



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2020 TO JUNE 30, 2021

GENERAL INFORMATION

Permittee Name: Clay Township	NPDES Permit No.: PAI133543
Mailing Address: 870 Durlach Road	Effective Date: January 1, 2019
City, State, Zip: Stevens, PA 17578	Expiration Date: December 31, 2023
MS4 Contact Person: Bruce R. Leisey	Renewal Due Date: July 4, 2023
Title: Manager/Treasurer	Municipality: Clay Township
Phone: 717-733-9675	County: Lancaster
Email: bruce@claytwp.com	
Co-Permittees (if applicable):	

Appendix(ces) that permittee is subject to (select all that apply):
 Appendix A Appendix B Appendix C Appendix D Appendix E Appendix F

WATER QUALITY INFORMATION

Are there any discharges to waters within the Chesapeake Bay Watershed? Yes 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?
Middle Creek	WWF, TSF	Yes	Unknown - Pathogens	No	
Indian Run	TSF	Yes	Unknown - Pathogens	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	Clay Township	Bruce Leisey	717-733-9675
#2 Public Involvement/Participation	Clay Township	Bruce Leisey	717-733-9675
#3 Illicit Discharge Detection and Elimination (IDD&E)	Clay Township	Bruce Leisey	717-733-9675
#4 Construction Site Storm Water Runoff Control	Clay Township	Bruce Leisey	717-733-9675
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Clay Township	Bruce Leisey	717-733-9675
#6 Pollution Prevention / Good Housekeeping	Clay Township	Bruce Leisey	717-733-9675

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

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

- For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?
 Yes No
- Date of latest annual review of PEOP: June 2021 Were updates made? Yes No
- What were the plans and goals for public education and outreach for the reporting period?

1. Continue to educate residents and residential homeowner's associations on the importance of water quality awareness.

a. Met with Hometowne Square Homeowners Assoc. to review inspection of stormwater basins and to educate on maintenance responsibilities.

2. Educate the construction industry on the importance of implementing erosion and sediment control practices

a. Continued to distribute information "on the procedures and importance of storm water management during construction with every building permit involving earth disturbance.

b. Township staff meets onsite with contractors of projects involving earth disturbance prior to the start of the project, to review E&S procedures and controls and identify environmentally sensitive areas and issues related to the project.

3. Educate municipal employees on facility housekeeping, storm water facility maintenance and illicit discharge detection and procedures for identifying outfalls.

a. Landstudies performed 26 water quality stream samplings before, during and after the March 18, 2021 storm event to educate the staff and Board of Supervisors on the effect rain has on stream sediment pollution. The sampling identified 6 (six) high sediment problem areas. The goal is to investigate the cause of the problem and correct in the next program year. A report was distributed and reviewed with staff on March 23, 2021.

b. TeamAg continues the monitoring of Middle Creek flows and turbidity using sondes. A report of findings was submitted on March 22, 2021. Township staff and its consultants are reviewing the data to prioritize areas of concern.

4. Target school age children using the Ephrata Public Library as a conduit for education on water quality awareness.

a. Sponsored three (3) events held virtually on zoom by the Ephrata Public Library to educate children on storm water quality awareness

5. Target voting residents for education on water quality awareness by distributing MS4 educational materials to voters on one (1) election day.

a. Displayed informational materials on "what is a stormwater illicit discharge", "citizen complaint illicit discharge reporting form" and other materials on a table in the Township building lobby on November 3, 2020 and May 18, 2021 election days.

6. Continue inlet stencil program

a. Stenciling was not completed in this reporting year due to COVID-19, will continue in next reporting year.

7. A public meeting was held on March 23, 2021 to increase understanding of the impacts of rain events on stormwater sediment pollution and investigate efforts to mitigate negative impacts.

8. Provide educational opportunities for the farming community to acquire a better clarity and understanding of the source/causes of non-point source pollution.

With proceeds from a grant received from PADEP Growing Greener Plus, the Township contracted with TeamAG to perform individual farm visit to all farmers in Clay Township to discuss environmental issues and educate farmers on buffers, soil health practices, conservation practices and funding opportunities. Approximately 56 farmer visits were completed in this reporting period.

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:

1. Continue to target residents and residential homeowner's associations as conduit for water quality awareness
2. Educate the construction industry on the importance of implementing erosion and sediment control practices
3. Educate municipal employees on facility housekeeping, storm water facility maintenance and illicit discharge detection.
4. Target children using the Ephrata Public Library as a conduit for education on water quality awareness.
5. Target voting residents for education on water quality awareness.
6. Continue inlet stencil program.
7. Schedule a public meeting to increase the residents understanding of the causes and impacts of stormwater pollution.
8. Provide opportunities for farmers to improve their knowledge on conservation and pollutant reduction practices.

