberry Township, Butler County – attended by Greg Hertzler
2. November 9, 2018 – Chesapeake Bay Local Government Advisory Roundtable – Cumberland County Conservation District office – attended by Carl Kuhl & Vicki Aycock (Pennoni Associates)
3. December 6, 2018 – CapCOG Stormwater Roundtable – Upper Allen Township Building – attended by Holly Wood
4. December 12, 2018 – Performing Annual Outfall Inspections – Lancaster County – attended by Greg Hertzler & Adam Chronister
5. May 14, 2019 – CapCOG Stormwater Roundtable – MOU's for MCM 4 & 5 – South Middleton Township Building – attended by Holly Wood
6. June 7, 2019 - Vicki, Greg, and Holly attended a chartering meeting with GHD to meet the team and begin the processes involved with the stormwater study and future stormwater funding.

As of December 31, 2018, we have spent a total of \$ 10,218.18 in 2018 for the MS4 program permit year running 7/1/2018 through 6/30/2019.

As of the June 30, 2019, we have spent a total of \$ 4143.66 in 2019 for the MS4 program permit year running 7/1/20018 through 6/30/2019.

NOTE: Sinclair Road & Trindle Station BMP facilities are under active NPDES Permits															
MS4 Outfall #	Name	NPDES Permit No.	Latitude	Longitude	Receiving Watershed	Stream Classification	Watershed	BMP	Description	Operation & Maintenance Frequency/Summary	Party Responsible for O&M	Date Installed	Last Inspection Date	Is BMP Serving Design Function (Yes or No)	Notes
															Dry Detention Basin
004	Sinclair Road	PAG-02-0021-10-001R	40.19811	-77.02420	Trindle Spring Run	CWF, MF	Conodoguinet	Detention Basin	Detention Basin	Bi-annually inspect outlet structure for blocked orifices, damage to the orifice plate, grate, and outflow pipe. Repair and clean as needed. Inspect emergency spillways for erosion and repair per plan details. Mulch and seed eroded areas immediately.	Developer / HOA	2012/2013	May-17	Yes	Basin still in E&S mode.
															Vegetated Open Channels (A/B Soils)
004	Sinclair Road	PAG-02-0021-10-001R	40.19803	-77.02312	Trindle Spring Run	CWF, MF	Conodoguinet	Swale A	Vegetated Open Channel A/B Soils	Maintain annually & within 48 hours after every major storm event (> 1" rainfall depth). Inspect & correct erosion problems; damage to vegetation; & sediment & debris accumulation (address when > 3" at any spot or covering vegetation).	Developer / HOA	2012/2013	May-17	Yes	Vegetated Channel Site in E&S mode.
004	Sinclair Road	PAG-02-0021-10-001R	40.19878	-77.02338	Trindle Spring Run	CWF, MF	Conodoguinet	Swale B	Vegetated Open Channel A/B Soils	Inspect vegetation on side slopes for erosion & formation of rills or gullies; correct as needed.	Developer / HOA	2012/2013	May-17	Yes	Vegetated Channel Site in E&S mode.
004	Sinclair Road	PAG-02-0021-10-001R	40.19815	-77.02100	Trindle Spring Run	CWF, MF	Conodoguinet	Swale C	Vegetated Open Channel A/B Soils	Inspect for pools of standing water; dewater & discharge to approved location : restore to design grade. Mow & trim vegetation as needed; mow only when swale is dry.	Developer / HOA	2012/2013	May-17	Yes	Vegetated Channel Site in E&S mode.
004	Sinclair Road	PAG-02-0021-10-001R	40.19671	-77.02149	Trindle Spring Run	CWF, MF	Conodoguinet	Swale D	Vegetated Open Channel A/B Soils	Remove litter prior to mowing. Inspect for uniformity in cross-section & longitudinal slope; correct as needed. Inspect for signs of erosion or blockage; correct as needed.	Developer / HOA	2012/2013	May-17	Yes	Vegetated Channel Site in E&S mode.
