

WYNN ASSOCIATES, INC.
MUNICIPAL ENGINEERING SERVICES

211 West Broad Street • Quakertown • PA • 18951
(215) 536-7336 • FAX (215) 536-5361

September 30, 2022

Krista Brown
Environmental Protection Compliance Specialist
Clean Water Program
PA Department of Environmental Protection
Southeast Regional Office
2 E. Main Street
Norristown, PA 19401

Subject: MS4 Annual Report
NPDES Permit No. PA1130506
Solebury Township, Bucks County

Dear Ms. Brown,

Enclosed is the Annual Municipal Separate Storm Sewer System (MS4) Status Report for Solebury Township, which has additionally been uploaded to the PADEP Onbase portal.

If you have any questions, please do not hesitate to contact me.

Very Truly Yours



Curtis J. Genner, Jr., P.E.
Township Engineer

Cc: Christopher Garges, Township Manager (via email)
Michele Blood, Assistant Manager/Finance Director/Treasurer (via email)
Catherine Cataldi, Secretary Dept. of Administration (via email)



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

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

GENERAL INFORMATION					
Permittee Name:	Solebury Township	NPDES Permit No.:	PAI 130506		
Mailing Address:	3092 Sугan Road	Effective Date:	10/1/2018		
City, State, Zip:	Solebury, PA 18963	Expiration Date:	9/30/2023		
MS4 Contact Person:	Curtis J. Genner, Jr.	Renewal Due Date:	4/3/2023		
Title:	Township Engineer	Municipality:	Solebury Township		
Phone:	215-536-7336	County:	Bucks		
Email:	cgenner@wynn-associates.com				
Co-Permittees (if applicable):					
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 type="checkbox"/> Appendix D <input type="checkbox"/> Appendix E <input type="checkbox"/> Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? <input type="checkbox"/> Yes <input checked="" 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?
Paunacussing Creek	HQ-CWF, MF	No			
Lahaska Creek	TSF, MF	No			
Rabbit Run	TSF, MF	No			
Aquetong Creek	HQ-CWF, MF	No			
Unnamed Tributary to Delaware River (Primrose Creeek)	TSF, MF	Yes	Siltation	No	No
Delaware River		Yes	Mercury	No	No

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

Yes No

2. Date of latest annual review of educational materials: Completed Were updates made? Yes No
periodically throughout each year.

3. Do you have a municipal website? Yes No (URL:
www.soleburytp.org)

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

Stormwater Management

Polluted Runoff: Nonpoint Source Pollution EPA Watersheds: This webpage is offered to educate residents about stormwater regulations, potential water pollution or flooding as a result of our local activities in the watershed. Solebury Township operates a Municipal Stormwater System (MSS) that is permitted by the Pennsylvania Department of Environmental Protection (PA DEP). This Permit requires that the Township:

- Continue public education and outreach activities
- Notify and solicit public input and involvement regarding management of the stormwater system
- Monitor, test and eliminate illicit discharges from outfalls (stormwater exiting pipes into the waterways) in the system
- Control construction site stormwater runoff through enforcement of ordinances
- Ensure that all post-construction stormwater improvements in new or re-developed areas are built as designed and are operated and maintained properly
- Implement a pollution prevention program for municipal operations

Nearly all of our Township newsletters have included an article about stormwater in the last five years or more as part of the PA DEP MSS Permit "public education" process. Township and development construction activities (land developments and subdivisions) are monitored by the Township Engineer.

In 2003, many municipalities in Pennsylvania were required to obtain a National Pollution Discharge Elimination System (NPDES) permit to discharge storm runoff from the municipality owned storm sewer system (Learn more about NPDES on the United States Environmental Protection Agency webpage). Solebury Township received their NPDES-MS4 permit in 2004. Since that time, Solebury has complied with the requirements of the permit, which include tasks such as:

- Enacted Stormwater Management Ordinance(s) pursuant to PADEP (Ordinance No, 2011-06, as amended)
- Inspect every stormwater outfall that discharges to the local streams and creeks for signs of pollution
- Encourage the public to participate in stormwater related activities
- Provide educational materials to the public and business owners
- Review construction plans and permits for stormwater related concerns
- File an annual report with the Pennsylvania Department of Environmental Protection (PADEP) documenting the permit related activities that occurred during the year.

