



## ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT FOR THE PERIOD July 1, 2023 TO JUNE 30, 2024

| GENERAL INFORMATION                                                                                                                                                                                                                                      |                                      |                   |                                                  |       |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------|--------------------------------------------------|-------|------|
| Permittee Name:                                                                                                                                                                                                                                          | Middlesex Township Cumberland County | NPDES Permit No.: | PAI133526                                        |       |      |
| Mailing Address:                                                                                                                                                                                                                                         | 350 N Middlesex Road                 | Effective Date:   | August 1, 2023                                   |       |      |
| City, State, Zip:                                                                                                                                                                                                                                        | Carlisle, PA 17013                   | Expiration Date:  | July 31, 2028                                    |       |      |
| MS4 Contact Person:                                                                                                                                                                                                                                      | Elieen Gault                         | Renewal Due Date: | February 2, 2028                                 |       |      |
| Title:                                                                                                                                                                                                                                                   | Township Manager                     | Municipality:     | Middlesex Township                               |       |      |
| Phone:                                                                                                                                                                                                                                                   | 717-249-4409                         | County:           | Cumberland                                       |       |      |
| Email:                                                                                                                                                                                                                                                   | egault@middlesextwp.com              |                   |                                                  |       |      |
| Co-Permittees (if applicable):                                                                                                                                                                                                                           |                                      |                   |                                                  |       |      |
| Appendix(es) 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? |
| Conodoguinet Creek                                                                                                                                                                                                                                       | WWF                                  | No                |                                                  | Yes   | No   |
| Conodoguinet Creek Tributary (Reach 63)                                                                                                                                                                                                                  | CWF                                  | No                |                                                  | Yes   | No   |
| Conodoguinet Creek Tributary (Reach 69)                                                                                                                                                                                                                  | CWF                                  | No                |                                                  | Yes   | No   |
| Conodoguinet Creek Tributary (Reach 44)                                                                                                                                                                                                                  | CWF                                  | No                |                                                  | Yes   | No   |
| Hogestown Run                                                                                                                                                                                                                                            | CWF                                  | Yes               | Siltation; Organic Enrichment/Low D.O. Pathogens | Yes   | No   |
| Hogestown Run Tributary (Reach 99)                                                                                                                                                                                                                       | CWF                                  | Yes               | Siltation; Organic Enrichment/Low D.O. Pathogens | Yes   | No   |
| Letort Spring Run                                                                                                                                                                                                                                        | HQ-CWF                               | No                |                                                  | Yes   | No   |
| Letort Spring Run Tributary (Reach 21)                                                                                                                                                                                                                   | HQ-CWF                               | No                |                                                  | No    | No   |
| Wertz Run                                                                                                                                                                                                                                                | WWF                                  | Yes               | Siltation                                        | Yes   | No   |
| Wertz Run Tributary (Reach 22)                                                                                                                                                                                                                           | WWF                                  | No                |                                                  | Yes   | No   |
| Wertz Run Tributary (Reach 13)                                                                                                                                                                                                                           | WWF                                  | No                |                                                  | Yes   | 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                          | Township Manager        | Eileen Gault      | (717)249-4409 |
| #2 Public Involvement/Participation                                              | Township Manager        | Eileen Gault      | (717)249-4409 |
| #3 Illicit Discharge Detection and Elimination (IDD&E)                           | MS4 Coordinator         | Gerald Steigleman | (717)249-4409 |
| #4 Construction Site Storm Water Runoff Control                                  | Township Zoning Officer | Mark Carpenter    | (717)249-4409 |
| #5 Post-Construction Storm Water Management in New Development and Redevelopment | Township Zoning Officer | Mark Carpenter    | (717)249-4409 |
| #6 Pollution Prevention / Good Housekeeping                                      | Township Road Master    | Zach Zook         | (717)249-4409 |

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

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

- For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?  
☐ Yes ☐ No
- Date of latest annual review of PEOP: **9/2023** Were updates made? ☐ Yes ☒ No
- What were the plans and goals for public education and outreach for the reporting period?

