



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD 7/1/20 TO JUNE 30, 2021

GENERAL INFORMATION					
Permittee Name:	WEST MANCHESTER TOWNSHIP		NPDES Permit No.:	PAPAG133655	
Mailing Address:	380 E. BERLIN RD.		Effective Date:	12/16/20	
City, State, Zip:	YORK, PA 17408		Expiration Date:	3/15/23	
MS4 Contact Person:	ZANE WILLIAMS		Renewal Due Date:	3/15/23	
Title:	MS4 COORDINATOR		Municipality:	WEST MANCHESTER TWP.	
Phone:	717-792-3505		County:	YORK	
Email:	ZWILLIAMS@WMTWP.COM				
Co-Permittees (if applicable): N/A					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input type="checkbox"/> Appendix B <input 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?
CODORUS CREEK	WWF	YES	Excessive algal, Siltation	N/A	N/A
WILLIS RUN	WWF	YES	Water/Flow Variability	N/A	N/A
LITTLE CONEWAGO CREEK	TSF	YES	Siltation	N/A	N/A
HONEY RUN	TSF	YES	Siltation	N/A	N/A

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

Have you completed all MCM activities required by the permit for this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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	WEST MANCHESTER TOWNSHIP	ZANE WILLIAMS	717-792-3505
#2 Public Involvement/Participation	WEST MANCHESTER TOWNSHIP	ZANE WILLIAMS	717-792-3505
#3 Illicit Discharge Detection and Elimination (IDD&E)	WEST MANCHESTER TOWNSHIP	ZANE WILLIAMS	717-792-3505
#4 Construction Site Storm Water Runoff Control	WEST MANCHESTER TOWNSHIP	ZANE WILLIAMS	717-792-3505
#5 Post-Construction Storm Water Management in New Development and Redevelopment	WEST MANCHESTER TOWNSHIP	ZANE WILLIAMS	717-792-3505
#6 Pollution Prevention / Good Housekeeping	WEST MANCHESTER TOWNSHIP	STEVE CALLAHAN	717-792-3505

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: 9/20/21 Were updates made? ☒ Yes ☐ No

3. What were the plans and goals for public education and outreach for the reporting period?

The plans and goals for the Township were to maintain and review of Target Audience List, have 2 Stormwater Workshops each year, provide stormwater information via the Townships website, through 3 newsletters mailed to each resident, and displays and handouts at Township Facilities. The Township will continue to educate their employees by sending them to Stormwater related seminars and training. The Township plans on installing 250 Inlet Markers and posting 500 Door Hangers to educate residents.

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:

The Township plans to continue to implement the PEOP reviewing its Target Audience List, by providing 2 Stormwater Seminars each year, provide Stormwater information via the Townships website, through 3 newsletters mailed to each resident, through our Target Mailing list for Businesses, and displays and handouts at Township Facilities. The Township will continue to educate their employees by sending them to stormwater related seminars and training. The Township plans on installing another 250 Inlet Markers and posting 500 door hangers to educate residents.

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: 9/20/21 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?

☐ Yes ☐ No

2. Date of latest annual review of educational materials: 9/20/21

Were updates made?

☐ Yes ☒ No

3. Do you have a municipal website? ☒ Yes ☐ No (URL: www.wmtwp.com)

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

The Township Stormwater site contains Stormwater Illicit Discharge Hotline phone number, FEMA Flood Insurance Risk Maps, Overview of the Townships MS4 program, Helpful tips for residents on managing Stormwater, After the Storm video, Rain Garden Brochure, Build your own Rain Barrel video, and numerous Stormwater Management links like Annual Report, York Co. Conservation District, Stormwater Ordinance, Illicit Discharge Citizens Form, Stormwater BMP's Details, Chesapeake Bay Foundation, Watershed Alliance of York, PA DEP Bureau of Conservation and Restoration, Stormwater Management MS4 information, and EPA - Stormwater Outreach Materials and Reference Documents.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:
3 Township newsletters with Stormwater information, Rain Barrel display at Township facility, Posters and Pamphlets are prominently displayed in Township Facility, 2 Stormwater Workshops presented annually, install inlet markers and hang door hangers on residences, Stormwater is an agenda item at every Board of Supervisors meetings.
5. Identify specific plans for the publication of stormwater materials for the upcoming year:
The Township will continue to publish Stormwater Information 3 times a year in the Townships Newsletter, Install inlet markers and door hangers in residential neighborhoods, continue to display Stormwater management posters and pamphlets at Township facility, provide stormwater handouts, Mass Mailings, Set up educational booth at Townships events with stormwater handouts and pamphlets, and include stormwater as an agenda item at each Board of Supervisors Meetings.

