

ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

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

GENERAL INFORMATION					
Permittee Name:	CHARLESTOWN TOWNSHIP		NPDES Permit No.:	PAI-130507	
Mailing Address:	PO Box 507		Effective Date:	Sept. 1, 2020	
City, State, Zip:	Devault, PA 19432		Expiration Date:	August 31, 2025	
MS4 Contact Person:	Linda M Csete/Beth Martin		Renewal Due Date:	February 1, 2025	
Title:	Township Manager/Assistant Secretary		Municipality:	Charlestown Twp	
Phone:	610-240-0326		County:	Chester	
Email:	admin1@charlestown.pa.us				
Co-Permittees (if applicable): NA					
Appendix(ces) that permittee is subject to (select all that apply): <input type="checkbox"/> Appendix A <input checked="" type="checkbox"/> Appendix B <input checked="" type="checkbox"/> Appendix C <input 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 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?
Valley Creek (Schuylkill)	EV	YES	PCB, AQUATIC LIFE URBAN RUNOFF- FLOW VARIABILITY, SILTATION, HABITAT MODIFICATION	YES, PCB	YES*
Pickering Creek	HQ-TSF	YES	CAUSE UNKNOWN	NO	NO
French Creek	TSF	TSF	PATHOGENS - SOURCE UNKNOWN	NO	NO
Valley Creek (Brandywine)	CWF	YES	AQUATIC LIFE - URBAN RUNOFF- FLOW VARIABILITY & SILTATION	YES	YES*
Pigeon Run	HQ-TSF	YES	PATHOGENS - SOURCE UNKNOWN	NO	NO
Pine Creek	HQ	YES	AQUATIC LIFE - URBAN RUNOFF	NO	NO

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

*The WLA for PCB's in Valley Creek (Schuylkill) is 0. Charlestown Township was not given a Wasteload Allocation in the Christina River Study For Valley Creek (Brandywine)					
--	--	--	--	--	--

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	Charlestown Township	Linda Csete	610-240-0326
#2 Public Involvement/Participation	Charlestown Township	Linda Csete	610-240-0326
#3 Illicit Discharge Detection and Elimination (IDD&E)	Charlestown Township	Daniel Wright	610-840-9167
#4 Construction Site Storm Water Runoff Control	Charlestown Township	Daniel Wright	610-840-9167
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Charlestown Township	Daniel Wright	610-840-9167
#6 Pollution Prevention / Good Housekeeping	Charlestown Township	Jim Thompson	610-656-9315

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: 4/15/2021 Were updates made? ☒ Yes ☐ No

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

Goal – Charlestown Township is an existing permittee. Review the PEOP annually at a minimum, or more frequently as needed to make the program as effective as possible. Expand and update resources for stormwater education across all mediums available. Elements of the program include:

- Environmental Advisory Committee Education Series presents four topics per year, with one session devoted to stormwater management issues.
- Charlestown Community Day presents "The Science Tellers" which provides hands on activity and experiments to children K through 5.
- Post pamphlets promoting stormwater awareness at Brightside Farm Park and the Township Office Lobby.
- Pamphlets are made available as handouts at public meetings.
- A mailer is included with approved permits promoting pollution prevention tips to businesses.
- Newsletter articles are mailed to all residents and businesses 4 times per year that contain stormwater information.

- A separate page is available on the Township Website explaining the MS4 program which includes extensive posts on the subject.
 - An annual Earth Day held each spring includes roadside clean up and stream clean up along with tree planting, trail maintenance and trail improvements such as foot bridges over wetland areas.
 - A Green Business Award is offered for businesses that apply. Business leaders are interviewed in depth by EAC members and the winner is selected based on their rating in several categories including environmental impacts, clean technologies, and system changes that enable sustainable economic development. The Charlestown Playschool won the award for 2020.
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:
- We will continue all the programs listed in item #3.

