



## ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2022 TO JUNE 30, 2023

GENERAL INFORMATION					
Permittee Name:	North Londonderry Township	NPDES Permit No.:	PA133563		
Mailing Address:	655 E. Ridge Road	Effective Date:	July 1, 2018		
City, State, Zip:	Palmyra, PA 17078	Expiration Date:	N/A		
MS4 Contact Person:	Kristopher D. Troup	Renewal Due Date:	July 1, 2023		
Title:	Assistant Manager	Municipality:	North Londonderry Township		
Phone:	717-838-1373	County:	Lebanon		
Email:	krist@nlondtwp.com				
Co-Permittees (if applicable): N/A					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input checked="" type="checkbox"/> Appendix B <input 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?
Killinger Creek	TSF, MF	Yes	Phosphorus, Pathogens	Yes	No
Quittapahilla Creek	TSF, MF	Yes	Sediment, Pathogens	Yes	No
Spring Creek	WWF, MF	Yes	Sediment	No	No
Swatara Creek	WWF, MF	No	N/A	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	N. Londonderry Twp.	Kristopher Troup	717-838-1373
#2 Public Involvement/Participation	N. Londonderry Twp.	Kristopher Troup	717-838-1373
#3 Illicit Discharge Detection and Elimination (IDD&E)	N. Londonderry Twp.	John Dubbs	717-838-1373
#4 Construction Site Storm Water Runoff Control	Lebanon County Conservation District	Karl Kerchner	717-277-5275
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Lebanon County Engineer	Rick Bolt, P.E.	717-273-3217
#6 Pollution Prevention / Good Housekeeping	N. Londonderry Twp.	John Dubbs	717-838-1373

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

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

1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?

Yes     No

2. Date of latest annual review of PEOP: February 2, 2023      Were updates made?     Yes     No

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

\*Make "After the Storm" brochures available to residents.

\*Provide appropriate stormwater educational links on the Township website.

\*Include at least one stormwater article in each NLT newsletter.

\*Provide pollution prevention handouts to developers.

\*Continue installing storm drain stencils.

\*Discuss MS4 program at a Board of Supervisors meetings.

\*Discuss MS4 stormwater issues with Township Highway employees.

\*Discuss program concepts with County representatives to share ideas and resources for implementing the program.

\*Place most recent NLT Annual MS4 Report on the Township website.

\*Display LCCWA stormwater pollution prevention banner at Township facilities.

\*Distribute "rack cards" containing stormwater pollution prevention tips.

\*Posted stormwater educational material to the Township facebook page on a monthly basis.

\*Ran an educational advertisement with LebTown, a local internet news source.

\*Held our 1st Annual Arbor Day event in conjunction with the Lebanon County Clean Water Alliance.

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:

For the upcoming reporting year, North Londonderry Township will continue all of the public education and outreach efforts that were identified for this reporting year (see item #3). Additionally, we plan to expand/enhance the Arbor Day Event for year #2.

**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: January 27, 2023    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: March 29, 2023    Were updates made?     Yes  No
3. Do you have a municipal website?     Yes     No    (URL: [www.nlondtwp.com](http://www.nlondtwp.com))

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

Added EPA link to website ([www.epa.gov/nps](http://www.epa.gov/nps)) on July 1, 2005.

Added EPA weblink to NLT website - When It Rains It Drains - [www.nlondtwp.com/wp-content/uploads/2020/07/Stormwater-Brochure-When-it-rains-it-drains.pdf](http://www.nlondtwp.com/wp-content/uploads/2020/07/Stormwater-Brochure-When-it-rains-it-drains.pdf)

Added EPA link - Protecting Water Quality from Urban Runoff - [www.nlondtwp.com/wp-content/uploads/2020/07/Urban-Runoff-Facts.pdf](http://www.nlondtwp.com/wp-content/uploads/2020/07/Urban-Runoff-Facts.pdf)