**The plans for this reporting period were to continue the Township's newsletter and to provide one staff lunch-and-learn. Outreach to the community was primarily achieved through**

- Articles and notifications in the Township's newsletter, *Middlesex Connections*. (See Attachment 1a.)
- Via webpage updates ( See attachment 1b.).

- Did the MS4 achieve its goal(s) for the PEOP during the reporting period? ☒ Yes ☐ No
- Identify specific plans and goals for public education and outreach for the upcoming year:

- Continue Newsletter articles
- Add and update Township webpage content
- Provide one MS4 update public presentation at a regularly scheduled Board of Supervisors meeting

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

- For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?  
☐ Yes ☐ No
- Date of latest annual review of target audience lists: **9/2023** Were updates made? ☐ Yes ☒ No

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

- For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?  
☐ Yes ☐ No
- Date of latest annual review of educational materials: **3/2024** Were updates made? ☒ Yes ☐ No
- Do you have a municipal website? ☒ Yes ☐ No (URL: <https://middlesextp.com/ms4/>)

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

- **Previous Annual Reports**
- **Citizen Complaint Reporting Form**
- **Grant award letter**
- **Links to various informational stormwater resources including ACT 16, DEP, EPA, Stormwater PA, Chesapeake Stormwater Network, Homeowner's guide to Stormwater Management, Be Stormwater Smart brochure**
- **Middlesex Township Pollutant Reduction Plan**
- **MS4 PRP Maps**
- **Meetings and Training information**
- **Tips on stormwater management and stormwater pollution prevention**
- **Links to PA DEP'S Submit an Environmental Complaint form**

**Updates were made to website during the reporting period. (See Attachment 1b)**

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:
  - **The Township provided education to the public through Township newsletter articles, stormwater flyer and Board of Supervisors meetings. (See Attachment for MCM #2 that summarizes the Board Of Supervisors Stormwater and MS4 discussions.)**
5. Identify specific plans for the publication of stormwater materials for the upcoming year:
  - **The Township will continue to provide newsletter articles relating to stormwater pollution prevention. (See Attachment 1a).**

**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).

- **The Township will continue to offer stormwater information to the public via**
  - o **the standing MS4-Stormwater agenda item at the Board of Supervisors meetings**
  - o **updates to the webpage, and**
  - o **distribution of the "Be a Pollution Solution: What you can do to clean stormwater" flyer in the Township office and at public events.**

**MCM #1 Comments:**

**Please see the following attachments that document MCM#1 activity for the reporting period:**

- **1a - Middlesex Township Newsletter: A total of 125 articles were distributed throughout the reporting period. The articles have been extracted from the Newsletters and provide in the attachment.**
- **1f-Middlesex Township webpage updates: The webpage has a new appearance and MS4 is featured prominently on a sidebar in the upper left of the homepage. The MS4 page has been updated, too, and last year's MS4 Annual Report was added.**

## 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: **9/2023** 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:

**Not Applicable; no ordinances, SOPs, or PRPs were modified during the report period.**

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:

**There was no special MS4 public presentation event during the reporting period. However, there is a designated time in each Board of Supervisors meeting dedicated to MS4/Stormwater for public comment. (See Attachment 2)**

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.

**No specific coordination with community groups was undertaken this reporting period.**

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

**The public is given opportunity to provide comment, complaints and suggestions relating to stormwater and MS4 as part of the regularly scheduled Board of Supervisors meeting.**

### MCM #2 Comments:

**Please see the following attachment that documents the MCM#2 activity for the reporting period.**

- **2 Board of Supervisors Meetings with MS4-Stormwater Discussion Summary**

### 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: **9/2023** 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): **1/19/2023**

3. Total No. of Outfalls in MS4: **80** Total No. of Outfalls Mapped: **83**

4. Total No. of Observation Points: **5** Total No. of Observation Points Mapped: **32**

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): **1/19/2023**

**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? **85**
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.  
**The outfalls were screened during July and August this reporting period. A sample report is provided in Attachment 3a and summary tables of all the screenings performed are provided in Attachments 3b ( Background and Outfall Descriptions) and 3c ( Dry Weather Flow Evaluation and Analysis)**
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: **Middlesex Township Stormwater Ordinance (Ord. No. 6-2011)**
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.  
**Ordinance was previously submitted.**

