



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2021 TO JUNE 30, 2022

GENERAL INFORMATION					
Permittee Name:	Ephrata Township	NPDES Permit No.:	PAG133538		
Mailing Address:	265 Akron Road	Effective Date:	October 1, 2018		
City, State, Zip:	Ephrata, PA 17522-2611	Expiration Date:	March 15, 2025		
MS4 Contact Person:	Steve Sawyer	Renewal Due Date:	September 16, 2024		
Title:	Township Manager	Municipality:	Ephrata Township		
Phone:	717-733-1044	County:	Lancaster		
Email:	ssawyer@ptd.net				
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?
Cocalico Creek	WWF-MF	Yes	Nutrients, Siltation	No	No
Coover Run	WWF-MF	Yes	Nutrients, Siltation	No	No
Meadow Run	WWF-MF	Yes	Nutrients, Siltation	No	No
Conestoga River	WWF-MF	Yes	Nutrients, Organic Enrichment/Low DO, Siltation	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	Ephrata Township	Steve Sawyer	717.733.1044
#2 Public Involvement/Participation	Ephrata Township	Steve Sawyer	717.733.1044
#3 Illicit Discharge Detection and Elimination (IDD&E)	Ephrata Township	Steve Sawyer	717.733.1044
#4 Construction Site Storm Water Runoff Control	Ephrata Township	Steve Sawyer	717.733.1044
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Ephrata Township	Steve Sawyer	717.733.1044
#6 Pollution Prevention / Good Housekeeping	Ephrata Township	Steve Sawyer	717.733.1044

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 2022** Were updates made? Yes No
- What were the plans and goals for public education and outreach for the reporting period?
Educate the community on the benefits of stream restoration and riparian buffer projects by highlighting the restoration of the Cocalico Creek at Autumn Hills.
- Did the MS4 achieve its goal(s) for the PEOP during the reporting period? Yes No
- Identify specific plans and goals for public education and outreach for the upcoming year:
 - **Install educational signage at the Restoration of the Cocalico Creek at Autumn Hills project site with topics including stream restoration practices, riparian forest buffers, meadow plantings and rain gardens.**
 - **Update the webpage to include recent Annual Reports, new stormwater materials, and proposed design for the Cocalico Creek Restoration.**

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

- For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?
 Yes No
- Date of latest annual review of target audience lists: **June 2022** Were updates made? Yes No

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

- 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
- Date of latest annual review of educational materials: **June 2022** Were updates made? Yes No

3. Do you have a municipal website? Yes No (URL:
<http://ephrahatownship.org/subpage.php?link=water>)

2. If Yes, describe how you advertised the draft document(s) and how you provided opportunities for public review, input and feedback:

The SWMO update was advertised and discussed at a regularly scheduled Board of Supervisors meeting.

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
Ordinance 278	7/13/22	8/2/22	8/2/22

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: **8/2/22 - Stormwater Management Ordinance Update**
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.
 - **Ephrata Township is actively working with DCNR and the Lancaster County Clean Water Partners to implement the Restoration of Cocalico Creek at Autumn Hills project**
 - **Ephrata Township partners with the Cocalico Creek Watershed Association and with the Ephrata Public Library**
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 Ephrata Public Library programs include a variety of MS4 topics that are attended by school-age children and adults in the community.**

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 2022** 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): **07/14/2017**
3. Total No. of Outfalls in MS4: **63** Total No. of Outfalls Mapped: **63**
4. Total No. of Observation Points: **8** Total No. of Observation Points Mapped: **8**
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): **8/17/2017**

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? **24**

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: **May 6, 2014, amended on August 2, 2022**

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? **A flyer – “Illicit Discharge- Only Rain Down the Drain” is available at the Township.**

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 6, 2014, amended on August 2, 2022**

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 6, 2014, amended on August 2, 2022**
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 6, 2014, amended on August 2, 2022**
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 32 BMPs this permit year and classified 5 as poor. The Township plans to send the inspection reports to each landowner with information on required remediation to repair each facility.

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	See Attached			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 2022**
3. When was it last updated? **2/15/16**

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 2022**

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 2022** Date of latest training: **1/10/2022**

3. Training topics covered:
Review SOP #4 – Oil changes
4. Name(s) of training presenter(s):
Randy Groome
5. Names of training attendees:
Shane Weaver, Dave Lenhard

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 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	9/12/2017	10/18/2018	Chesapeake Bay, Cocalico Creek, Conestoga River, Meadow Run, Coover 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	70,694	46	1,169
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: **September 23, 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.