Added EPA link - Water-Efficient Landscaping - [www.nlondtwp.com/wp-content/uploads/2020/07/Water-Efficient-Landscaping.pdf](http://www.nlondtwp.com/wp-content/uploads/2020/07/Water-Efficient-Landscaping.pdf)

Added NLT MS4 Annual Report to the NLT Website. Added Fall 2022 and updated annually.  
<https://www.nlondtwp.com/wp-content/uploads/2022/10/DEPMS4AnnualRpt21.pdf>

Added a link to the NLT website where residents can report potential stormwater pollution. Added Fall 2015 and updated in June 2020. <http://www.nlondtwp.com/storm-water/#Report-Potential-Stormwater-Pollution>

Added PADEP brochure, "Guidelines for Maintaining Streams in Your Community." Spring 2018 - <http://www.nlondtwp.com/wp-content/uploads/2020/07/StreamMaintenanceBooklet.pdf>

Added link to Lebanon County Clean Water Action Team - [www.lebanoncountycleanwateractionteam.com](http://www.lebanoncountycleanwateractionteam.com)

Added link for PA DEP Chesapeake Bay Watershed - [www.dep.pa.gov/Business/Water/Pennsylvania's Chesapeake Bay Program Office/Pages/default.aspx](http://www.dep.pa.gov/Business/Water/Pennsylvania's%20Chesapeake%20Bay%20Program%20Office/Pages/default.aspx)

In June 2023, North Londonderry Township launched an updated website and a revised stormwater pollution reporting email system.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:  
A status report was given on the MS4 program at the Board of Supervisors public meetings held on October 5, 2022 and April 5, 2023.

On a monthly basis during the reporting period, the Township posted a stormwater pollution prevention message on its Facebook page.

During the current reporting period, 268 new or replacement storm drain stencils were installed throughout the Township.

"After the Storm" (When it Rains it Drains) brochures are available to the public at the Township office.

Rack cards, containing stormwater pollution prevention tips, are available to the public at the Township office.

A stormwater pollution prevention banner was displayed at the NLT Wastewater Treatment Plant along Route 422 (average daily traffic count 16,000) October 28, 2022 - December 1, 2022 and May 5, 2023 - June 5, 2023.

During the reporting period, the Township published the Fall 2022 and Spring 2023 Township Newsletters, both of which contain numerous stormwater education articles and advertisements.

A brochure "Your Water Source, You Can Make a Difference" was made available to the public at the Township office.

5. Identify specific plans for the publication of stormwater materials for the upcoming year:  
NLT plans to continue publication of all the stormwater materials mentioned in item 4 above.

**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).

During the current reporting period, 268 new or replacement storm drain stencils were installed throughout the Township.

A stormwater pollution prevention banner was displayed at the NLT Wastewater Treatment Plant along Route 422 (average daily traffic count 16,000) October 28, 2022 - December 1, 2022 and May 5, 2023 – June 5, 2023.

During the reporting period, the Township published the Fall 2022 and Spring 2023 Township Newsletters, both of which contain numerous stormwater education articles and advertisements.

**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: March 29, 2023                      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:  
  
Proposed ordinance was advertised in the Lebanon Daily News. Ordinance was adopted at a public hearing by the Lebanon County Commissioners.
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
Lebanon County Ordinance #63	9/7/22	9/15/22	9/15/22

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**BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods.**

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

Yes  No      If Yes, Date of Meeting or Event:      October 5, 2022 and April 5, 2023

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.

NLT is one of the founding members of the Lebanon County Clean Water Alliance (LCCWA). NLT attends all LCCWA meetings (held quarterly at a minimum) and participates in programs and activities hosted through the LCCWA. The Quittapahilla Creek and Swatara Creek Watershed Associations and the Lebanon Valley Conservancy are also participating members of the LCCWA.

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.