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).

Include bill stuffers with Stormwater information for Businesses to all the Businesses in the Township.
Handout Stormwater Educational coloring and activity books and crayons to children.

MCM #1 Comments:

The Township did not meet some of its goals due to the Covid Virus. Townships had to cancel Stormwater Workshops and only got to install 96 inlet markers and 210 door hangers.

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: 09/20/21 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

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: Every Supervisors Meeting on the 4th Thursday of Month

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.

The Township has Stormwater as an agenda item at every Board Supervisors Meeting. The Township, along with Manchester and Dover Townships, held a joint stormwater workshop for Townships residence and the general public. The Township solicits, informs and educates Public by various means including: provide SWM information and links on its website; Display and distribute SWM information in its offices; and by staff attendance at various SWM related workshops and seminars. The Townships MS4 Report is available on the Townships website or at the Township office for review. Stormwater Management/ MS4 is an agenda item and discussed at every Board of Supervisors meeting throughout the year. The Township is a participating member of the York Co. Stormwater Consortium and York Co. CBPRP.

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.

The Township works with the Penn State Extension Master Water Shed Stewards. They have help maintain and monitor tree planting project in the Townships Conservation Area. Township resident Katie Willard installed 96 Inlet Markers and hung 210 door hangers.

MCM #2 Comments:

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: 9/20/21 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: 9/30/22

2. Date of last update or revision to map(s): 9/11/17

3. Total No. of Outfalls in MS4: 139 Total No. of Outfalls Mapped: 133

4. Total No. of Observation Points: 0 Total No. of Observation Points Mapped: 0

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: 9/30/22

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): 9/11/17

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? 138
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: 4/26/12

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

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? In the Townships Newsletter sent 3 times per year "Nothing but Rain in the Drain!" notice along with the Stormwater Illicit Discharge Hotline Phone Number is advertised. Discuss Illicit discharge awareness with the Public Works Department. Discuss Illicit discharge with the Fire Chief and Police Chief to reinforce the importance of cleanups at accident scenes.

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:

We discovered some new outfalls which were near Township Boundary Lines and were thought to be other outfalls. Also added several Township outfalls at Township owned properties which were not shown. Also removed several outfalls which connected to each other. Outfalls were inspected and located and are being added to the maps as required.

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: 4/26/12

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:

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:

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:

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:

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:

MCM #4 Comments:

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: 4/26/12

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.

The Township inspected all BMPS for compliance last year and found no major issues or violations, except for some weeds and tall grass in some of the facilities. The Township has inspections planned for 2022 of the facilities. The Township is notifying owners of issues with BMPS and given a time frame to comply with or fines will be assessed. The Township is also reminding all BMPS owners of their responsibilities for maintenance of BMPs as stated on their BMP plans and o@m agreement. The Township Stormwater Management Ordinance requires the submission of an As-built plan upon completion of construction. Ordinance includes requirement for Professional to certify that Stormwater Management Facility was constructed in accordance with the approved plan. The ordinance also provides for inspection by the Township during construction. Finally, the Ordinance requires that an O&M agreement be signed and recorded to ensure long term operation and maintenance of stormwater management facilities.