For additional information, visit the [EPA Water Homepage](#) and the [EPA Stormwater Homepage](#). Another valuable resource is the [The Bucks County Conservation District website](#).

What is Stormwater and why is it so important?

Stormwater runoff is generated when precipitation from rain and snow melt events flow over land and impervious surfaces and does not infiltrate into the ground. The runoff from streets, lawns, farms and construction and industrial sites picks up fertilizers, dirt, chemicals, pesticides, oil, grease and many other pollutants and discharges it into our streams and rivers. This untreated discharge is detrimental to our water quality as it can adversely affect our drinking water supply and the environment. In Solebury Township, polluted stormwater could contaminate the Aquetong, Cuttalossa, Paucussing Creek or Primrose Creek Watersheds.

Many Best Management Practices (BMPs), such as detention or infiltration basins, are already in place to help keep our waters clean. The Environmental Protection Agency (EPA) website is a good place to visit for stormwater information and regulations:

- [Stormwater Basic Information](#)
- [PA EPA Stormwater Management Program](#)
- [Polluted Runoff: Nonpoint Source Pollution](#)
- [EPA Water Pollution Prevention and Control](#)
- [EPA Watersheds](#)

What does the Township do to regulate stormwater?

The Township enforces Stormwater Ordinance No. 2011-06, as amended. Contact the Township to review a copy of this Ordinance.

Solebury Township regulates stormwater management through a permit that is obtained from the Pennsylvania Department of Environmental Protection (PA DEP) through the National Pollution and Discharge Elimination System Phase II (NPDES)/ Municipals Separate Storm Sewer System (MS4). This is a federal requirement from the United States Environmental Protection Agency (USEPA) that is administered by the PA DEP.

The Township also requires a Stormwater Management Plan Review if the stormwater management project is not part of a formal Land Development.

How Can Residents Help?

There are many ways you can help the Township with its stormwater program and participate in activities and programs that will keep pollutants, chemicals, trash, and other waste products out of our waterways. Please read Solution to Pollution from the EPA.

Residents can help by watching for:

- Sediment leaving a construction site via stormwater runoff
- Spills (chemical, gas, oil)
- Illegal dumping activity into streams or storm sewers (PLEASE CALL 911 FIRST)
- Dry weather flows from outfall pipes into streams (at least 72 hours after a rain storm)

Residents may be the first to recognize "illicit" discharges dumping into storm sewers or coming out of from storm sewer outfalls. If you see an "illicit" discharge please report it by calling the Township office at 215-297-5656 between 8 a.m. and 4 p.m. weekdays, or email us. Call 911 during non-business hours. Also, take photos if possible.

For more information regarding residential stormwater, please review The Homeowner's Guide to Stormwater pamphlet and an accompanying webinar, titled "A Homeowner's Guide to Stormwater" provided courtesy of Penn State.

Stormwater Management Documents

- Meadows - the New Standard
- Word of the Day: Imperviousness
- Trees: Good for You
- All Water is Somebody's Source Water
- BCCD Rain Garden Pamphlet
- Canines for Clean Creeks
- Clean Water BMPS - Auto Service Businesses
- Clean Water BMPS - Restaurants and Food Services
- Clean Water Maintain Your BMPS
- Clean Water Maintain Your BMPS Erosion Sediment Control
- Clean Water Swimming Pool Guidelines
- Grasscycling
- Love Your Stormwater
- Maintain Your BMPS for Construction Industry
- PA Stormwater Management Manual Rain Gardens
- Raingarden Brochure
- Raingarden Manual
- Solution to Pollution
- The Influence of Construction Activities
- Tips for Septic System Owners
- What the Construction Industry Needs to Know About Stormwater
- When it Rains it Drains
- Erosion & Sedimentation Control, Grading and/or Stormwater Management Permit Application - Residential

- Erosion & Sedimentation Control, Grading and/or Stormwater Management Permit Application - Commercial

Clean Water and the Business Community

Solebury Township encourages our business community to practice Best Management Practices (BMPs). The National Menu of Stormwater Best Management Practices can be viewed here. The documents below provide valuable information for our business community:

- Clean Water BMPS Auto Service Businesses
- Clean Water BMPs Restaurants and Food Services

Contractors, please be sure you are in compliance with State mandated stormwater regulations by reading these publications:

- What the Construction Industry Needs to Know About Stormwater
- The Influence of Construction Activities
- Clean Water Maintain Your BMPs Erosion Sediment Control
- Maintain Your BMPS fo Construction Industry

Please read and download the educational information provided in the Stormwater Management documentation.