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? **Township staff supporting MS4 actively monitored the Township for potential illicit discharges. The staff informed and educated Pilot Flying J truck stop about potential pollutant discharge relating to dumped material on their property which was subsequently cleaned up. See the Board of Supervisors MS4 Stormwater Discussions Attachment 2 July 5, 2023, and October 4, 2023, that documents the proactive intervention emanating from the public outreach.**
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:**

During this reporting period the following items were completed:

**Outfall Screening and Mapping updates:** Planning, preparation and completion of dry-weather screenings of the Townships 85 outfalls was accomplished July-August 2023.

Please see the following attachments that document the MCM#3 activities for the reporting period:

- 3a Middlesex Township MS4 Outfall Field Screening Sample Report
- 3b Middlesex Township MS4 Outfall Field Screening Summary Table – Background and Outfall Descriptions
- 3c Middlesex Township MS4 Outfall Field Screening Summary Table – Dry Weather Flow Evaluation and Analysis

**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: **Middlesex Township Stormwater Ordinance (Ord. No. 6-2011)**

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: **(N/A- Statewide Program)**

**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: **(N/A- Statewide Program)**

**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: (N/A- Statewide Program)

**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:

(N/A- Statewide Program)

**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: (N/A- Statewide Program)

**MCM #4 Comments:**

E&S enforcement relies on Cumberland County Conservation District and coordinate with them. The Memorandum of Understanding was submitted with the Permit application and is still valid. Therefore, no answers were provided for BMP#4 through BMP#8.

The Township issued 173 Building permits this reporting period. Only one of the permits resulted in earth disturbance greater than one acre. The notification for Letort Estates (Attachment 4B) was sent to the Cumberland County Conservation District on 7/14/2023.

The Township Engineer performed inspections during construction of approved land developments and found the sites to be compliant.

Please see the following attachments that document the MCM#4 activities for the reporting period:

- 4a - Middlesex Township Building Permit Report 7-1-2022 to 6-30-2023
- 4b - Cumberland County Conservation District Notifications 7/1/2023 to 6/30/2024
- 4c -Township Engineer's Summary of Construction Stormwater 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: 2011:Middlesex Township Stormwater Ordinance (Ord. No. 6-2011)

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: **2011:Middlesex Township Stormwater Ordinance (Ord. No. 6-2011)**
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.

**A drainage swale that was part of the land development plans at 1245, 1251, and 1255 Harrisburg Pike was obstructed by vegetation, debris and trash to a degree that reduced functionality. The MS4 Coordinator and Township Engineer inspected the post construction stormwater management swale, notified the owner, and monitored clean up to restore function. Alternative approaches where the Township completes the restoration may be used, if necessary. (See Attachment 5b-Middlesex Township Preventative Action Summary Stormwater Functionality.)**

*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. Middlesex Township relies on PA's statewide program.*

**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. (Skipped because Middlesex relies on PA's statewide program)**

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale):
2. Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?  
☐ Yes ☐ No

### PCSM BMP INVENTORY

**Table 1.** To complete the information needed for MCM #5, BMP #3, list all existing structural BMPs that discharge stormwater to the permittee's MS4 that were installed to satisfy PCSM requirements for earth disturbance activities under Chapter 102, and provide the requested information (see instructions).