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: 8/1/2021 Were updates made? ☒ Yes ☐ No

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

1. For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?
- ☐ Yes ☐ No
2. Date of latest annual review of educational materials: 7/13/2021 Were updates made? ☒ Yes ☐ No
3. Do you have a municipal website? ☒ Yes ☐ No (URL: <http://www.charlestown.pa.us/>)

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

Numerous Website links include:

- US EPA Stormwater Program Overview
- DEP Southeast Regional Office
- Chester County Water Resources Authority
- Chester - Ridley - Crum Watersheds Association
- Water Quality Hotlines
- NPDES Permit Program Basics
- EPA Stormwater Program Overview
- DEP Stormwater Management Program
- DEP Contact Information
- Chester County Conservation District

Municipal Separate Storm Sewer System (MS4) Annual Reports

- Annual Report 2020

New, Updated and Continuing Posts for Year 18

- Updated County Household Hazardous Waste Event Schedule for 2020-2021
- Updated Water Quality Hotlines
- The Right Tree in the Right Place
- Tips for Streamside Landowners
- Put Rainwater to Work for You
- Fertilize your Lawn the Easy Way
- Alternatives to Salt for Treating Icy Sidewalks and Driveways
- Alternatives to Pesticides
- Caring for Your Streamside Property
- Keep Yard Waste Away from Streams
- How to Create a Meadow
- Septic System Owners Tips
- Keeping Pool Water from Damaging Streams
- The Value of Fallen Wood to a Healthy Environment
- Caring for Your Wetlands
- Townships Today – Fall 2013 – Reducing Runoff Issue
- A Homeowner's Guide to Stormwater Management
- After the Storm
- Make your Home the Solution to Stormwater Pollution
- Water Efficient Landscaping
- Approval to Build Is Only the Beginning
- BMPs for Auto Maintenance, Repair and Fueling Operations
- DEP Pool Guidelines
- Naturalizing your Yard

- Pet Waste
- Plant Trees: Become Part of the Solution
- Streamside Forests
 - Streamside Forests for Wildlife

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:

Goal – Publish a quarterly newsletter that includes articles with general stormwater educational information, including stormwater education materials, construction industry, and BMP brochures. Create and rotate pamphlets available at various Township locations.

Displaying materials on Bulletin Board including:

Recycling Information and Guidelines

Shredding events

Hazardous Waste Event/Disposal Guidelines

Yard Waste Reminders

Leaf Collection Guidelines

Organic Lawn Care, Gardening, and Composting

Alternatives to pesticides and road salt

Auto care, washing, and repair best practices

Earth Day Activities

Water Quality and streamside management

Forest, Woodland, and Meadow Management

Septic System Care

Stormwater Maintenance

Pools

Pet Waste

5. Identify specific plans for the publication of stormwater materials for the upcoming year:

We will continue all the methods described above in item #4.

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).

Publication of an Annual Report for the Township, Presentation of the annual MS4 report, Environmental Advisory Committee monthly meetings, a new quarterly e-newsletter on environmental matters published by the EAC

Pamphlets are also available at kiosks at Brightside Farm Park and Charlestown Park, and in our office lobby including "Tips to Prevent Water Pollution", published by Chester County, "When it Rains, it Drains", published by the PADEP, "Stormwater Pollution Prevention Plan: A Guide for Construction Sites" published by the US EPA, and "Green Guide to Clean Water" for residents.

The Township distributes a copy of the "Don't Let Storm Water Run Off with Your Time and Money!" to developers along with any building permits issued which involve earth disturbance activities. The Township tracks the number of building permits issued which will facilitate measurement of pamphlet distribution.

The Township includes the "When it Rains, It Drains" brochure in the New Resident packet that is mailed to all new residents of the Township.

A targeted mailing is done each year to restaurants and food service establishments.

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: 4/15/2021

Were updates made? ☒ Yes ☐ No

BMP #2: Advertise to the public and solicit public input on ordinances, SOPs, Pollutant Reduction Plans (PRPs) (if applicable) and TMDL Plans (if applicable), including modifications thereto, prior to adoption or submission to DEP:

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? ☐ Yes ☒ No

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

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

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

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

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

☒ Yes ☐ No If Yes, Date of Meeting or Event: 9/7/21

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.

Charlestown Township encourages interested parties to get involved in the creation, implementation and growth of the stormwater program and associated regulations. Public meetings are held for Ordinance changes, Stormwater Management Plan (SWMP) updates, and for the creation of our PRP.

Charlestown Township will be updating the Stormwater Ordinance in 2022 to be consistent with DEP's 2022 model. Public meetings will be held during the process of drafting and adopting the Ordinance. Public participation is encouraged throughout this process. All public comment will be documented and evaluated.

3. Report activities in which members of the public assisted or participated in the meetings and in the implementation of the SWMP, including education activities or efforts such as cleanups, monitoring, storm drain stenciling, or others.