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	DRY EXTENDED DETENTION PONDS	2.8	OWNER	39°56'00"	76°48'30"	1/1/03	REMOVE SEDIMENT AND SILT FROM BASIN, PIPES, AND INLETS WHEN THERE CAPACITY IS REDUCED BY 20%, FOSSIL FILTERS SHALL BE CHANGED AS PER MANUFACTURE RECOMMENDATIONS, SEED AND REPAIR ANY SCURED AREAS.	PAG2006703030
2	DRY EXTENDED DETENTION PONDS	2.7	OWNER	39°58'55"	76°46'50"	8/1/05	REMOVE SEDIMENT AND SILT FROM BASIN, PIPES, AND INLETS WHEN THERE CAPACITY IS REDUCED BY 20%, SEED AND REPAIR ANY SCURED AREAS, GROUNDWATER RECHARGE STRUCTURES SHALL BE INSPECTED AFETR EVERY MAJOR RAINFALL EVENT..	PAG2006703116

3	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	50	OWNER	39°58'13"	76°49'30"	4/01/14	STILL IN E&S MODE	PAG2006707045
4	DRY EXTENDED DETENTION PONDS	32.7	OWNER	39°59'35"	76°48'10"	1/1/05		PAG2006707044
5	DRY EXTENDED DETENTION PONDS	902	OWNER	39°55'37"	76°48'25"	7/1/05	STILL IN E&S MODE	PAG2006704062
6	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	46.2	OWNER	39°58'05"	76°46'05"	7/1/06	DETENTION BASIN MAINTENANCE SHALL CONSIST OF GRASS MOWING EVERY TWO WEEKS DURING GROWING SEASON, INSPECT OUTFALL STRUCTURES ANNUALLY, TRASH AND DEBRIS SHALL BE REMOVED ONCE A MONTH OR AFTER HEAVY STORMS, ANNUALLY INSPECT FOR SEDIMENT, IF IN EXCESS OF 3" SHALL BE REMOVED, SNOOT STORMWATER QUALITY SYSTEM SHALL BE INSPECTED ANNUALLY, THE STRUCTURE SHOULD BE CLEANED WHEN THE SUMP IS HALF FULL(2'), STRUCTURES SHOULD BE CLEANED IF A SPILL OR OTHER INCIDENT CAUSES A LARGER THAN NORMAL	PAG2006705005

									ACCUMULATION OF POLLUTANTS.	
7	DRY EXTENDED DETENTION PONDS	2.4	OWNER	39°57'54"	76°46'25"	7/1/09			DETENTION POND SHOULD BE INSPECTED ANNUALLY	PAG2006705076
8	DRY EXTENDED DETENTION PONDS	2.7	OWNER	39°59'05"	76°46'57"	12/1/07			BASIN SHALL BE MOWED ANNUALLY DURING THE NON GROWING SEASON, RESEED ANY ERODED OR BARE SPOTS.	PAG2006703072
9	DRY EXTENDED DETENTION PONDS	1.3	OWNER	39°55'28"	79°46'50"	12/1/07			STORMWATER BMP'S SHALL HAVE REGULAR PERIODIC INSPECTIONS TO ENSURE PROPER OPERATION, SWALES SHOULD BE CLEANED OF DEBRIS AND TRASH AND SCoured AREAS REPAIRED AND RESEED. ALL STORMWATER QUALITY BMP'S SHALL BE KEPT FREE OF DEBRIS. BASIN SHALL BE KEPT MOWED AT 3-6".	PAG2006706062
10	DRY EXTENDED DETENTION PONDS	11.6	OWNER	39°57'10"	76°47'10"	6/1/10			WATER QUALITY INLETS AND MANHOLES SHOULD BE INSPECTED TWICE A YEAR FOR SEDIMENT AND	PAG2006707063