Restoration of the Cocalico Creek at Autumn Hills project:

- **February 16, 2022 - Received DCNR approval**
- **February 28, 2022- April 12, 2022 – Public bidding process**
- **April 19, 2022 – Contract awarded to Flyway Excavating, Inc. – due to current construction schedules, Flyway will begin work on the project in October 2022**

6. Anticipated activities for next reporting period.

- **Construction is planned to begin in October 2022 and be completed by May 2023.**

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)
						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"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<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.

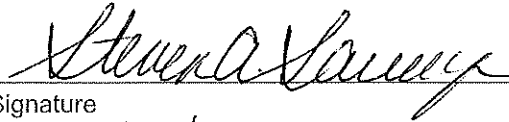
For All Permittees: I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage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

Steve Sawyer, Township Manager

Name of Responsible Official

717-733-1044

Telephone No.



Signature

9/14/22

Date

TOWNSHIP OF EPHRATA

Lancaster County, Pennsylvania

ORDINANCE NO. 278

AN ORDINANCE OF THE TOWNSHIP OF EPHRATA, LANCASTER COUNTY, PENNSYLVANIA AMENDING THE EPHRATA TOWNSHIP STORMWATER MANAGEMENT ORDINANCE.

WHEREAS, the Commonwealth of Pennsylvania has, by the passage of the Pennsylvania Storm Water Act, Act No. 167 of October 4, 1978, (P.L. 864) (Act 167), Section 680.1 *et seq.*, as amended, delegated the responsibility to local government units to adopt stormwater management regulations, which regulations are to be consistent with the requirements of the Lancaster County Act 167 Plan; and

WHEREAS, the Board of Supervisors adopted the Ephrata Township Stormwater Management Ordinance of 2014 on May 6, 2014; and

WHEREAS, the Board of Supervisors desires to amend the Ephrata Township Stormwater Management Ordinance of 2014 by revising the waiver section to clarify the waiver process for stormwater management plans; and

WHEREAS, the Board of Supervisors desires to further amend the Ephrata Township Stormwater Management Ordinance of 2014 by revising the inspection section to further clarify the inspection schedule and process; and

WHEREAS, the Board of Supervisors desires to further amend the Ephrata Township Stormwater Management Ordinance of 2014 by revising the provisions addressing prohibited discharges and connections; and

WHEREAS, the Board of Supervisors desires to further amend the Ephrata Township Stormwater Management Ordinance of 2014 by revising the loading ratio calculations.

BE AND IT IS HEREBY ORDAINED AND ENACTED by the Board of Supervisors of the Township of Ephrata, Lancaster County, Pennsylvania, as follows:

Section 1. The Ephrata Township Stormwater Management Ordinance of 2014, Article I, shall be amended by revising Section 307, Waiver and Appeal Procedure to provide as follows:

Section 307. Waiver and Appeal Procedure

1. The provisions of this Ordinance are intended as minimum standards for the protection of the public health, safety, and welfare. If the Board of Supervisors of Ephrata Township determines that any requirement under this Ordinance cannot be achieved for a particular regulated activity, the Township may, after an evaluation of alternatives, grant a waiver from literal compliance with mandatory provisions of the Ordinance not related to water quality.
2. Waivers or modifications of the requirements of this Ordinance may be approved by the Township if the applicant can demonstrate that compliance would cause undue hardship because of peculiar conditions pertaining to the land in question, provided that the modifications will not be contrary to the public interest and that the purpose of the Ordinance is preserved. Cost or financial burden shall not be considered a hardship. Modifications may be considered if an alternative standard or approach will provide equal or better achievement of the purpose of the Ordinance. A request for modifications shall be in writing and accompany the Stormwater Management Site Plan submission. The request shall provide the facts on which the request is based, the provision(s) of the Ordinance involved and the proposed modification.
3. No waiver or modification of any regulated stormwater activity involving earth disturbance greater than or equal to one acre may be granted by the Township unless that action is approved in advance by DEP or the Conservation District.
4. Additionally, the Board of Supervisors of Ephrata Township may hear and decide appeals where it is alleged that the Code Enforcement Officer has failed to follow prescribed procedures or has misinterpreted or misapplied any provisions of the Ordinance.
5. The approval of the waiver or appeal shall not have the effect of making null and void the intent and purpose of the Ordinance. In the approval of a waiver or appeal, the Board of Supervisors of Ephrata Township may impose such conditions as will, in its judgment, secure substantially the objectives of the standards and requirements of the Ordinance.
6. Ephrata Township may, after consultation with DEP, approve measures for meeting the state water quality requirements other than those in this Ordinance, provided that they meet the minimum requirements of, and do not conflict with, state law including, but not limited to, the Clean Streams Law. Ephrata Township shall maintain a record of consultations with DEP pursuant to this paragraph. Where an NPDES permit for storm water discharges associated with construction activities is required, issuance of an NPDES permit shall constitute satisfaction of consultation with DEP.