NLT participated in the initial meeting of the Spring Creek Watershed Group (Hershey area) on November 14, 2019. This group, led by Russ Collins, President, of the Doc Fritchey Chapter of Trout Unlimited, set a goal of developing a watershed implementation plan for Spring Creek by the end of 2023. Numerous local groups, businesses, local governments and private citizens are partners in this effort. The steering committee for this group has developed a "scope of work" which outlines the goals to restore this vital watershed. A grant has been received to move forward with a watershed implementation plan. The group is working with PennDOT on their project to relocate a portion of Spring Creek to facilitate the relocation of Lingle Avenue to mitigate road flooding, which has plagued the road for decades. The Spring Creek Watershed Association is in the process of forming a 501C3 corporation, which would make it possible to seek state and federal grants to carry out the watershed implementation plan.

**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: August 4, 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):      8-9-2023

3. Total No. of Outfalls in MS4:      24                      Total No. of Outfalls Mapped:      24

4. Total No. of Observation Points: N/A                      Total No. of Observation Points Mapped: N/A
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): 8-9-2023

**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: On March 16, 2020, NLT adopted a Storm Water Ordinance. The ordinance regulates the contribution of pollutants to the MS4 by stormwater dischargers. This ordinance will compliment the Lebanon County Stormwater Ordinance, which was updated on 9/15/2022.

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
6/15/23	Raw sewage dumped in stormwater inlet. Perhaps from a travel trailer.	Daniel & Gail Fogleman	No way to identify perpetrator. Adjacent property owners notified.

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? During the reporting period, the Township published the Fall 2022 and Spring 2023 Township Newsletters, both of which contain numerous stormwater education articles and advertisements.

On a monthly basis during the reporting period, the Township posted a stormwater pollution prevention message on its Facebook page.

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: The Township currently is under the auspices of the Lebanon County Subdivision and Land Development Ordinance and the Lebanon County Stormwater Ordinance. On September 15, 2022, The Lebanon County Planning Department, informed North Londonderry Township that the Lebanon County Stormwater Ordinance was amended to incorporate new storm water management design concepts in order to be consistent with the 2022 PA DEP Model Stormwater Management Ordinance. Additionally, these new regulations were reviewed by DEP, thus, the existing Ordinance does satisfy the MS4 requirements.

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.**

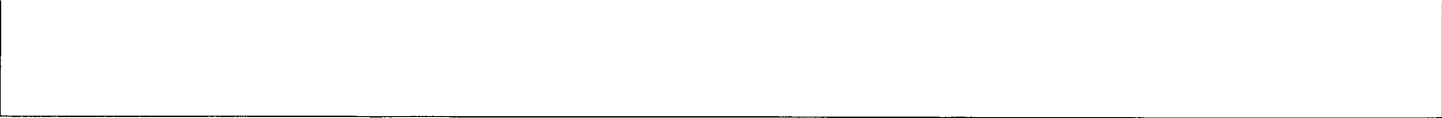
Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:

**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: 9/15/22
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: 9/15/22
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.
66	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	12	Hillwood Palmyra LP	40°30'61"	76°60'79"	2003	Sediment removal, mowing, cleaning of pipes/inlets	PAR-10-P189
49	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	12	N. Londonderry Investors, LP	40°32'03"	76°56'14"	2003	Sediment removal, mowing, cleaning of pipes/inlets	N/A
18	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	43	Arbor Greene HOA	40°29'08"	76°59'13"	2003	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-02-007 PAG2-0038-03-007
31	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels		Edison Woods HOA	40°33'43"	76°59'96"	2004	Sediment removal, mowing, cleaning of pipes/inlets	PAR-10-P122
15	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	60	London Croft HOA	40°31'32"	76°55'90"	2004	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-09-012
43	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	5	Michael & Vicki Deitzler	40°31'88"	76°57'02"	2004	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-04-015
44	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	12	N. Londonderry LHC LP	40°32'08"	76°56'48"	2005	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-04-017
19	Dry Detention Pond, Storm Drain Cleaning	19	Donald & Cathy Foreman	40°29'12"	76°60'07"	2005	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-04-009