The following are additional opportunities for public participation:

1. On September 7, 2021 our Engineer provided a comprehensive presentation regarding the Stormwater Management Program during a publicly advertised meeting. The meeting reviewed the Township's obligations under the NPDES permit and reports on the Township's progress, activities, and accomplishments in implementing the Stormwater Management Plan. At the conclusion of the presentation, the Township provided an opportunity for attendees to offer questions and comments. At periodic Board of Supervisors meetings throughout the 2020-2021 report period, the township reports on recently completed stormwater management activities as well as upcoming projects. The Township gave attendees the opportunity to make comments or ask questions relating to the Township's stormwater management activities.

2. The Township maintained its relationship and communications with the CRC Watersheds organization, Audubon Society, Penn State Extension, and French & Pickering Creeks Trust, which all promote environmental interests. Members of the public were invited to attend meetings and activities.

3. In 2020-21, the EAC continued maintenance of the riparian buffer it restored in 2019 at the Brightside Farm, enlisting volunteers from the community.

4. In 2021, the EAC restored a riparian buffer in the open space at the Deerfield community. The Green Valleys Watershed Association and PA Audubon assisted the Township with acquiring 140 trees. Anonymous donors funded the tree tubes and stakes, and later the EAC was able to acquire an additional 86 trees and shrubs through the Chester County Conservation District.

5. The Township promoted certification programs including the Watershed Friendly Property, Pollinator, and Master Gardeners. EAC member Sharon Richardson presented a Pollinator talk on August 18th at the Great Valley Middle School.

6. The EAC followed up with the Charlestown Playschool on their 2020 stormwater project to check ongoing maintenance for the three tiered raingardens, long raingarden, and French drain going to a second raingarden.

7. Over 100 people participated in the Organic Garden program at Brightside Farm Park. This is a community gardening program where the participants not only grow organic vegetables and flowers but exchange information with one another on organic farming techniques.

8. Three Fido Stations were previously installed at Charlestown Park and one at Brightside Farm Park. Approximately 5,000 fido bags were used in this report period.

9. Appreciation of the environment was fostered through sponsored nature walks held in the spring (wildflower trail walk) and a bird walk and butterfly walk in the summer at Brightside Farm.

10. Earth Day activities were sponsored in the spring, with individuals and groups encouraged to participate in small groups or individually due to COVID restrictions. Activities included roadside clean up, tree planting, invasive species removal and trail clearing.

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: 5/10/2015 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): 3/4/2020

3. Total No. of Outfalls in MS4: 46 Total No. of Outfalls Mapped: 46

4. Total No. of Observation Points: 2 Total No. of Observation Points Mapped: 2

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): 3/4/2020

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

For new permittees, all identified outfalls (and if applicable observation points) must be screened during dry weather at least twice within the 5-year period following permit coverage. For existing permittees, all identified outfalls (and if applicable observation points) must be 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: 64%
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: 10/30/2014
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? ☐ Yes ☒ No

If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period? ☐ Yes ☒ No

If Yes to #3, complete the table below (attach additional sheets as necessary).

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

4. Did you approve any waiver or variance during the reporting period that allowed an exception to non-stormwater discharge provisions of an ordinance or SOP? ☐ Yes ☒ No

If Yes to #4, identify the entity that received the waiver or variance and the type of non-stormwater discharge approved.

BMP #6: Provide educational outreach to public employees, business owners and employees, property owners, the general public and elected officials (i.e., target audiences) about the program to detect and eliminate illicit discharges.

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period? ☒ Yes ☐ No

If Yes, what was distributed? Permit applicants and new residents receive stormwater related information. All residents and businesses receive 4 printed newsletters each year that contain stormwater information. The Township Website has a separate page for stormwater management which explains the MS4 program and includes numerous website links, the annual MS4 reports, and 28 posts on stormwater management. Brochures and flyers are available in the township lobby and as handouts at public meetings. Restaurants and food service establishments are sent targeted mailings. The Engineer presented the annual MS4 report at the August Board of Supervisors meeting and public solicitation was requested.

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:

Per the April 15, 2020 review letter, we are in the process of updating our screening program to ensure compliance with MCM#3

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)?

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

☒ 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: 10/30/2014

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100)? ☐ 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: NA

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: NA

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: NA

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:

NA

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: NA

MCM #4 Comments:

Per the April 15, 2020 review letter, we are in the process of creating a tracking system for all Township conducted E&S inspections

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: 10/30/2014

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100)? ☐ 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: 10/30/2014

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100)? ☐ 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.