7. Where a written Erosion and Sediment Control Plan associated with earth disturbance of 5,000 square feet to one acre is required, review of the written Erosion and Sediment Control Plan shall constitute satisfaction of consultation with DEP.
8. Application Procedures (Waiver-Appeal): All requests for waivers or appeals shall be processed in accordance with the following:
 - A. A request for a waiver or appeal shall be submitted to the Code Enforcement Officer. The request shall be made in writing and identify (1) the specific section of the Ordinance or decision which is requested for waiver or appeal, (2) the proposed alternative to the requirement, when applicable, and (3) justifications for an approval of the waiver or appeal.
 - B. The Code Enforcement Officer shall (1) schedule the request for consideration by the Board of Supervisors of Ephrata Township at a public meeting within forty-five (45) days of receipt, and (2) provide adequate notice to the applicant and any other involved parties of the meeting at which consideration of the request is scheduled.
 - C. The Board of Supervisors of Ephrata Township shall, following the consideration of the request, take such public action as it shall deem advisable and notify all parties involved of the action. Such notice shall cite the findings and reasons for the deposition of the waiver or appeal. Failure of the Board of Supervisors of Ephrata Township to render a decision and communicate it as prescribed above shall be deemed an approval unless the time period is extended by the applicant.

Section 2. The Ephrata Township Stormwater Management Ordinance of 2014, Article V, Section 504 shall be amended by revising Subsection 2 to provide as follows:

2. The landowner or the owner's designee (including the Municipality for dedicated and owned facilities) shall inspect SWM BMPs, facilities and/or structures installed under this Ordinance according to the following frequencies, at a minimum, to ensure the BMPs, facilities and/or structures continue to function as intended:
 - A. Annually for the first 5 years.
 - B. Once every 3 years thereafter.
 - C. During or immediately after the cessation of a 10-year or greater storm (precipitation event of 3 inches or more within a 24-hour period).

A written inspection report shall be created to document each inspection. The inspection report shall contain the date and time of the inspection, the individual(s) who completed the inspection, the location of the BMP, facility or structure inspected, observations on performance, and recommendations for improving performance, if applicable. Inspection reports shall be submitted to the Township within 30 days following completion of the inspection.

Section 3. The Ephrata Township Stormwater Management Ordinance of 2014, Article V, Section 505 shall be amended by revising Subsection 3 to provide as follows:

3. The following discharges are authorized unless they are determined to be significant contributors to pollution to a regulated small MS4 or to waters of this Commonwealth:
 - A. Discharges or flows from firefighting activities.
 - B. Discharges from potable water sources including water line flushing and fire hydrant flushing if such discharges do not contain detectable concentrations of Total Residual Chlorine (TRC).
 - C. Non-contaminated irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and wetlands.
 - D. Diverted stream flows and springs.
 - E. Non-contaminated pumped ground water and water from foundation and footing drains and crawl space pumps.
 - F. Non-contaminated HVAC condensation and water from geothermal systems.
 - G. Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized.
 - H. Non-contaminated hydrostatic test water discharges if such discharges do not contain detectable concentrations of TRC.

Section 4. The Ephrata Township Stormwater Management Ordinance of 2014, Article IV, Section 409 shall be amended by revising Subsection 1.B.3 to provide as follows:

- 3) The maximum loading ratio for volume control facilities shall be as follows. A higher ratio would be acceptable if proper justification is submitted and approved:

Section 5. Severability.

In the event any provision, section, sentence, clause or part of this Ordinance shall be held to be invalid, illegal or unconstitutional by a court of competent jurisdiction, such invalidity, illegality or unconstitutionality shall not affect or impair the remaining provisions, sections, sentences, clauses or parts of this Ordinance, it being the intent of the Board of Supervisors that the remainder of the Ordinance shall be and shall remain in full force and effect.