63	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	12	N. Londonderry Investors LP	40°32'01"	76°56'26"	2005	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-05-010
17	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	32	Arbor Greene HOA	40°29'57"	76°59'27"	2008	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-03-007
71	Dry Detention Pond, Storm Drain Cleaning, Bioretention/raingarden	20	Londonderry Village	40°30'42"	76°57'46"	2006	Clean BMPs, Mow det. basin, mulch rain garden	PAG2-0038-06-002
27	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels		Palmyra Area School District	40°29'88"	76°58'36"	2006	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-05-0035
69	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	4	PA Central Credit Union	40°31'66"	76°57'61"	2007	Sediment removal, mowing, cleaning of pipes/inlets	N/A
64	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels	12	N. Londonderry Investors, LP	40°32'01"	76°56'30"	2007	Sediment removal, mowing, cleaning of pipes/inlets	PAG2-0038-05-017
67	Dry Detention Pond, Storm Drain Cleaning, Vegetated Open Channels		Hershey Foods Corporation	40°31'41"	76°60'99"	2008	Sediment removal, mowing, cleaning of pipes/inlets	PAR101203
65	Dry Detention Pond, Storm Drain Cleaning, Bioretention/raingarden	20	Londonderry Village	40°30'50"	76°57'31"	2008	Clean BMPs, Mow det. basin, mulch rain garden	PAG2-0038-06-002



**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 MSA 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.
2	Dry Detention Basin, Storm Drain Cleaning		Edison Woods HOA	40°33'59"	76°59'68"	2008	Mow BMP's, remove sediment	PAR-10-P122
58	Dry Detention Basin		Jonathan & Lindsay Bixler	40°32'41"	76°60'11"	2009	Mow BMP's, remove sediment	N/A
80	Storm Drain Cleaning		Members 1st Federal Credit Union	40°31'50"	76°58'13"	2009	Remove debris from facilities	PAG2-0038-08-014
62	Bioretention/raingarden	4	Palmyra Area School District	40°28'84"	76°59'77"	2010	Mow BMP's, remove sediment	PAG2-0038-09-014
57	Bioretention/raingarden, Infiltration Practices		David Bixler	40°32'36"	76°60'30"	2009	Remove sediment, mulch raingarden	N/A
90	Vegetated Channel		Adrian Hohenwarter	40°33'52"	76°59'97"	2009	Mow BMP, remove debris	N/A
79	Vegetated Channel		Christ Megoulas	40°33'52"	76°59'97"	2009	Mow BMP, remove debris	N/A
89	Vegetated Channel		Mark Dion	40°33'56"	76°59'88"	2009	Mow BMP, remove debris	N/A
52	Dry Detention Basin		Scott Wise	40°33'40"	76°59'80"	2011	Mow BMP, remove debris	N/A
93	Dry Detention Basin, Vegetated Channel		George Nahodil	40°33'52"	76°59'62"	2016	Mow BMP, remove debris	N/A
74	Dry Detention Basin		Chris Bauer	40°33'44"	76°59'72"	2014	Mow BMP, remove debris	N/A

60	Dry Detention Basin, Storm Drain Cleaning		Holy Spirit Catholic Church	40°29'96"	76°59'72"	2010	Mow BMP, remove sediment	N/A
68	Dry Detention Basin, Storm Drain Cleaning, vegetated Channels		Hershey Foods Corporation	40°31'42"	76°60'99"	2010	Mow BMP, remove debris	PAG2-0038-10-006
15	Dry Detention Basin, Storm Drain Cleaning, vegetated Channels		London Croft HOA	40°31'33"	76°55'90"	2010	Mow BMP, remove sediment, clean pipes	PAG2-0038-09-012
45	Dry Detention Basin, Storm Drain Cleaning, vegetated Channels	12	N. Londonderry TR, LP	40°31'99"	76°56'41"	2011	Mow BMP, remove debris	PAG20038-07-017
53	Dry Detention Basin		Bryan Shipp	40°34'27"	76°61'63"	2016	Mow BMP, remove debris	PAG-02-0038-10-016