| BMP No. | BMP Name                   | DA (ac) | Entity Responsible for O&M                                               | Latitude  | Longitude  | Date Installed | O&M Requirements     | NPDES Permit No. |
|---------|----------------------------|---------|--------------------------------------------------------------------------|-----------|------------|----------------|----------------------|------------------|
| 1       | Detention Basin            | 6.9     | 1000 Claremont Road, LLC; c/o Allaire Health Group                       | 40.21299  | -77.161851 | 1995           | research in progress |                  |
| 2       | Detention Basin            | 4.6     | AUM, LLC (Best Western)                                                  | 40.226817 | -77.148311 | 2005           | research in progress |                  |
| 3       | Detention Basin            | 0.4     | Carleez LLC & Spartan South Realty; c/o Sheetz Realty                    | 40.23351  | -77.120505 | 2017           | research in progress | PAI032116002     |
| 4       | Detention Basin            | 2       | Carleez LLC & Spartan South Realty; c/o Sheetz Realty                    | 40.233343 | -77.120654 | 2017           | research in progress | PAI032116002     |
| 5       | Detention Basin            | 1.4     | Carleez LLC & Spartan South Realty; c/o Sheetz Realty                    | 40.232903 | -77.120532 | 2017           | research in progress | PAI032116002     |
| 6       | Detention Basin            | 0.3     | Carleez LLC & Spartan South Realty; c/o Sheetz Realty                    | 40.233243 | -77.119065 | 2017           | research in progress | PAI032116002     |
| 7       | Subsurface Detention Basin | 0.1     | Carlisle Realty Holdings, LP; c/o EG America( Jack Williams Tire & Auto) | 40.221142 | -77.162082 | 2019           | research in progress |                  |
| 8       | Detention Basin            | 0.9     | Carlisle Realty Holdings, LP; c/o EG America( Jack Williams Tire & Auto) | 40.221168 | -77.16234  | Pre-2003       | research in progress |                  |

|    |                 |     |                                                               |           |            |           |                      |              |
|----|-----------------|-----|---------------------------------------------------------------|-----------|------------|-----------|----------------------|--------------|
| 9  | Detention Basin | 2   | Cumberland County (Prison)                                    | 40.215525 | -77.161492 | 2008      | research in progress | PAI032108001 |
| 10 | Detention Basin | 5.8 | Cumberland County (Prison)                                    | 40.214686 | -77.162387 | 2008      | research in progress | PAI032108001 |
| 11 | Detention Basin | 4.1 | Cumberland County (Pub Safety & Aging Bldg.)                  | 40.212257 | -77.158978 | 2010      | research in progress | PAI032108016 |
| 12 | Detention Basin | 0.9 | Cumberland County (Pub Safety & Aging Bldg.)                  | 40.212983 | -77.160896 | 2010      | research in progress | PAI032108016 |
| 13 | Detention Basin | 1.7 | Cumberland County (Pub Safety & Aging Bldg.)                  | 40.213332 | -77.161186 | 2010      | research in progress | PAI032108016 |
| 14 | Detention Basin | 3.8 | David E. Lutz, Trustee (Sheetz 1908 H-burg Pk)                | 40.2222   | -77.162894 | 2018-2019 | research in progress | PAI032116002 |
| 15 | Detention Basin | 14  | DGK Real Estate, LP(Cumberland Range: non-urban)              | 40.260676 | -77.13613  | 2018      | research in progress |              |
| 16 | Detention Basin | 0.3 | Edward A & Yvette Piccolo (Cumberland Range: non-urban)       | 40.258531 | -77.141595 | 2014      | research in progress |              |
| 17 | Detention Basin | 0.5 | Edward D & Kathleen E Fitting (Raudabaugh Estates: non-urban) | 40.240492 | -77.14119  | 2011-2012 | research in progress |              |
| 18 | Detention Basin | 2.3 | Evandale Christ Family (Holiday Inn Express)                  | 40.227099 | -77.152505 | 2008      | research in progress | PAI032111008 |