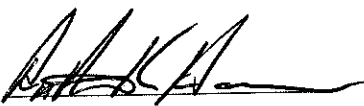
Section 6. Non-Impairment of Other Ordinances.

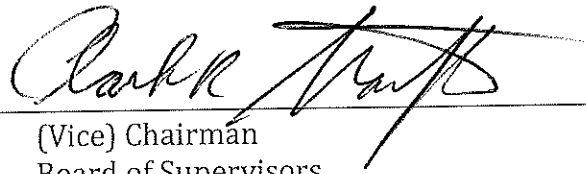
Other than amendments specifically set forth herein, this Ordinance shall not repeal, abrogate, annul or in any way impair or interfere with existing provisions of other laws or ordinances; provided, however, that where this Ordinance imposes a greater restriction than is imposed or required by such existing provisions of law or ordinance, the provisions of this Ordinance shall control.

Section 5. Effective Date. This Ordinance shall take effect and be in force five (5) days after adoption.

DULY ORDAINED AND ENACTED this 2nd day of August, 2022, by the Board of Supervisors of the Township of Ephrata, Lancaster County, Pennsylvania, in lawful session duly assembled.

TOWNSHIP OF EPHRATA
Lancaster County, Pennsylvania

Attest: 
(Assistant) Secretary

By: 
(Vice) Chairman
Board of Supervisors

[TOWNSHIP SEAL]

CERTIFICATE

I, the undersigned, (Assistant) Secretary of the Township of Ephrata, Lancaster County, Pennsylvania ("Township") certify that: The foregoing is a true and correct copy of an Ordinance of the Board of Supervisors of the Township which duly was enacted by affirmative vote of a majority of the members of the Board of Supervisors of the Township of Ephrata at a meeting duly held on the 2ND day of August, 2022; that such Ordinance has been duly recorded in the Ordinance Book of the Township; such Ordinance has been duly published as required by law; and such Ordinance remains in effect, unaltered and unamended, as of the date of this Certificate.

I further certify that the Board of Supervisors of the Township of Ephrata met the advance notice and public comment requirements of the Sunshine Act, 65 Pa.C.S. §701 et seq., as amended, by advertising the date of said meeting, by posting prominently a notice of said meeting at the principal office of the Township of Ephrata or at the public building in which said meeting was held, and by providing a reasonable opportunity for public comment at said meeting prior to enacting such Ordinance.

IN WITNESS WHEREOF, I set my hand and affix the official seal of the Township of Ephrata, this 2ND day of August, 2022


(Assistant) Secretary

[TOWNSHIP SEAL]