**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.
85	Dry Detention Pond		Amit Prasad	40°34'23"	76°61'42"	2011	Mow BMP, Remove debris	PAG-02-0038-10-016
88	Dry Detention Pond		Leonard Crawford	40°43'14"	76°61'42"	2014	Mow BMP, Remove debris	PAG-02-038-10-016
87	Dry Detention Pond		Timothy Gratton	40°34'23"	76°61'25"	2011	Mow BMP, Remove debris	PAG-02-0038-10-016
86	Dry Detention Pond		Bank of America	40°34'22"	76°61'18"	2013	Mow BMP, Remove debris	PAG-02-0038-10-016-R
55	Bioretention/rain garden		Tom DiMartle	40°28'98"	76°58'98"	2013	Remove sediment, Mulch rain garden	N/A
6	Bioretention/rain garden, Storm drain cleaning		Londonderry Village Wheaton Apartments	40°30'28"	76°57'49"	2015	Clean BMPs of sediment/debris, Mulch rain garden	PAG2-02-0038-14-016
6	Bioretention/rain garden, Storm drain cleaning		Londonderry Village Addition to Wheaton Apartments	40°30'11"	76°57'35"	2017	Clean BMPs of sediment/debris, Mulch rain garden	PAG02-0038-14-016 (1)
83	Dry detention pond, Storm drain cleaning		Lebanon Valley Family Medicine	40°29'64"	76°57'63"	2018	Mow BMP, Remove sediment	PAG-02-0038-16-029
82	Dry detention Pond, Storm drain cleaning, vegetated channels		Keystone Custom Homes, London Croft Ph. 2B	40°31'28"	76°55'85"	Under Construction	Mow BMPs, Remove sediment/debris	PAG-02-0038-09-012R
91	Dry detention pond		Joel Gamon	40°30'31"	76°57'62"	2007	Mow BMP, Remove debris	N/A

92	Subsurface stormwater treatment		Glen Wagner	40°31'63"	76°57'82"	2011	Remove sediment/organic matter from inlets	N/A
168	Dry detention basin, bioretention basin, pipes		Gracepoint Church	40°29'68"	76°57'10"	2019	Remove sediment, mow BMPs, clean inlets/pipes	PAC380031
78	Dry detention basin, inlets, pipes		Londonderry Village Greenhouses 586	40°30'49"	76°57'30"	2020	Sediment removal, mowing, cleaning of pipes/inlets	PAC380079
67	Dry detention basin, inlets, pipes		East Point Trade Center Bldg. "C"	40°30'74"	76°61'14"	2020	Sediment removal, mowing, cleaning of pipes/inlets	PAG02-0038-13-025
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				o , "	o , "			

**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.
27	Underground infiltration trench, pipes, inlets	12.0	Palmyra Area High School - athletic fields	76°35'12"	40°17'52"	2021	Keep inlets and pipes clean	PAC380140
183	Underground infiltration trench, pipes, inlets	2.5	Hanford Storage, LLC	76°57'40"	40°31'60"	2021	Keep inlets and pipes clean	PAC380178
188	Dry detention basin, inlets, pipes, swales, stream buffer	24.9	Winding Creek Ph. 1	76°55'60"	40°30'40"	2022	Mow basins and swales, keep inlets & pipes	PAC380143
187	Dry detention basin, inlets, pipes, swales, stream buffer	23.8	Summer Layne - Phase 1	76°55'50"	40°30'20"	2022	Mow basins and swales, keep inlets & pipes	PAC380111
190	Dry detention basin, inlet, pipes	5.0	Londonderry Village - Solar Array	76°57'60"	40°30'50"	2022	Mow basin. Keep inlets & pipes clean	PAC380222
X	Grass swale		Michael Slatt	76°59'70"	40°33'40"	2022	Mow swale & remove debris	N/A
7				0 , "	0 , "			
8				0 , "	0 , "			
9				0 , "	0 , "			
10				0 , "	0 , "			
11				0 , "	0 , "			
12				0 , "	0 , "			
13				0 , "	0 , "			