								DEBRIS AND REMOVED AS NEEDED(1' DEPTH), OUTLET AND SPILLWAY SHALL BE INSPECTED ANNUALLY, BASIN SHALL BE MOWED REGULARLY, ALL SEEPAGE PITS SHALL BE INSPECTED ANNUALLY.	
11	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	4	OWNER	39°57'00"	76°47'06"	8/1/15	PAG0200671504 6	STORMWATER BASIN AND OUTFALL SHALL BE INSPECTED MONTHLY OR AFTER EVERY 1" RAIN EVENT OUTFALL STRUCTURE SHALL REMAIN FREE OF DEBRIS AND OUTFALL TO CREEK SHALL REMAIN IN GOOD VEGETATIVE STATE. MAINTENANCE SHALL INCLUDE MOWING, KEEPING LOWFLOW CHANNEL FREE OF DEBRIS AND SEDIMENT, AND KEEPING BASIN IN VEGETATIVE STATE.	
12	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	29.1	OWNER	39°58'02"	76°46'50"	11/1/11	PAG0200671102 OR	ALL BASIN STRUCTURES, BASIN BOTTOM, TRASH RACKS, OUTLET STRUCTURES, RIPRAP, INLETS,	

							AND GABION STRUCTURES SHALL BE INSPECTED 4 TIMES A YEAR. REMOVE SEDIMENT AS NEEDED. MOWING AND TRIMMING OF VEGETATION SHALL BE PERFORMED AS NECESSARY TO SUSTAIN THE SYSTEM. ALL DETRITUS SHOULD BE REMOVED FROM BASIN. VEGETATIVE AREAS SHALL BE INSPECTED ANNUALLY FOR EROSION AND UNWANTED GROWTH. MAINTAIN G VEGETATION AT 95 PERCENT, IF NOT REESTABLISH. INFILTRATION TRENCH, CATCH BASINS AND INLETS SHOULD BE INSPECTED AND CLEANED TWICE A YEAR. MAINTAIN VEGETATION AND REPAIR ANY BARE SPOTS IMMEDIATELY, PREVENT VEHICLES FROM PARKING ON.	
13	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	1.11	OWNER	39°59'05"	76°46'45"	8/16/19	INSPECT STRUCTURES TWICE A YEAR, VACUUM SEDIMENT IN	PAG0200671000 1R

								NEEDED, INSPECT SYSTEM AFTER STORM TO INSURE DEWATERING WITHIN 72 HOURS.	
14	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	36.7	OWNER	39°56'50"	76°46'33"	7/1/14	PAG02006712019	THE BIO RETENTION AREA SHALL BE INSPECTED TWICE A YEAR AND REMULCHED IF NEEDED, INSPECTED FOR SEDIMENT, AND INVASIVE PLANTS. THE POND SHALL BE CHECKED FOUR TIMES PER YEAR OR AFTER EVERY MAJOR RAIN EVENTS FOR CLOGGING, SEDIMENT, AND DEBRIS. ONCE PER YEAR POND SHALL BE INSPECTED FOR EROSION AND CHECKED FOR INVASIVE PLANT SPECIES. IF VEGETATION IS FOUND TO BE REDUCED BY 10% OR MORE, VEGETATION SHALL BE REESTABLISHED.	
15	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	3.76	QWNER	39°58'45"	76°47'20"	10/1/16	PAG02006713048	ONCE A YEAR CLEAN AND REPAIR INLETS AND CATCH CASINS AS NEEDED, INSPECT OUTFALL STRUCTURE ONCE PER YEAR,	

										TWICE A YEAR THE COLLECTION AND CONVEYANCE SYSTEM SHALL BE INSPECTED AND CLEANED AS NEEDED, WHEN HALF FULL, INFILTRATION BEDS SHALL BE INSPECTED TWICE A YEAR AND TRASH AND DEBRIS REMOVED, CHECK FOR DEWATERING IN 3 DAYS, DETHATCH BASIN BOTTOM AND AERATE OR DISC, EVERY 5 YEARS REMOVE SEDIMENT AND RESEED, MAINTAIN VEGETATION ON SIDES OF FACILITY.	
16	DRY DETENTION PONDS AND HYDRODYNAMIC STRUCTURES	28.10	OWNER	39°58'22"	76°46'45"	4/23/15	AT LEAST FOUR TIMES A YEAR INSPECT RAIN GARDENS, BASIN, AND SWALES, REMOVE SEDIMENT, TRASH AND DEBRIS, MAINTAIN RAIN GARDENS WITH 70 VEGETATION, STABILIZE BARE AND ERODED SPOTS, KEEP SIDES MOWED TO 3-6", EACH YEAR REMOVE DETRITUS FROM RAIN GARDEN, INLET BOXES SHOULD BE CLEANED	PAG0200671303 9			