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: June 2021 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: June 2020 Were updates made? Yes No
3. Do you have a municipal website? Yes No (URL: www.claytwp.com)

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

The Clay Township webpage contains links to the "PADEP Stormwater Management Program" and EPA "MS4 Program" webpages. It also includes information for the general public which includes: Clay Township MS4 Annual Report and information on "What is a stormwater illicit discharge, illicit discharge complaint form, home owners guide to stormwater, 10 things to reduce stormwater runoff, after the storm pamphlet, rain drain brochure, car washing brochure, vehicle oil brochure, pet waste brochure and lawn fertilizer" brochure. In addition there is a "Construction Stormwater Field Guide" and "Developing your Stormwater Pollution Plan" for developers and contractors and links to the Lancaster County Conservation District and Chesapeake Bay Program website.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:
The following methods were utilized to provide information on stormwater to the public.
1. Educational materials were distributed to election day voters on November 3, 2020 and May 18, 2021
 2. Held annual meeting on March 23, 2021 to increase public understanding of the impacts of rain events on stormwater sediment discharges and efforts to mitigate negative impacts .
 3. Meeting with Hometowne Square Homeowners Association Board to educate on maintenance, repair and inspection requirements for stormwater basins in the development.
 4. Sponsored 3 events through the Ephrata Public Library educating children on storm water related issues
 5. Distribute information "on the procedures and importance of storm water management during construction" with every building permit
 6. contracted with TeamAG to perform individual farm visit to all farmers in Clay Township to discuss environmental issues and educate farmers on buffers, soil health practices, conservation practices and funding opportunities. Approximately 56 farmer visits were completed in this reporting period.
5. Identify specific plans for the publication of stormwater materials for the upcoming year:
1. Add additional material to Township webpage
 2. Continue program to apply stencils to streets
 3. Continue to distribute information "on the procedures and importance of storm water management during construction" with every building permit
 4. Continue to sponsor educational programs through the Ephrata Public Library
 5. Meet with HOA organizations, farmers and other residents to educate on importance of reducing pollutants in stormwater
 6. Complete individual educational meetings for all farmers in Clay Township.

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).

1. Performed individual farm visit to farmers in Clay Township to discuss environmental issues and educate farmers on buffers, soil health practices, conservation practices and funding opportunities. Approximately 56 farmer visits were completed in this reporting period.
2. Used the Ephrata Public as a conduit for providing education to the children target group. Three events were held during the reporting year.

MCM #1 Comments:

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 2021

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: March 23, 2021

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.

1. An advertised public meeting was held on March 23, 2021 to increase public understanding of the impacts of rain events on stormwater sediment pollution and efforts to mitigate negative impacts.

2. Clay Township is a participating member of the Cocalico Creek Watershed Association which presented an educational display at the Denver Fair, informing the public of issues related to the Cocalico Creek Watershed.

3. Meeting with Hometowne Square Homeowners Association Board members to educate on maintenance, repair of stormwater basins in the development.

4. Sponsored 3 programs through the Ephrata Public Library educating children on storm water related issues

5. Partnered with TeamAg, Inc. to perform individual farm visit to farmers in Clay Township to discuss environmental issues and educate farmers on buffers, soil health practices, conservation practices and funding opportunities.

Approximately 56 farmer visits were completed in this reporting period.

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.

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: June 2021 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): September 2017

3. Total No. of Outfalls in MS4: 51 Total No. of Outfalls Mapped: 51
4. Total No. of Observation Points: 44 Total No. of Observation Points Mapped: 44
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): June 2020

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 screened 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? 7
2. Indicate the percentage of all outfalls screened in the past five years. 53%
3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 42%
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: May 12, 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

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? Information on vehicle washing, proper disposal of engine oil, pet waste, ways to reduce stormwater and pollution runoff and application of lawn fertilizer is distributed to the general public through the Township Website and is posted in the lobby of the Township Building. Information regarding controlling construction site storm water, control of runoff, vegetative buffers, silt fencing, site stabilization, dirt stock piles and inlet protection is distributed to the general public and businesses with all permits that involve earth disturbance.