BMP Inventory

BMP Name	BMP ID No.	DA (ac)	Lat Degrees	Lat Minutes	Lat Seconds	Lon Degrees	Lon Minutes	Lon Seconds	Date Installed	Entity Responsible for O&M	O&M Requirements	NPDES Permit No.
Wetland Creation - Floodplain	66		40	10	10.86	-76	11	2.46	6/1/2017	Akron Road LLC		PAG02003612091
Wetland Creation - Floodplain	66		40	10	10.98	-76	11	5.6	6/1/2017	Akron Road LLC		PAG2003608047
Wetland Creation - Floodplain	66		40	10	11.14	-76	11	5.93	6/1/2017	Akron Road LLC		PAG2003608047
Wetland Creation - Floodplain	66		40	9	57.93	-76	9	54.77	6/1/2017	John Raber		PAG2003608062
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	57.84	-76	9	52.66	6/1/2017	John Raber		PAG02003611041
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	49.68	-76	10	5.03	6/1/2017	New Life Fellowship Church		PAG02003611041
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	49.71	-76	10	3.99	6/1/2017	New Life Fellowship Church		PAG02003611050
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	50.11	-76	10	5.41	6/1/2017	New Life Fellowship Church		PAR100509-R
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	28.39	-76	13	9.62	6/1/2016	Edwin Horning		PAR100509-R
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	29.5	-76	13	14.56	6/1/2016	Edwin Horning		PAG2003607081
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	28.84	-76	13	14.42	6/1/2016	Edwin Horning		PAG2003607081
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	30.21	-76	13	13.78	6/1/2016	Edwin Horning		PAG02003615070
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	27.73	-76	13	13.37	6/1/2016	Edwin Horning		PAG2003608015
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	29.55	-76	13	12.52	6/1/2016	Edwin Horning		PAG2003606079
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	25.63	-76	15	5.57	6/1/2016	Earl & Nancy Oberholtzer		PAG2003607005
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	27.76	-76	15	6.27	6/1/2016	Earl & Nancy Oberholtzer		PAG2003605007
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	27.28	-76	15	8.53	6/1/2016	Earl & Nancy Oberholtzer		PAG2003605007
Dry Extended Detention Ponds	36		40	10	25.15	-76	15	2.94	6/1/2016	Earl & Nancy Oberholtzer		PAG02003613079
Dry Extended Detention Ponds	36		40	10	27.26	-76	15	4.9	6/1/2016	Earl & Nancy Oberholtzer		PAG2003608036
Dry Extended Detention Ponds	36		40	10	48.06	-76	8	29.8	6/1/2016	Friedrich & Peggy Schmidt		PAG2003603110
Filtering Practices	39		40	10	46.41	-76	8	26.15	6/1/2016	Friedrich & Peggy Schmidt		PAG02003614117
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	49.24	-76	8	27.33	6/1/2016	Friedrich & Peggy Schmidt		PAG02003615070
Vegetated Open Channels - A/B soils, no underdrain	63		40	11	35.83	-76	10	4.68	6/1/2018	GRH Development, Inc.		PAG02003616003
Vegetated Open Channels - A/B soils, no underdrain	63		40	11	27.07	-76	10	6.41	6/1/2018	GRH Development, Inc.		PAG02003616003
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	48.14	-76	8	28.4	6/1/2016	Friedrich & Peggy Schmidt		PAG02003616003
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	10.08	-76	11	4.71	6/1/2015	Akron Road LLC		PAG02003616003
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	8.94	-76	11	4.09	6/1/2015	Akron Road LLC		PAG02003616003
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	9.14	-76	11	3.07	6/1/2015	Akron Road LLC		PAG02003613080
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	8.26	-76	11	3.63	6/1/2015	Brian J. Reed		PAG02003613080
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	8.61	-76	11	2.54	6/1/2015	Brian J. Reed		PAG02003613080
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	8.32	-76	11	3.45	6/1/2015	Brian J. Reed		PAG02003614020
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	7.63	-76	11	3.1	6/1/2015	John G. Kelly		PAG02003612091
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	7.92	-76	11	2.11	6/1/2015	John G. Kelly		PAG02003612091
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	7.83	-76	11	3.06	6/1/2015	John G. Kelly		PAG02003612091
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	7.19	-76	11	2.68	6/1/2015	Paul K & Kimberly Anderson		PAG02003612091
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	7.36	-76	11	1.64	6/1/2015	Paul K & Kimberly Anderson		PAG02003612091
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	6.53	-76	11	2.1	6/1/2015	Akron Road LLC		PAG02003614117
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	6.74	-76	11	1.25	6/1/2015	Akron Road LLC		PAG02003614117
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	44.67	-76	8	25.84	6/1/2015	Friedrich & Peggy Schmidt		PAG02003614117
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	46.98	-76	8	24.32	6/1/2015	Friedrich & Peggy Schmidt		PAG02003614117
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	48.87	-76	8	29.11	6/1/2015	Friedrich & Peggy Schmidt		PAG02003614117
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	52.98	-76	9	17.82	6/1/2015	Ephrata Investors, LP		PAG2003608015