|    |                    |      |                                                                         |           |            |           |                      |              |
|----|--------------------|------|-------------------------------------------------------------------------|-----------|------------|-----------|----------------------|--------------|
| 19 | Detention Basin    | 3    | Evandale Christ Family (Rutter's Farm Store)                            | 40.226656 | -77.153447 | 2008      | research in progress | PAI032108002 |
| 20 | Detention Basin    | 6.8  | Evandale Christ Family (Rutter's Farm Store)                            | 40.226353 | -77.153627 | 2008      | research in progress | PAI032108002 |
| 21 | Detention Basin    | 0.5  | Gardy D Kimmel, Jr (Raudabaugh Estates: non-urban)                      | 40.240699 | -77.142061 | 2011-2012 | research in progress |              |
| 22 | Detention Basin    | 1.3  | Giant Co., LLC                                                          | 40.225886 | -77.150853 | Pre-2003  | research in progress |              |
| 23 | Detention Basin    | 1.9  | Giant Co., LLC (U-Gro)                                                  | 40.226552 | -77.151368 | Pre-2003  | research in progress |              |
| 24 | Detention Basin    | 26.9 | Giant Co., LLC                                                          | 40.223475 | -77.152942 | Pre-2003  | research in progress |              |
| 25 | Detention Basin    | 7.8  | Giant Co., LLC                                                          | 40.223798 | -77.151408 | Pre-2003  | research in progress |              |
| 26 | Detention Basin    | 62.3 | Icon Owner Pool 4 Northeast/Midwest (Crossroads Business Center: Apple) | 40.227227 | -77.132343 | pre-2003  | research in progress |              |
| 27 | Infiltration Basin | 47.5 | Icon Owner Pool 4 Northeast/Midwest (Roadway Dr near Amazon)            | 40.229511 | -77.111822 | 1994      | research in progress |              |
| 28 | Detention Basin    | 4.6  | Jakub Janicki (Cumberland Range: non-urban)                             | 40.25851  | -77.141292 | 2014      | research in progress |              |
| 29 | Detention Basin    | 4    | John A and Lisa Conway (Appalachian Estates)                            | 40.199359 | -77.121655 | 2008      | research in progress |              |

|    |                            |      |                                                                |           |            |          |                      |              |
|----|----------------------------|------|----------------------------------------------------------------|-----------|------------|----------|----------------------|--------------|
| 30 | Detention Basin            | 1.1  | Keystone Arms Phase LLC; c/o Boyd Wilson LLC                   | 40.21635  | -77.169427 | 2007     | research in progress | PAD210054    |
| 31 | Detention Basin            | 24.1 | Keystone Arms Phase Two LP; c/o Boyd Wilson LLC                | 40.218405 | -77.162303 | 2007     | research in progress | PAD210054    |
| 32 | Detention Basin            | 3.5  | Keystone Arms Phase Two LP; c/o Boyd Wilson LLC                | 40.21514  | -77.166992 | 2007     | research in progress | PAD210054    |
| 33 | Detention Basin            | 0.9  | Keystone Arms Phase Two LP; c/o Boyd Wilson LLC                | 40.215561 | -77.166384 | 2007     | research in progress | PAD210054    |
| 34 | Detention Basin            | 1.8  | Liberty Property, LP; c/o/ Prologis, LP (XPO Logistics)        | 40.23427  | -77.120341 | 2018     | research in progress | PAI032116004 |
| 35 | Detention Basin            | 2.9  | Liberty Property, LP; c/o/ Prologis, LP (XPO Logistics)        | 40.238658 | -77.116504 | 2018     | research in progress | PAI032116004 |
| 36 | Detention Basin            | 47.1 | Liberty Property, LP; c/o/ Prologis, LP (XPO Logistics)        | 40.237459 | -77.120749 | 2018     | research in progress | PAI032116004 |
| 37 | Detention Basin            | 4.2  | Longia Westgate Development, LLC (Cumberland Range: non-urban) | 40.261145 | -77.134177 | 2018     | research in progress |              |
| 38 | Detention Basin            | 3.6  | Mountaineer Properties, LLC                                    | 40.230274 | -77.111098 | Pre-2003 | research in progress |              |
| 39 | Subsurface Detention Basin | 8.8  | Multiple Land owners (Keystone Arms)                           | 40.216613 | -77.166929 | 2007     | research in progress | PAD210054    |
| 40 | Subsurface Detention Basin | 11.7 | Multiple Land owners (Keystone Arms)                           | 40.217514 | -77.167205 | 2007     | research in progress | PAD210054    |