**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 30, 2022
3. When was it last updated? June 30, 2022

**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: August 8, 2019

**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: July 7, 2021      Date of latest training: March 17, 2022

3. Training topics covered:

- A. Stormwater Solutions for Your Residents
- B. Preparing for a DEP MS4 Inspection
- C. Evolved Stormwater Solutions
- D. Performing MS4 Outfall Inspections
- E. Township Stormwater Infrastructure (annual training)
- F. Stormwater Controls for Municipal Garages

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

- A. Penn State (Kristen Koch & Andy Yench)
- B. Center for Watershed Protection (Beth Uhler & Jon Altshul)
- C. Fabco Industries (Warren Cohn)
- D. ARRO Consulting (Mark Harman, P.G.)
- E. Brian Grumbine (Assistant Twp. Roadmaster)
- F. PSATS (James Wheeler)

5. Names of training attendees:

- A. Kris Troup
- B. Kris Troup
- C. Kris Troup
- D. Kris Troup & John Dubbs
- E. John Dubbs, Allen Lehman, Eli Ritter, Chris Weaver, Joel Wood, Dustin Forry
- F. John Dubbs, Brian Grumbine, Eli Ritter, Chris Weaver, Joel Wood, Allen Lehman, Dustin Forry

**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)	August 17, 2018	<input type="checkbox"/>	
Source Inventory	September 1, 2020	<input type="checkbox"/>	
Investigation of Suspected Sources	September 10, 2021	<input type="checkbox"/>	
Ordinance/SOP for Controlling Animal Wastes	March 16, 2020	<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	9/14/17	7/1/18	Chesapeake Bay, Spring Creek, Quittapahilla Creek, Killinger Creek
<input type="checkbox"/> Combined PRP / TMDL Plan			
<input type="checkbox"/> 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	153,645 lb/yr		
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: September 30, 2023

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

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

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

If Yes to #4, describe the plan modifications.

The update to the approved PRP was approved by PA DEP (Jacob Rakowsky) on 8/16/22. Even though this approval fell outside of the 2021/2022 reporting period, we were told to include it with that annual report. Basically, the update extends the length of BMP "C" and does not propose any new BMPs.

5. Summary of progress achieved during reporting period.

- \*Maintained vegetation for BMP-A
- \*Continued maintenance of BMP-B (Inlet filters)
- \*Completed engineering design of BMP-C
- \*Submitted PA DEP permit application for BMP-C
- \*Completed construction of BMP-C

6. Anticipated activities for next reporting period.



- \*Continue maintenance of BMP's - A, B & C
- \*Search for additional pollutant reduction projects in the Township

**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)
C	Stream Restoration	N/A	16	1,050	lin. ft.	40°32'00"	76°55'47"	4/1/2023	<input checked="" type="checkbox"/>	<input type="checkbox"/>	123,625
						° ' "	° ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						° ' "	° ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						° ' "	° ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						° ' "	° ' "		<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?
B	Inlet Filter Bags	.5	28	6	Filter Bags	40°29'48"	76°60'33"	7/1/2019	386	6/30/22	<input checked="" type="checkbox"/>
A	Vegetated Swale & Rain Garden	90	23	19,150	sq.ft.	40°29'93"	76°58'83"	3/1/2021	29,634	6/30/22	<input checked="" type="checkbox"/>
						° ' "	° ' "				<input type="checkbox"/>
						° ' "	° ' "				<input type="checkbox"/>
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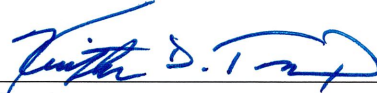
### CERTIFICATION

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

**For All Permittees:** I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Kristopher D. Troup

\_\_\_\_\_  
Name of Responsible Official



\_\_\_\_\_  
Signature

717-838-1373

\_\_\_\_\_  
Telephone No.

September 20, 2023

\_\_\_\_\_  
Date