BMP Inventory

BMP Name	BMP ID No.	DA (ac)	Lat Degrees	Lat Minutes	Lat Seconds	Lon Degrees	Lon Minutes	Lon Seconds	Date Installed	Entity Responsible for O&M	O&M Requirements	NPDES Permit No.
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	52.45	-76	9	18.23	6/1/2015	Ephrata Investors, LP		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	53.11	-76	9	17.24	6/1/2015	Ephrata Investors, LP		PAG02003612039
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	40.9	-76	10	54.95	6/1/2015	Vernon Weaver		PAG02003612039
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	40.72	-76	10	52.07	6/1/2015	Vernon Weaver		PAG02003612039
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	42.41	-76	10	55.82	6/1/2015	Vernon Weaver		PAG02003612091
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	42.34	-76	10	50.92	6/1/2015	Vernon Weaver		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	40.83	-76	10	50.4	6/1/2015	Vernon Weaver		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	42.49	-76	10	48.49	6/1/2015	Vernon Weaver		PAG02003611041
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	40.68	-76	10	58.6	6/1/2015	Vernon Weaver		PAG02003611050
Vegetated Open Channels - A/B soils, no underdrain	63		40	11	24.95	-76	9	31.04	6/1/2014	Stanley L. Beres & Denise Silhan		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	11	24.95	-76	9	31.04	6/1/2014	Gardel, LLC		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	9.34	-76	11	2.01	6/1/2014	Teresa D. Dohner		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	10.12	-76	11	1.36	6/1/2014	Teresa D. Dohner		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	42.55	-76	15	20.76	6/1/2013	Leon Good		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	41.54	-76	15	20.33	6/1/2013	Leon Good		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	40.5	-76	15	21.27	6/1/2013	Leon Good		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	41.78	-76	15	25.54	6/1/2013	Leon Good		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	1.96	-76	9	40.89	6/1/2013	LNR Property, L.P.		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	0.81	-76	9	39.75	6/1/2013	LNR Property, L.P.		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	1.08	-76	9	39.05	6/1/2013	LNR Property, L.P.		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	0.43	-76	9	37.25	6/1/2013	LNR Property, L.P.		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	1.88	-76	9	40.84	6/1/2013	LNR Property, L.P.		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	9.3	-76	9	26.36	6/1/2013	LNR Property, L.P.		PAG2003608015
Vegetated Open Channels - A/B soils, no underdrain	63		40	12	7.3	-76	9	23.98	6/1/2013	LNR Property, L.P.		PAG2003607005
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	8	-76	11	0.94	6/1/2013	Scott D. Houser		PAG2003605007
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	8.6	-76	11	0.15	6/1/2013	Scott D. Houser		PAG2003605007
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	9.24	-76	11	0.55	6/1/2013	Robert J. & Carolyn Swift		PAG2003605007
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	11.04	-76	11	4.04	6/1/2013	James Michael Stoltzfus		PAG2003605007
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	10.71	-76	11	5.85	6/1/2013	Akron Road LLC		PAG2003605007
Vegetated Open Channels - A/B soils, no underdrain	63		40	11	25.49	-76	9	29.08	6/1/2012	Todd R. & Leanne B. Altemos		PAG2003603128
Vegetated Open Channels - A/B soils, no underdrain	63		40	11	25.49	-76	9	29.08	6/1/2012	Gregory Mercer		PAG2003603110
Vegetated Open Channels - A/B soils, no underdrain	63		40	9	57.85	-76	9	21.54	6/1/2012	Ephrata GF, LP		PAG2003603110
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	2.35	-76	9	30.37	6/1/2012	Ephrata GF, LP		PAG2003603068
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	58.26	-76	9	30.27	6/1/2012	Ephrata GF, LP		PAG02003612091
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	57.23	-76	9	25.5	6/1/2012	Ephrata GF, LP		PAG02003616003
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	57.73	-76	8	54.09	6/1/2012	LCBC Church – Jim Stuckey		PAG02003613080
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	52.14	-76	8	58.69	6/1/2012	LCBC Church – Jim Stuckey		PAG02003612091
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	54.48	-76	8	52.49	6/1/2012	LCBC Church – Jim Stuckey		PAG02003612091
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	55.69	-76	8	53.31	6/1/2012	LCBC Church – Jim Stuckey		PAG02003614114
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	55.62	-76	8	52.1	6/1/2012	LCBC Church – Jim Stuckey		PAG02003614117
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	52.77	-76	8	56.15	6/1/2012	LCBC Church – Jim Stuckey		PAG02003612091
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	53.77	-76	8	54.55	6/1/2012	LCBC Church – Jim Stuckey		PAG02003612039