Things You and Your Community Can Do to Protect Water Resources

- Maintain open, forested floodplains - Filling floodplains shortchanges the filtering power of natural areas and increases flooding elsewhere. It is also illegal.
- Plant trees and maintain streamside buffers - Streamside trees and native vegetation help filter stormwater runoff and help hold streambank soils in place. The DEP recently enacted a 75' buffer along streams to enhance water quality and reduce stormwater runoff. Delaware Riverkeeper.org
- Maintain a naturally vegetated edge between creeks and pastures or cultivated fields - A naturally vegetated stream buffer will filter out excess fertilizers and pesticides from adjacent farm fields.
- Promote clustering where new development is likely - Clustered developments require less pavement for roads and sidewalks and retain more of the overall parcel as open space.
- Disconnect your downspout from the street drain and Plant a Rain Garden - Rainwater from your roof is just as damaging to creeks and streams as runoff from a parking lot. Let your yard help filter out impurities and infiltrate stormwater back into your aquifer. If you don't have street drains, be certain stormwater coming through your downspouts is directed onto your own property and not into the road, road ditch, or a neighbor's property. Consider disconnecting your downspouts and installing rain barrels instead. They can provide water for your gardens. Please stop by the township building for ideas or consult the Rain Garden publications and visit the rain garden blog at the Perkiomen Watershed Conservancy site. The Bucks County Conservation District supports the construction of rain gardens and puts out this BCCD Rain Garden Pamphlet.
- Reduce your use of fertilizers, herbicides and pesticides - Follow directions for weed killers and pesticides very carefully, or consider discontinuing their use. Much of the chemicals and fertilizers you apply in the spring flow directly into the local creeks and seep into ground waters because the grass is not ready to absorb it. Set your mower height at 3 inches and use a mulching mower to create a healthy, organic lawn. Fertilize only in the fall. Consider Grasscycling.
- Never, ever, dump household substances or used oil into a storm drain - Bring used oil to certified recyclers.
- Convert large yards or public spaces from mown grass to meadows - The typical suburban lawn is nearly as impervious as a parking lot! Native meadow grasses infiltrate stormwater better and provide critical habitat for grassland birds. Consider converting a portion of your lawn into a meadows with paths through it to observe the wildlife.
- Pick up after your pets and keep livestock out of steams - Pet and animal wastes carry many harmful bacteria and possible diseases. They make creeks less amenable to native critters and require expensive water treatment for human use. Studies by the Center for Watershed Protection have found that a significant portion of fecal coliform bacteria in residential stormwater originates from canine waste.
- Keep paved surfaces to a minimum - Reduce impervious surfaces. Patios and parking spaces can be created with attractive pervious materials that allow stormwater infiltration to the soils below.
- Maintain Your Swimming Pool

Additional items include the following:

3. If an ordinance, SOP or plan was developed or amended during the reporting period, provide the following information:

Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP

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

1. At least one public meeting or other MS4 event must be held during the 5-year permit coverage period to solicit participation and feedback from target audience groups. Was this meeting or event held during the reporting period?
- Yes No If Yes, Date of Meeting or Event:

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.

Local watershed groups report activities to the Board of Supervisors at least quarterly. The EAC advises local governmental agencies, including the Planning Commission, Parks & Recreation Board and elected officials, on matters dealing with protection, conservation, management, promotion, and use of natural resources, including air, land and water resources, located within the Township.

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.