OUT AS NEEDED AND INSPECTED TWICE A YEAR,PARKING AND ACCESS DRIVE SHALL BE CLEANED BY MECHANICAL SWEEPER AS NEEDED BASES								
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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? 9/20/21

3. When was it last updated? 10/2/17

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: 9/20/21

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: 9/20/21

Date of latest training: 6/22/21

3. Training topics covered:

Good House Keeping

4. Name(s) of training presenter(s):

Zane Williams - MS4 Coordinator

5. Names of training attendees:

Jay Sutton, Zane Williams, Mike Swartz, Raymound Reeve, Richard Shaw, Dennis Emenheiser, David Wire, Matt Miller, Matt Fisher, Joe Piro, Mark Sease, & Steve Callahan.

MCM #6 Comments:

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)		<input type="checkbox"/>	
Source Inventory		<input type="checkbox"/>	
Investigation of Suspected Sources		<input type="checkbox"/>	
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	

PCM Comments:

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 checked="" type="checkbox"/> Chesapeake Bay PRP (Appendix D)	9/15/17 Revision 12-08-21	12-15-20	Chesapeake Bay
<input type="checkbox"/> Impaired Waters PRP (Appendix E)			
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
<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: York County Stormwater Consortium (28 of the 45 Participants are MS4 Permit Holders)

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 checked="" type="checkbox"/> Chesapeake Bay PRP (Appendix D)	6,486,667		
<input type="checkbox"/> Impaired Waters PRP (Appendix E)			
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: 12-15-2025

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.

Progress made by the YCSWC from 07-01-2020 through 06/30/2021 included completion of 6 projects (4 stream restoration, 1 riparian buffer & 1 basin retrofit), resulting in a sediment reduction of 364,213 lbs/yr. However, one of the stream restoration projects (BMP #77) is located in a municipality with a Permit Waiver. An additional 5 projects are under construction (1 stream restoration, 2 bioretention, 1 bioretention/buffer planting, & 1 infiltration). Design was completed on 1 stream restoration project that is now seeking permits and 3 projects are currently in the design phase. Two additional projects were designed, but 1 was postponed due to PHMC issues and the other was postponed due to limited TSS reduction credit.

6. Anticipated activities for next reporting period.

The 5 projects that are currently under construction will be completed. The stream restoration project currently seeking a permit will move into the construction phase and likely be completed. It is also anticipated that the 3 projects with designs underway will move into the construction phase. Additionally, design is expected to begin on 2 stream restoration projects.

PRP/TMDL Plan Comments:

The York County Stormwater Consortium is currently considering the addition of new projects to the Regional CBPRP. Some of these projects are already completed. However, a Plan amendment, public review process, and submittal to DEP for approval, will be required before any sediment reduction can be reported in an Annual Progress Report.

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)
	SEE					0 1 2	0 1 2		<input type="checkbox"/>	<input type="checkbox"/>	
	ATTACHED					0 1 2	0 1 2		<input type="checkbox"/>	<input type="checkbox"/>	
	SPREADSHEET					0 1 2	0 1 2		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 2	0 1 2		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 2	0 1 2		<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?
	SEE					0 1 2	0 1 2				<input type="checkbox"/>
	ATTACHED					0 1 2	0 1 2				<input type="checkbox"/>
	SPREADSHEET					0 1 2	0 1 2				<input type="checkbox"/>
						0 1 2	0 1 2				<input type="checkbox"/>
						0 1 2	0 1 2				<input type="checkbox"/>
						0 1 2	0 1 2				<input type="checkbox"/>

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).