BMP Inventory

BMP Name	BMP ID No.	DA (ac)	Lat Degrees	Lat Minutes	Lat Seconds	Lon Degrees	Lon Minutes	Lon Seconds	Date Installed	Entity Responsible for O&M	O&M Requirements	NPDES Permit No.
Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	48		40	9	55.91	-76	8	54.07	6/1/2012	LCBC Church – Jim Stuckey		PAG02003612091
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	56.53	-76	8	54.67	6/1/2012	LCBC Church – Jim Stuckey		PAG02003613079
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	56	-76	8	56.11	6/1/2012	LCBC Church – Jim Stuckey		PAG02003614020
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	51.6	-76	8	58.06	6/1/2012	LCBC Church – Jim Stuckey		PAG02003614020
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	51.76	-76	8	56.89	6/1/2012	LCBC Church – Jim Stuckey		PAG02003614020
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	53.31	-76	8	58.08	6/1/2012	LCBC Church – Jim Stuckey		PAG02003611091
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	53.23	-76	8	58.58	6/1/2012	LCBC Church – Jim Stuckey		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	52.44	-76	8	57.9	6/1/2012	LCBC Church – Jim Stuckey		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	56.31	-76	8	52.05	6/1/2012	LCBC Church – Jim Stuckey		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	9	53.47	-76	8	55.46	6/1/2012	LCBC Church – Jim Stuckey		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	24.9	-76	9	55.66	6/1/2012	DWF Real Estate		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	23.17	-76	9	51.85	6/1/2012	DWF Real Estate		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	50.72	-76	12	25.94	6/1/2012	Lincoln’s Meadow Home HOA		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	12	1.54	-76	12	36.26	6/1/2012	Lincoln’s Meadow Home HOA		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	16.26	-76	9	34.62	6/1/2011	Larry W. & Cynthia L. Fox		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	25.18	-76	9	25.02	6/1/2011	Friendship Community		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	25.18	-76	9	25.02	6/1/2011	Charles S. & Shirley M. Fitzgerald		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	52.99	-76	11	45.49	6/1/2011	Willow Creek Holdings, LLC		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	53.14	-76	11	48.92	6/1/2011	Willow Creek Holdings, LLC		PAG02003611041
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	52.06	-76	11	47.99	6/1/2011	Willow Creek Holdings, LLC		PAG2003608047
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	52.06	-76	11	47.99	6/1/2011	Willow Creek Holdings, LLC		PAG2003608047
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	55.16	-76	11	46.39	6/1/2011	Willow Creek Holdings, LLC		PAG2003607068
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	55.16	-76	11	46.39	6/1/2011	Willow Creek Holdings, LLC		PAG2003603110
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	52.24	-76	11	45.96	6/1/2011	Willow Creek Holdings, LLC		PAG2003603068
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	32.04	-76	9	28.37	6/1/2010	Farmers Market and Auction, Inc.		PAG2003608047
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	11	28	-76	9	25.05	6/1/2010	Farmers Market and Auction, Inc.		PAG2003608047
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	25.12	-76	9	18.38	6/1/2010	Farmers Market and Auction, Inc.		PAG02003611091
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	32.04	-76	9	28.37	6/1/2010	James & Wendy J. Shaffer		PAG02003612025
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	21.89	-76	9	13.95	6/1/2010	Farmers Market and Auction, Inc.		PAG02003612025
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	26.19	-76	9	21.56	6/1/2010	Farmers Market and Auction, Inc.		PAG2003608047
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	22.45	-76	9	22.32	6/1/2010	Farmers Market and Auction, Inc.		PAG2003608015
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	28.98	-76	9	25.25	6/1/2010	Farmers Market and Auction, Inc.		PAG2003608015
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	30.24	-76	9	30.56	6/1/2010	Benjamin Patrushev and Svetlana Patrusheva		PAG2003608015
Bioretention/raingardens - A/B soils, no underdrain	31		40	11	31.51	-76	9	32	6/1/2010	Greg C. & Ann M. Heffner		PAG2003608015
Filtering Practices	39		40	11	32	-76	9	30.78	6/1/2010	Gardel, LLC		PAG02003612091
Filtering Practices	39		40	11	32.08	-76	9	29.57	6/1/2010	Gardel, LLC		PAG02003612091
Filtering Practices	39		40	11	24.84	-76	9	27.02	6/1/2010	Robert & Michelenia Jameson		PAG02003613079
Filtering Practices	39		40	11	24.84	-76	9	27.02	6/1/2010	Matthew & Nicole E. Whiteley		PAG02003613080
Filtering Practices	39		40	11	25	-76	9	27.67	6/1/2010	Matthew & Nicole E. Whiteley		PAG2003608045
Filtering Practices	39		40	11	25.07	-76	9	27.76	6/1/2010	Sylvia Allwardt		PAG02003614020
Filtering Practices	39		40	9	59.94	-76	9	55.55	6/1/2009	Ephrata Master Holdings LLC		PAG02003612091
Filtering Practices	39		40	11	15.7	-76	10	7.53	6/1/2009	GRH Development, Inc.		PAG02003612091