Public input/participation is sought at public meetings for all stormwater related improvements (such as with development plans, Township construction projects, and Aquetong Creek Restoration Project), via the website and within the Township Newsletter. Information regarding the various watershed groups including the Paunacussing Watershed Association, Aquetong Watershed Association, Cuttaloosa Creek and Coppernose Creek Watersheds Association, Pidcock Creek Watershed Association, and Primrose Watershed Association was included on the Township website and announced at various Board of Supervisors public meetings. Opportunities to volunteer include working to educate landowners about good watershed management practices, monitoring water quality within the various watersheds, and tree planting (such as at Aquetong Spring Park). Volunteer opportunities can be found in the Township Newsletter and on the Township website. Additionally, the Aquetong Spring Advisory Committee has been working to recommend the best use of existing buildings, new improvements and passive recreational opportunities for the reclaimed pond and dam area. PA Fish and Boat Commission is monitoring the stocked (native caught) brook trout health and growth in the Aquetong Creek.

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: 5/15/2020 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): 5/14/2019
3. Total No. of Outfalls in MS4: 178 Total No. of Outfalls Mapped: 178
4. Total No. of Observation Points: 79 Total No. of Observation Points Mapped: 79
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): 5/14/2019

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

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

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

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

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

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

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

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

Yes No

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

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

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

If Yes, indicate the date of the ordinance or SOP: Ordinance #2011-06 adopted on 5/19/2011, as amended

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? Refer to links and publications included in MCM #1, BMP #3.

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:

BMP #3.1. The outfall/observation point mapping was completely redone in May 2019 following a clear explanation of requirements by DEP.

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: Ordinance #2011-06 adopted on 5/19/2011, as amended

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: Plans for 21 parcels

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: Initial and followup inspections for 21 parcels

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: No official enforcement

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:

Reminder comments are identified in permit issuance memorandum

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:

Township continually updates GIS System (TRAISR) with permit reviews and inspection correspondence for all parcels

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: Ordinance #2011-06 adopted on 5/19/2011, as amended
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: Ordinance #2011-06 adopted on 5/19/2011, as amended
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): 5
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 list of 54 stormwater management facilities (includes facilities constructed before 2003)			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:

Site construction activities including structural PCSM BMPs are inspected by the Township Engineer and BCCD; and must be certified by the owner/developer's engineer. Inspection reports are completed and retained in the project file.

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? 6/21/2021
3. When was it last updated? 6/21/2021

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: 6/21/2021

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

1. Have you developed an employee training program? Yes No
2. Date of last review or update to training program: 2022 Date of latest training: May 2021

3. Training topics covered:

Inspection, maintenance, and repair of storm water collection system structures was reviewed with the Public Works staff.

Maintenance of road side swales, curblines/gutters, and culvert/driveway pipes to minimize runoff impacts was reviewed with the Public Works staff.

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

Dennis Carney, Public Works Director (during reporting period)

5. Names of training attendees:

Public Works Department : Joe Dicken, Geoff Schurer, Justin Kling, Rob Rhoades.

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)	5/14/2019	<input type="checkbox"/>	
Source Inventory		<input type="checkbox"/>	
Investigation of Suspected Sources		<input type="checkbox"/>	
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	

PCM Comments:

POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

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

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

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

Joint Plan Participants:

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 type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: N/A

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.

6. Anticipated activities for next reporting period.

PRP/TMDL Plan Comments:

Solebury Township does not have a PRP or TMDL Plan requirement.

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).

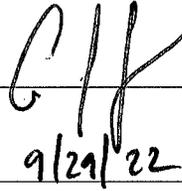
Chris Garges, Township Manager

Name of Responsible Official

215-297-5656

Telephone No.