|    |                            |       |                                      |           |            |           |                      |              |
|----|----------------------------|-------|--------------------------------------|-----------|------------|-----------|----------------------|--------------|
| 41 | Detention Basin            | 10    | North Point Carlisle Industrial, LLC | 40.232115 | -77.122793 | 2019-2020 | research in progress | PAD210027    |
| 42 | Detention Basin            | 15.4  | North Point Carlisle Industrial, LLC | 40.232969 | -77.121608 | 2019-2020 | research in progress | PAD210027    |
| 43 | Detention Basin            | 8.1   | North Point Carlisle Industrial, LLC | 40.230335 | -77.1177   | 2019-2020 | research in progress | PAD210027    |
| 44 | Infiltration Basin         | 207.3 | Old Dominion Freight Line, Inc.      | 40.241859 | -77.110487 | 1992-1993 | research in progress |              |
| 45 | Detention Basin            | 66.5  | Pennsylvania Turnpike Commission     | 40.228592 | -77.148422 | 2008      | research in progress | PAI032115006 |
| 46 | Detention Basin            | 0.6   | Pennsylvania Turnpike Commission     | 40.229161 | -77.151819 | 2017      | research in progress |              |
| 47 | Detention Basin            | 17.5  | Pennsylvania Turnpike Commission     | 40.226593 | -77.165106 | 2016      | research in progress |              |
| 48 | Detention Basin            | 0.6   | PFJ Southeast, LLC (Flying J)        | 40.237292 | -77.123354 | 1994-1995 | research in progress |              |
| 49 | Subsurface Detention Basin | 5.7   | PFJ Southeast, LLC (Flying J)        | 40.235624 | -77.122628 | 1994-1995 | research in progress |              |
| 50 | Subsurface Detention Basin | 3.9   | PFJ Southeast, LLC (Flying J)        | 40.236697 | -77.122979 | 1994-1995 | research in progress |              |
| 51 | Subsurface Detention Basin | 1.8   | PFJ Southeast, LLC (Flying J)        | 40.236423 | -77.123963 | 1994-1995 | research in progress |              |
| 52 | Detention Basin            | 0.7   | PFJ Southeast, LLC (Flying J)        | 40.236394 | -77.124489 | 1994-1995 | research in progress |              |
| 53 | Subsurface Detention Basin | 2.5   | PFJ Southeast, LLC (Flying J)        | 40.23726  | -77.122872 | 1994-1995 | research in progress |              |
| 54 | Detention Basin            | 2.3   | PFJ Southeast, LLC (Flying J)        | 40.235217 | -77.124235 | 1994-1995 | research in progress |              |

|    |                               |     |                                                                           |           |            |           |                      |              |
|----|-------------------------------|-----|---------------------------------------------------------------------------|-----------|------------|-----------|----------------------|--------------|
| 55 | Detention Basin               | 2.7 | PFJ Southeast, LLC<br>(Flying J)                                          | 40.234863 | -77.124354 | 1994-1995 | research in progress |              |
| 56 | Detention Basin               | 9.9 | Placeston Properties,<br>LLC (Roadway Dr.)                                | 40.231454 | -77.110958 | 1999-2000 | research in progress |              |
| 57 | Detention Basin               | 113 | Roadway Express,<br>Inc. ; c/o NKA YRC,<br>Inc.                           | 40.229082 | -77.13061  | 1994-1995 | research in progress |              |
| 58 | Subsurface Detention<br>Basin | 0.5 | Robert L & Rena F<br>Brunner (Dollar<br>General)                          | 40.255333 | -77.172611 | 2016      | research in progress |              |
| 59 | Subsurface Detention<br>Basin | 0.7 | Robert L & Rena F<br>Brunner (Dollar<br>General)                          | 40.255722 | -77.172214 | 2016      | research in progress |              |
| 60 | Detention Basin               | 4.9 | Ronald Simons, Et.<br>Al.(Harmony Hall<br>Court)                          | 40.220373 | -77.159869 | Pre-2003  | research in progress |              |
| 61 | Detention Basin               | 0.9 | Rudolph M &<br>Stephanie M Janiczek<br>(Raudabaugh<br>Estates: non-urban) | 40.239962 | -77.142385 | 2011-2012 | research in progress |              |
| 62 | Detention Basin               | 8.6 | SAIA Motor Freight<br>Line, LLC                                           | 40.230338 | -77.130711 | 1994-1995 | research in progress |              |
| 63 | Detention Basin               | 2.8 | Shady Lane Hotel<br>Assoc., LP<br>(Comfort Inn)                           | 40.225861 | -77.147947 | 2015      | research in progress | PAI032113003 |
| 64 | Detention Basin               | 1.2 | Stephen D and Lisa M<br>Bourne (Appalachian<br>Estates: non-urban)        | 40.196903 | -77.121574 | 2008      | research in progress |              |
| 65 | Subsurface Detention<br>Basin | 0.3 | Store Master Funding<br>II, LLC (Hardees)                                 | 40.199432 | -77.155504 | 2017      | research in progress | PAI032115005 |