We are working to ensure all sites on our inventory perform adequate O&M activities in accordance with their O&M Agreement

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

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	0 1 "	0 1 "	SHEETS		
2				0 1 "	0 1 "			
3				0 1 "	0 1 "			
4				0 1 "	0 1 "			
5				0 1 "	0 1 "			
6				0 1 "	0 1 "			
7				0 1 "	0 1 "			
8				0 1 "	0 1 "			
9				0 1 "	0 1 "			
10				0 1 "	0 1 "			
11				0 1 "	0 1 "			
12				0 1 "	0 1 "			
13				0 1 "	0 1 "			
14				0 1 "	0 1 "			
15				0 1 "	0 1 "			
16				0 1 "	0 1 "			

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:

We are in the process of implementing tracking systems for existing BMP's and updating our list to include any sites that had BMP's installed between 2003 and 2005. New projects will be added to our list as they come in.

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? 6/30/2021

3. When was it last updated? 6/30/2021

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: 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: 2021

Date of latest training: NA

3. Training topics covered:

NA, Township has only one part time roadmaster

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

NA, Township has only one part time roadmaster

5. Names of training attendees:

NA, Township has only one part time roadmaster

MCM #6 Comments:

POLLUTANT CONTROL MEASURES (PCMs)

Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable.

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)		<input type="checkbox"/>	10/30/2022
Source Inventory		<input type="checkbox"/>	10/30/2023
Investigation of Suspected Sources		<input type="checkbox"/>	10/30/2024
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	10/30/2024

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 checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	11/1/2018*	10/1/2020	Valley Creek
<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 checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	4,755		
<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: 8/31/2025

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

We are currently coordinating with adjacent Townships to study the feasibility to rent proper street sweeping vehicles.

6. Anticipated activities for next reporting period.

Review street sweeping options and costs

PRP/TMDL Plan Comments:

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

Table 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being used toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed or Implemented	Planning Area?	Ch. 102?	Annual Sediment Load Reduction (lbs/yr)
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

Table 3. List all existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspection	Satisfactory?
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>

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).

Linda M. Csete

Name of Responsible Official

610-240-0326

Telephone No.


Signature

09/22/2021

Date



CHARLESTOWN TOWNSHIP

STORM SEWERSHED PLANS

STORM SEWERSHED - PATHOGENS

ADVANCED geoservices	
Engineering for the Environment, Planning for People	
1000 ADVANCE DRIVE, SUITE A WILMINGTON, DE 19804 TEL: 302.441.1000 FAX: 302.441.1001 WWW.ADVANCEDGEOSERVICES.COM	
Project No.	1000
Project Name	STORM SEWERSHED - PATHOGENS
Client	CHARLESTOWN TOWNSHIP
Scale	1" = 500'
Date	09/21/2021
Drawn By	SS-1PTH
Check By	
Scale	1" = 500'
Date	09/21/2021



CHARLESTOWN TOWNSHIP

STORM SEWERSHED PLANS

STORM SEWERSHED - PATHOGENS

ADVANCED
Geoservices

Engineering for the Environment, Planning for People
1000 Adams Street, Suite 100
Westborough, MA 01581
Tel: 508.861.1100 Fax: 508.861.1101
www.advancedgeoservices.com

Sheet No.	1 of 1
Project No.	20102494
Revision No.	0
Revision Date	09/17/2021
Revision Description	2 OF 3

SS-2PTH



CHARLESTOWN TOWNSHIP

STORM SEWERSHED PLANS

STORM SEWERSHED - PATHOGENS

ADVANCED Geoservices	
Engineering for the Environment, Planning for Progress	
1000 KENNEDY DRIVE, SUITE A WILMINGTON, MA 01897-1000	
Tel: 508.683.1100 Fax: 508.683.1101	
Web: www.advancedgeoservices.com	
Project No. 20102494	
Project Name: STORM SEWERSHED - PATHOGENS	
Issue No. 1	
Issue Date: 09/21/2021	
Scale: 1" = 50'	
Sheet: 3 of 3	
SS-3PTH	