Municipality to Report Project	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)
Penn Twp	2	Center Street Streambank Restoration			500	feet	39° 48' 21"	76° 57' 56"	10/23/2020	Yes	No	22,240
Carroll Twp	32	Chestnut Hollow Basin Enhancement/Retrofit	29.2	65	0.55	acres	40° 6' 41"	77° 1' 44"	11/15/2019	Yes	No	12,000
Dover Twp	50	Eagle View Park Stream Restoration			3,440	feet	39° 59' 48"	76° 51' 00"	11/20/2020	Yes	No	154,387
Jackson Twp	67	Little Creek Riparian Buffer	512	70	2.7	acres	39° 53' 49"	76° 51' 16"	10/2/2020	Yes	No	5,042
York City	47	Poor House Run Stream Restoration			3,000	feet	39° 57' 19"	76° 42' 50"	6/25/2021	Yes	No	134,640
Hallam Boro - Waiver Muni can't report till FINAL Rpt.	77	Beaver Street Stream Restoration			675	feet	40° 00' 4"	76° 36' 35"	5/4/2021	Yes	No	30,294
	77	Beaver Street Swale Restoration	22.4	50	0.9	acres	40° 00' 4"	76° 36' 35"	5/4/2021	Yes	No	5,610

364,213

** Although the Pine Run & Barshinger Creek stream restoration projects were completed by ARRC, they will not be reported as completed until PCSM is sufficient to achieve the approval of the 90% sediment reduction by DEP.

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 permittees's PRP and/or TMDL Plan (see instructions).

<i>Municipality to Report Project</i>	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?
Springfield Twp	82	Ensminger Drive Swale Rehabilitation - Vegetated Swale	22.45	45	0.18	acres	39° 52' 32"	76° 43' 10"	11/6/2017	20,110	10/22/2020	Yes
Jackson Twp	59	UNT W Branch Codorus Creek BMP #1 Stream Restoration			825	feet	39° 53' 48"	76° 51' 14"	10/8/2018	64,600	8/5/2020	Yes
Dover Twp	76	Danielle/Willipa Drives Stream Restoration			800	feet	39° 58' 42"	76° 49' 13"	2/11/2019	62,894	8/12/2020	Yes
Wrightsville Boro (Waiver Muni, can't report till FINAL Rpt)	79	<i>Riverfront Park</i> Bioretention Basin 2/Bioswale 2	12.75	65	0.12	acres	40 ° 1' 31"	76 ° 32' 5"	10/31/2017	13,426	8/17/2020	Yes
Springettsbury Twp	80	Prison Property SW Facility Upgrades - Baxin Retrofits	35	45	1.12	acres	39° 59' 9"	76° 39' 31"	8/11/2020	10,553	8/11/2020	Yes
Spring Grove Boro	3	Campus Avenue Stream Restoration			1,200	feet	39° 53' 2"	76° 51' 57"	7/15/2019	56,100	8/30/2020	Yes
York Twp	33	Camp Betty Washington Stream Restoration			150	feet	39° 56' 52"	76° 40' 4"	12/20/2018	6,888	6/10/2021	Yes
Manchester Twp	39	Sinking Springs Farm Stream Restoration			1,368	feet	40° 0' 50"	76° 44' 18"	12/6/2019	131,344	12/20/2020	Yes
Goldsboro Boro (Waiver Muni, can't report till FINAL Rpt)	57	138 South York St Fishing Creek Stream Restoration (Ph 1)			300	feet	40 ° 8' 57"	76 ° 44' 55"	9/25/2019	13,464	8/7/2020	Yes
Windsor Twp	84	Milner Heights Basin Retrofit	55	50	1	acres	39° 56' 6"	76° 36' 22"	11/15/2019	20,110	6/24/2021	Yes

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).

Zane Williams

Name of Responsible Official

717-792-3505

Telephone No.

Signature

Date



9-27-21