|    |                            |      |                                                        |            |             |          |                      |              |
|----|----------------------------|------|--------------------------------------------------------|------------|-------------|----------|----------------------|--------------|
| 66 | Subsurface Detention Basin | 0.7  | Store Master Funding II, LLC (Hardees)                 | 40.199303  | -77.155076  | 2017     | research in progress | PAI032115005 |
| 67 | Subsurface Detention Basin | 0.3  | Store Master Funding II, LLC (Hardees)                 | 40.199574  | -77.154965  | 2017     | research in progress | PAI032115005 |
| 68 | Detention Basin            | 5.2  | Toigo Organic Farms, LLC                               | 40.224817  | -77.124311  | 2016     | research in progress | PAD210050    |
| 69 | Detention Basin            | 4.7  | Toigo Organic Farms, LLC                               | 40.224455  | -77.125207  | 2016     | research in progress | PAD210050    |
| 70 | Detention Basin            | 4.6  | Toigo Organic Farms, LLC                               | 40.22409   | -77.126323  | 2016     | research in progress | PAD210050    |
| 71 | Detention Basin            | 6.4  | Toigo Organic Farms, LLC                               | 40.222983  | -77.125732  | 2016     | research in progress | PAD210050    |
| 72 | Detention Basin            | 1.8  | Toigo Organic Farms, LLC                               | 40.222901  | -77.126042  | 2016     | research in progress | PAD210050    |
| 73 | Detention Basin            | 30.6 | Toigo Organic Farms, LLC                               | 40.224482  | -77.127693  | 2016     | research in progress | PAD210050    |
| 74 | Detention Basin            | 1.3  | Toigo Organic Farms, LLC                               | 40.223596  | -77.125627  | 2016     | research in progress | PAD210050    |
| 75 | Detention Basin            | 43.7 | Toigo Organic Farms, LLC                               | 40.222237  | -77.124516  | 2016     | research in progress | PAD210050    |
| 76 | Detention Basin            | 0.8  | USRP Funding 2001-ALP; c/o Operating, LP (Burger King) | 40.234113  | -77.140757  | Pre-1995 | research in progress |              |
| 77 | Detention Basin            | 21   | YRC, Inc. (Roadway Dr.)                                | 40.231808  | -77.115226  | 1999     | research in progress |              |
| 78 | Detention Basin            | 2.9  | Carlisle Steel Supply                                  | 40.223492° | -77.130008° | 2022     | research in progress | PAD210072    |
| 79 | Subsurface Detention Basin | 0.2  | Carlisle Steel Supply                                  | 40.223703° | -77.135522° | 2020     | research in progress | PAD210049    |