Signature



Date

9/29/22

Basin ID	Maintained By	Description/Subdivision	Street/Access	Year(Acqd)	BMP Type	DWF*	Latest Inspection	Improvements/Comments	Basin Drainage Area (AC)	Latitude	Longitude
001-01	Private	Canal Walk	Towpath Way	1986	Infiltration- No Discharge	N	6/4/2020	Dry Basin, rip-rap bottom	4.35	40°22'58.28"N	74°57'53.65"W
002-01	Private	Canal Walk	Towpath Way	1986	Infiltration- No Discharge	N	6/4/2020	Dry Basin, rip-rap bottom with vegetation	30.36	40°22'48.96"N	74°57'35.77"W
002-02	Private	Canal Walk	Towpath Way	1986	Infiltration- No Discharge	N	6/4/2020	Dry Basin, mowed, rip-rap bottom	18.46	40°22'57.07"N	74°57'39.60"W
003-01	Private	Partridge	Partridge Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Tolerant Vegetation	24.14	40°22'4.48"N	74°58'13.51"W
004-01	Private	Fairbairn	Deerfield Court	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	1.52	40°21'59.69"N	75°05'32.86"W
004-01	Private	Creekside	Creekside Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	10.29	40°21'44.94"N	74°58'53.54"W
004-01	Private	Creekside	Creekside Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	10.67	40°21'46.07"N	74°58'48.00"W
004-02	Private	North Pointe	Adam Court	2004	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	1.14	40°21'47.16"N	74°58'37.77"W
007-01	Private	Yorkshire Meadow	Meadow Lane	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, partially mowed, partially naturalized	8.20	40°21'32.15"N	74°58'46.17"W
008-01	Private	North Pointe	Tier Court (N side)	2004	Dry Extended Detention Basin	N	6/4/2020	Naturalized with blue tolerant vegetation	24.04	40°21'48.80"N	74°58'33.33"W
008-02	Private	North Pointe	Brighton Way	2004	Dry Extended Detention Basin	N	6/4/2020	Dry basin, naturalized, mowed embankments	2.78	40°21'48.46"N	74°58'27.65"W
008-03	Private	North Pointe	Brighton Way	2004	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	8.80	40°21'50.41"N	74°58'24.14"W
009-01	Private	North Pointe	Tier Court (S Side)	2004	Dry Extended Detention Basin	N	6/4/2020	Tolerant Vegetation	11.46	40°21'36.81"N	74°58'34.25"W
009-01	Private	North Pointe	Brighton Way	2004	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	7.70	40°21'42.40"N	74°58'11.57"W
010-01	Private	Conanville	Brandon Road	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, naturalized	38.20	40°21'43.96"N	75°04'23.70"W
022-01	Private	Honey Hollow Village	Ephross Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	27.55	40°22'28.17"N	75°03'51.10"W
023-01	Private	Solebury Farms East	Shepard Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, naturalized, wooded	42.12	40°22'20.34"N	75°04'46.62"W
023-02	Private	Solebury Farms East	Shepard Drive	pre-2003	Wet pond	Y	6/4/2020	Wet pond	22.16	40°22'11.60"N	75°03'59.27"W
025-01	Private	Solebury Farms Estates	Highridge Circle	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	31.24	40°21'45.91"N	75°03'53.57"W
026-01	Private	Estates at Woods Edge	Meadowview Drive	2003	Wet pond	Y	6/4/2020	Wet pond	68.82	40°22'9.15"N	75°02'21.23"W
026-02	Private	Estates at Woods Edge	Meadowview Drive	2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	43.69	40°22'15.78"N	75°02'29.76"W
027-01	Private	Estates at Woods Edge	Meadowview Drive	2003	Wet Pond	Y	6/4/2020	Wet pond, mowed embankments	24.70	40°22'10.06"N	75°02'28.95"W
027-02	Private	Estates at Woods Edge	Meadowview Drive	2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	31.02	40°22'23.27"N	75°02'21.20"W
028-01	Private	Estates of Honey Hollow I	Estates Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	14.65	40°21'50.96"N	75°02'11.11"W
029-01	Private	Hendon Valley	Hendon Valley Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, naturalized, wooded	125.76	40°21'38.10"N	75°02'43.63"W
030-01	Private	Bellinghamshire Place	Bellinghamshire Place	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	34.71	40°21'17.30"N	75°01'58.16"W
031-01	Private	Red Fox Farms	Red Fox Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	2.96	40°21'57.86"N	75°01'58.62"W