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:

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: May 12, 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:

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: May 12, 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: May 12, 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 #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	Dry Basin B (signal control)		Bethany Gardens HOA	40°12'59"	76°14'46"		See attached SWM Agmt	
2	Dry Basin A (rte 322)		Bethany Gardens HOA	40°12'56"	76°14'42"		See attached SWM Agmt	
3	Infiltration Basin		Bethany Gardens III HOA	40°13'03"	76°14'45"		See attached SWM Agmt	
4	Dry Basin		Clearview Gardens HOA	40°13'05"	76°14'41"		See attached SWM Agmt	
5	Wet Pond (front)		Hometowne Square 1 HOA	40°12'14"	76°12'27"		See attached SWM Agmt	
6	Dry Basin		Charity Gardens HOA	40°12'10"	76°12'07"		See attached SWM Agmt	
7	Dry Basin (Snyder Park)		Clay Township	40°13'16"	76°14'27"		See attached SWM Agmt	
8	Dry Basin		Lefever Construction	40°12'30"	76°11'47"		See attached SWM Agmt	
9	Wet Pond (walkway)		Hometowne Square 2 HOA	40°12'27"	76°12'31"		See attached SWM Agmt	
10	Wet Pond (Ashton Circle)		Hometowne Square 1 HOA	40°12'21"	76°12'37"		See attached SWM Agmt	
11	Subsurface Basin #1		Hopeland Mennonite Church	40°23'34"	76°25'46"		See attached SWM Agmt	pac360236

12	Subsurface Basin #2	Hopeland Mennonite Church	o , "	o , "	See attached SWM Agmt	
13	Subsurface Basin #3	Hopeland Mennonite Church	o , "	o , "	See attached SWM Agmt	
14	Subsurface Basin #4	Hopeland Mennonite Church	o , "	o , "	See attached SWM Agmt	
15	Level Spreader #1	Hopeland Mennonite Church	o , "	o , "	See attached SWM Agmt	
16	Level Spreader #2	Hopeland Mennonite Church	o , "	o , "	See attached SWM Agmt	

Clay Township
MS4
PCSM BMP Inventory

BMP No.	BMP Name	DA (ac)	Entity Responsible For O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
17	Dry Basin		3D Property Management LLC	40.206	76.2048		SWM agreement	pag02003608057-r
18	Dry Basin 6		Hometowne Square PH 4				SWM agreement	
19	Dry Basin		The Litz Real Estate Co.	40.2032	76.2245		SWM agreement	pac360029
20	Bio retention basin #1		G&N Holdings LP				SWM agreement	
21	Bio retention basin #2		G&N Holdings LP				SWM agreement	
22	Existing Basin #2		Ephrata Community Church	40.2184	76.250099		SWM agreement	pac360132
7/19-6/20								
23	Extended detention storage		Lincoln Storage West (SteveNolt)	40.2041	76.2097			pac360205
24	Existing Udder Choice Basin		Sharp Shopper Warehouse	40.2079	76.2164			pac360270
25	Dry Basin 7		Hometowne Square 4B	40.206	76.2048			pac360251
7/20-6/21								
26	Bio retention basin		Woodcorner Properties	40.1207	76.328		SWM agreement	pac360446
27	Wet pond		Martin, Marlin and Wanda	40.1515	76.1329		SWM agreement	
28	Bio retention basin		Martin, Stephen	40.1303	76.115		SWM agreement	pac360487
29	Rain Garden		Startoni, Marc	40.1614	76.1548		SWM agreement	pac360506

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 2021

3. When was it last updated? June 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 2021

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 2021

Date of latest training: July 2019

3. Training topics covered:

Training public works employees on how to inspect and assign a structural integrity condition rating on stormwater pipes and catch basins. Rating is based from 1 to 3, which will dictate when the next inspection will take place and a potential replacement date. And instruction on determining the location in which to screen an outfall or if applicable an observation point.

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

Mike Boyer, GIS Mgr and Bruce R. Leisey, Township Manager

5. Names of training attendees:

Earl Stauffer, Gary Calik and Donald Moyer

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)	June 2019	<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 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	September 15, 2017	Dec 19, 2018	Chesapeake Bay, Cocalico Creek
<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	71,438.20	53.74	1,615.44
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: December 19, 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.
 The COVID-19 Pandemic significantly slowed the progress for this reporting period
 The stream bank restoration project will be a public private partnership. Staff in conjunction with the landowner has completed the scope of work for each party. Estimated costs for each party are being formulated .
 Township Engineer is working securing the necessary permits.

6. Anticipated activities for next reporting period.
 The goal for this next reporting period is to have design completed, a written agreement approved, secure any necessary permits and be ready for fall 2022 construction.

PRP/TMDL Plan Comments:

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)
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<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?
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>

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.

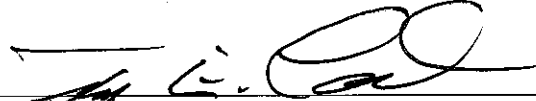
For All Permittees: I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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).

Timothy E. Lausch

Name of Responsible Official

717-733-9675

Telephone No.



Signature

September 28, 2021

Date