BMP Inventory

BMP Name	BMP ID No.	DA (ac)	Lat Degrees	Lat Minutes	Lat Seconds	Lon Degrees	Lon Minutes	Lon Seconds	Date Installed	Entity Responsible for O&M	O&M Requirements	NPDES Permit No.
Filtering Practices	39		40	9	46.05	-76	6	28.19	6/1/2009	Luke R. & Lorene Zimmerman		PAG02003612091
Filtering Practices	39		40	10	55.18	-76	12	3.78	6/1/2009	Stone Creek Holdings, LLC		PAG02003612091
Filtering Practices	39		40	11	1.83	-76	12	2	6/1/2009	Phillippi Creek, Inc.		PAG02003612091
Filtering Practices	39		40	10	25.07	-76	7	51.22	6/1/2009	Norman G. & Eunice B. Hoover		PAG02003612091
Filtering Practices	39		40	10	39.75	-76	9	47.34	6/1/2007	Duane D. and Reyna L Britton		PAG02003611091
Filtering Practices	39		40	10	42.62	-76	9	48.28	6/1/2007	Duane D. and Reyna L Britton		PAG02003611091
Filtering Practices	39		40	9	27.87	-76	6	39.2	6/1/2007	Leaverland Mennonite Reception Center, Inc.		PAG02003611091
Filtering Practices	39		40	9	29.11	-76	6	35.97	6/1/2007	Leaverland Mennonite Reception Center, Inc.		PAG02003611091
Filtering Practices	39		40	9	26.18	-76	6	32.7	6/1/2007	Leaverland Mennonite Reception Center, Inc.		PAG02003612091
Filtering Practices	39		40	11	58.34	-76	9	19.66	6/1/2007	Lester R. Summers Inc.		PAG02003612091
Filtering Practices	39		40	11	55.3	-76	9	22.79	6/1/2007	Lester R. Summers Inc.		PAG02003612091
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	9.59	-76	10	31.87	6/1/2006	Glen M. & Sharon E. Bollinger		PAG2003603118
Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	49		40	10	11.25	-76	10	33.76	6/1/2006	Rodney N. & Denise I. Weitzel		PAG2003603118
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	11.04	-76	10	34.54	6/1/2006	Jessica A. Stone		PAG2003606079
Vegetated Open Channels - A/B soils, no underdrain	63		40	10	10.77	-76	10	35.22	6/1/2006	Frank Kiefer		PAG2003606079
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	10.53	-76	10	36.15	6/1/2006	Gary R. & Jill S. Fischbach		PAG2003603118
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	10.26	-76	10	37.12	6/1/2006	Michael S. & Debra S. Showalter		PAG2003604015
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	54.73	-76	9	19.19	6/1/2005	Premier R&G Properties, Richard Stauffer		PAG2003604015
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	16.05	-76	9	32.99	6/1/2005	Donald R. & Karen M. Thomas		PAG2003603118
Dry Detention Ponds and Hydrodynamic Structures	35		40	10	14.39	-76	9	32.73	6/1/2005	Loren Z. & Rosene H. Weaver		PAG2003603118
Filter Strip Stormwater Treatment	38		40	10	14.83	-76	9	32.26	6/1/2005	Loren Z. & Rosene H. Weaver		PAG02003614020
Filter Strip Stormwater Treatment	38		40	10	14.22	-76	9	33.5	6/1/2005	Wheeler E. & Shirley A. Walker		PAG02003614020
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	45.25	-76	9	14.89	6/1/2005	Stauffer Diesel		PAG02003614114
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	44.15	-76	9	15.14	6/1/2005	Stauffer Diesel		PAG02003614114
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	43.16	-76	9	16.8	6/1/2005	Stauffer Diesel		PAG02003612025
Dry Detention Ponds and Hydrodynamic Structures	35		40	9	46.11	-76	9	15.05	6/1/2005	Stauffer Diesel		PAG02003611041
Wetland Creation - Floodplain	66		40	9	43.04	-76	8	42.83	6/1/2004	Les Bowman		PAG2003608045
Wetland Creation - Floodplain	66		40	9	44.19	-76	8	43.92	6/1/2004	Les Bowman		PAG2003608045