032-01	Private	Peddlers View	Epiphany Drive	1995	Dry Detention Basin	N	6/4/2020	Dry basin, mowed, with concrete flow channels	49.53	40°20'54.86"N	75°01'38.30"W
033-01	Private	Peddlers View	Clydesdale Drive	1995	Wet Pond	Y	6/4/2020	Wet pond	33.47	40°20'52.65"N	75°01'22.23"W
035-02	Private	Peddlers View	Clydesdale Drive	1995	Dry Extended Detention Basin/Wet Pond	N	6/4/2020	Partially dry basin, partially mowed, partially wet pond	4.61	N40°20'46.81"	W75°01'13.16"
038-01	Private	Peddlers View	Coach Drive	1995	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	117.99	40°20'42.89"N	75°01'15.54"W
041-01	Private	Seasalts	Heather Drive	1996	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	36.91	40°20'45.95"N	74°59'26.29"W
072-01	Private	Municipal Building	Lilivest Circle	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	21.72	N40°23'35.27"	W75°00'09.17"
072-02	Private	Municipal Building	Laurel Road	2010	Wet Pond	Y	6/4/2020	Wet Pond with wet tolerant vegetation	13.16	N40°23'10.08"	W75°00'36.20"
072-03	Private	Municipal Building	Sugar Rd	pre-2003	Dry Extended Detention Basin	Y	6/4/2020	Wet Pond, partially naturalized with wet tolerant vegetation, mowed embankments	2.15	N40°23'01.02"	W75°00'41.44"
073-01	Private	Municipal Building	Madison Lane	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	42.28	N40°23'16.60"	W75°02'48.50"
073-02	Private	Tamarack	Tamarack Court	1995	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed, with concrete flow channels	13.83	N40°22'50.84"	W75°02'38.98"
073-03	Private	Tamarack	Tamarack Drive	1995	Wet Pond	Y	6/4/2020	Wet Pond with wet tolerant vegetation	27.16	N40°22'40.75"	W75°03'43.49"
083-01	Private	Sprucefield	Sprucefield Court	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, partially naturalized with wet tolerant vegetation, mowed embankments	5.02	N40°20'54.31"	W74°58'43.31"
084-01	Private	Partridge Hall	Margaret's Way	2009	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	23.35	N40°20'18.06"	W75°00'42.19"
087-01	Private	Partridge Hall	Candlewick Court	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	31.27	N40°19'54.26"	W74°59'39.89"
090-01	Private	Sage Meadows	Postal Route Road	2008	Wet Pond	Y	6/4/2020	Wet Pond	200.06	N40°19'58.31"	W74°58'54.00"
101-01	Private	Corwell	Corwell Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, naturalized, wooded	8.97	N40°20'51.10"	W74°57'27.60"
106-01	Private	Ingham Mews	Parliament Drive	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, naturalized, wooded	4.94	N40°21'26.69"	W74°59'05.21"
107-01	Private	Fox Run	Robinette Road	2001	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed embankments, naturalized	18.23	N40°21'25.87"	W74°59'19.19"
109-01	Private	Kingwood Ridge	Muirfield Court	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	7.12	N40°21'00.34"	W74°57'23.27"
109-01	Private	Fox Run	Sherrill Lane	2001	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed embankments, naturalized	3.27	N40°21'22.15"	W74°59'27.01"
109-01	Private	Fox Run	Donny Owl Lane	2001	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed embankments, naturalized	22.35	N40°21'30.36"	W74°59'14.02"
141-01	Private	Fox Run	Fox Tail Court	2001	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	62.37	N40°21'14.15"	W74°59'14.98"
141-01	Private	Municipal Building	Sugar Rd	2010	Wet pond	Y	6/4/2020	Wet pond naturalized with wet tolerant vegetation	1.26	N40°21'01.57"	W75°00'42.10"
141-01	Private	Municipal Building	Sugar Rd	2014	Infiltration Facility	N	6/4/2020	Maintain inlet filter	1.26	N40°21'05.51"	W75°00'42.11"
223-01	Private	Circle View Drive	Circle View Drive	pre-2003	Extended Detention Basin	N	6/4/2020	Dry basin, partially mowed	7.12	N40°23'12.18"	W74°58'42.82"
245-01	Private	Umpqua Subdivision	Hillside Lane	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	4.60	N40°23'13.65"	W74°58'17.87"
248-01	Private	OSG Mill Lane	OSG Mill Lane	pre-2003	Dry Extended Detention Basin	N	6/4/2020	Dry basin, mowed	17.63	N40°23'08.47"	W74°57'48.75"
		* DWF - Dry Weather Flow					Data 11 of the listed stormwater facilities were constructed in 2003 or after.				