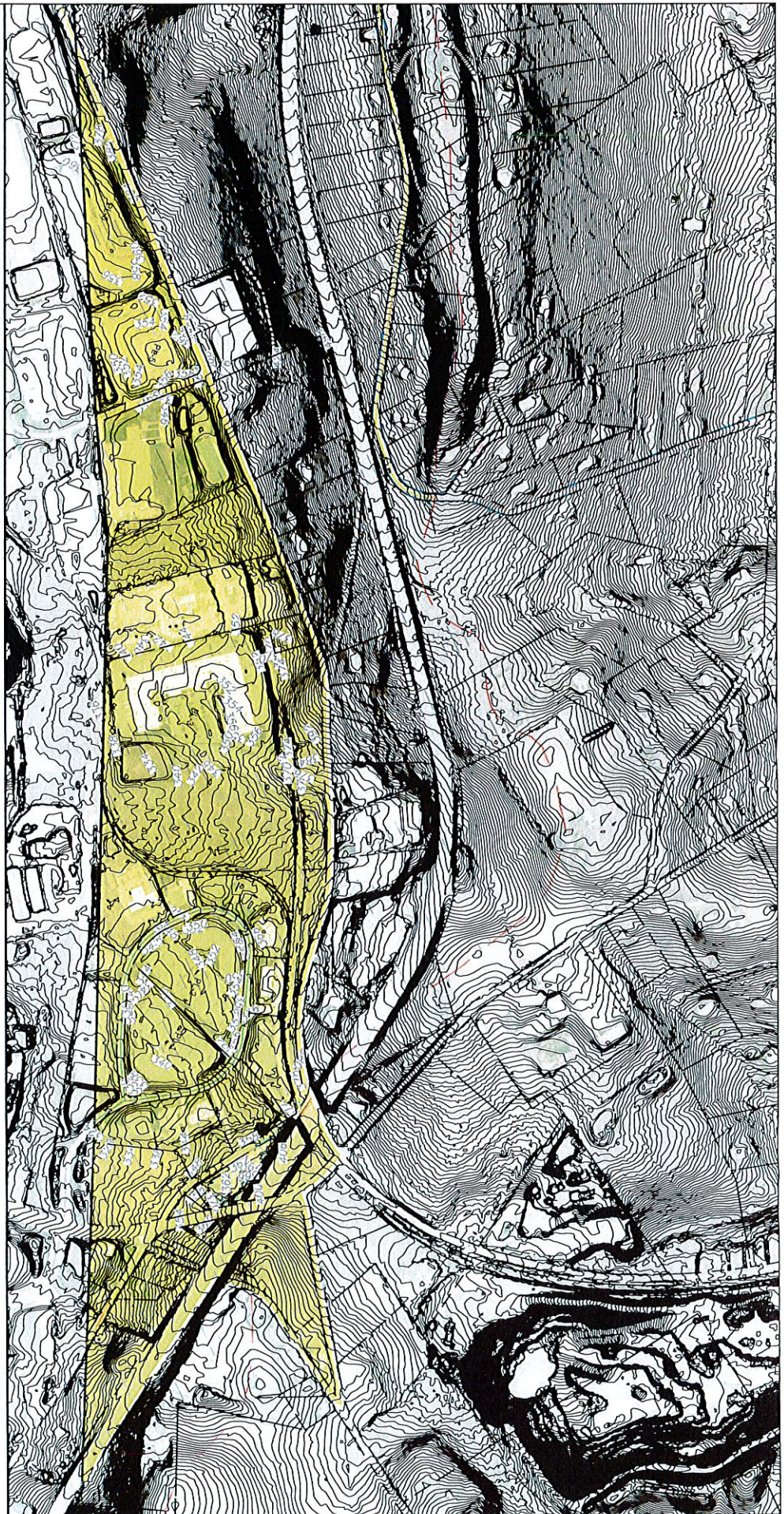
CHARLESTOWN TOWNSHIP

STORM SEWERSHED PLANS

STORM SEWERSHED - PCB

ADVANCED geoservices	
Engineering for the Environment, Planning for People	
1000 ANDERSON AVENUE, SUITE A WILMINGTON, DELAWARE 19801	
The information on this drawing was prepared by the person whose name appears on the title block.	
Scale	1" = 500'
Drawn by	REB
Checked by	REB
Reviewed by	REB
Project No.	20102494
Issue Date	09/10/2021
Sheet No.	1 of 2
Sheet Total	2
Revision	0

SS-1PCB



CHARLESTOWN TOWNSHIP

STORM SEWERSHED PLANS

STORM SEWERSHED - PCB

ADVANCED Geoservices Engineering for the Environment, Planning for Progress 1005 ANDREW DRIVE, SUITE A WILMINGTON, DE 19804 TEL: 302.436.1000 FAX: 302.436.1001 WWW.ADVANCEDGEOSERVICES.COM		Scale: 1" = 500' Date: 09/21/2021 Drawn By: JMM Checked By: JMM Project No: 20102494-CT M54 Sheet No: SS-2PCB Total Sheets: 2 OF 2	
SS-2PCB			