004	Sinclair Road	PAG-02-0021-10-001R	40.19689	-77.02268	Trindle Spring Run	CWF, MF	Conodoguinet	Swale E	Vegetated Open Channel A/B Soils	Rototill & replant if draw down time is more than 48 hours.	Developer / HOA	2012/2013	May-17	Yes	Vegetated Channel Site in E&S mode.
															Infiltration Practices
004	Trindle Station	PAG-02-0021-04-024R(1)	40.19972	-77.02564	Trindle Spring Run	CWF, MF	Conodoguinet	Infiltration Basin 2	Infiltration Basin	Inspect and clean catch basins and inlets (upgradient of infiltration basin) at least two times per year and after runoff events. Maintain vegetation along the surface of the infiltration basin in good condition and revegetate any bare spots as soon as possible. Do not park or drive vehicles on infiltration basin and take care to avoid excessive compaction by mowers. Inspect the basin after runoff events and make sure that runoff drains down within 72 hours, Mosquito's should not be a problem if the water drains within 72 hours. Inspect for accumulation of sediment, damage to outlet control structures, erosion control measures, signs of water contamination/spills, and slope stability in berms. Mow only as appropriate for vegetative cover species. Remove accumulated sediment from basin as required. Restore original cross section and infiltration rate. Properly dispose of sediment.	Developer / HOA	2016		Yes	Infiltration Basin Site in E&S mode.
															Dry Detention Basin
005	West Shore Evangelical Free Church Detention Basin 1	PAG-02-021-03-014R			Trout Run	CWF, MF	Yellow Breeches	Detention Basin #1	Dry Detention Basin	Conduct following inspections 3 times annually: Inspect for sediment build-up & embankment condition Remove sediment & repair & stabilize eroded areas.	West Shore Evangelical Free Church	2004		Yes	Detention Basin 1
005	West Shore Evangelical Free Church Detention Basin 2	PAG-02-021-03-014R			Trout Run	CWF, MF	Yellow Breeches	Detention Basin #2	Dry Detention Basin	Inspect outlet structures & remove any blockages of orifice or grate. Inspect outlet box for debris. Inspect pipes for blockages & remove immediately.	West Shore Evangelical Free Church	2004		Yes	Detention Basin 2
005	West Shore Evangelical Free Church Detention Basin 3	PAG-02-021-03-014R			Trout Run	CWF, MF	Yellow Breeches	Detention Basin #3	Dry Detention Basin	Inspect swales for blockages & to ensure stabilization material is in satisfactory condition.	West Shore Evangelical Free Church	2004		Yes	Detention Basin 3
005	West Shore Evangelical Free Church Detention Basin 4	PAG-02-021-03-014R			Trout Run	CWF, MF	Yellow Breeches	Detention Basin #4	Dry Detention Basin		West Shore Evangelical Free Church	2004		Yes	Detention Basin 4
005	West Shore Evangelical Free Church Detention Basin 5	PAG-02-021-03-014R			Trout Run	CWF, MF	Yellow Breeches	Detention Basin #5	Dry Detention Basin		West Shore Evangelical Free Church	2004		Yes	Detention Basin 5



TRINDLE SPRING RUN
APPENDIX C

Trindle
Spring Run

DOGWOOD RUN
APPENDIX B

DOGWOOD RUN
APPENDIX B

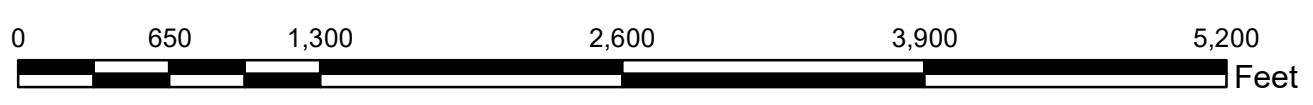
DOGWOOD RUN
APPENDIX B

Legend

- MS4 Outfall
- Proposed BMPs
- Roads
- Streams

Storm Sewershed

- Dogwood Run
- Trindle Spring Run
- Yellow Breeches Creek
- Parsed Areas
- Agricultural Easements
- Agricultural Security Areas
- Parcels
- Agricultural
- Commercial
- Industrial
- Residential
- Utility
- Vacant



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