|    |                 |      |                                |            |             |      |                      |           |
|----|-----------------|------|--------------------------------|------------|-------------|------|----------------------|-----------|
| 80 | Detention Basin |      | Cumberland Preserve            | 40.240450° | -77.122481° | 2022 | research in progress | PAD210070 |
| 81 | Detention Basin | 1.4  | PA Sicklerville LP Restaurants | 40.233089° | -77.139783° | 2022 | research in progress | PAD210048 |
| 82 | Detention Basin | 3.25 | Letort Estates                 | 40.216165° | -77.158681° | 2022 | research in progress | PAD210012 |
| 83 |                 |      |                                |            |             |      |                      |           |
| 84 |                 |      |                                |            |             |      |                      |           |
| 85 |                 |      |                                |            |             |      |                      |           |
| 86 |                 |      |                                |            |             |      |                      |           |
| 87 |                 |      |                                |            |             |      |                      |           |
| 88 |                 |      |                                |            |             |      |                      |           |
| 89 |                 |      |                                |            |             |      |                      |           |
| 90 |                 |      |                                |            |             |      |                      |           |
| 91 |                 |      |                                |            |             |      |                      |           |
| 92 |                 |      |                                |            |             |      |                      |           |
| 93 |                 |      |                                |            |             |      |                      |           |
| 94 |                 |      |                                |            |             |      |                      |           |
| 95 |                 |      |                                |            |             |      |                      |           |
| 96 |                 |      |                                |            |             |      |                      |           |
| 97 |                 |      |                                |            |             |      |                      |           |
| 98 |                 |      |                                |            |             |      |                      |           |

**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). (Skipped because Middlesex relies on PA's statewide program)**

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:**

New and redevelopment projects are subject to the Stormwater Management Ordinance via cross reference from the Subdivision and Land Development Ordinance. The Stormwater Ordinance establishes guidelines and standards. Compliance inspections are performed by the Township Engineer. Stormwater basins inspected by the Township Engineer were functional during this reporting period. The Engineer's summary is attached to this report.

Please see the following attachment that documents the MCM#5 activity for the reporting period.

- 5a-Township Engineer's Report on PCSM Functionality

**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? **9/2023**
3. When was it last updated? **Update was not required**

**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: **9/2023 (reviewed; no update required)**

**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: **9/2023** Date of latest training: **5/23/2023**

3. Training topics covered:

**Pesticide Training**

**Middlesex Township MS4 Permit Staff Training: Topics included – Dry weather Inspection instruction (in-the-field) and MS4 Pollution Reduction Plan BMPs**

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

**Pesticide trainings were provided at a convention, online webinar (Nutsedge Biology), and calibration training was provided by a staff member at Paul B. Hardware.**

**MS4 Permit Training: Field training for dry weather inspections – Jared Mummert (Skelly and Loy); MS4 Pollution Reduction Plan BMPs – Carrol Ehrhart (Skelly and Loy)**

5. Names of training attendees:

**Pesticides**

**Chad Davis  
Zach Zook**

**MS4 Pollution Reduction BMPs:**

**Eileen Gault  
Zachary Zook  
Gerald Steigleman**

**MS4 Permit Training: Field training for dry weather inspections**

**Chad Davis  
Zach Zook**

**MCM #6 Comments:**

Training this reporting period included annual Pesticide Training that educates the staff on handling, applying and storing pesticides and herbicides properly so the products do not pollute. Pesticide training and attendance is capture in Attachment 6a.

Staff MS4 training was informal. The MS4 Pollution Reduction BMPs topic was covered at a meeting between Township staff, a DEP Growing Greener Grant watershed coordinator and Carrol Ehrhart, the Township's MS4 consultant from Skelly and Loy.

Jared Mummert, consultant from Skelly and Loy provided in-the-field demonstrations to Township staff on how to evaluate outfalls and collect data for dry weather outfall screenings.

Middlesex Public Works staff continued to perform the routine maintenance for the Township. Activities that solely correspond to MS4 activities are listed in Attachment 6b - Work Log for MS4 Report 2023-2024 and are designated "MS4". However, the majority of listed work items are performed with special attention for stormwater pollution prevention whether it be proper techniques and calibration for herbicide and deicer application, vegetation control, construction site sweeping and good housekeeping, vehicle maintenance, road line painting, or storm cleanup.

Anderson Park is the only municipally-owned real estate other than road rights-of-way within the MS-4 regulated area. The Township Staff has continued to follow the SOP for MS4 site Maintenance for the property and log compliance with trash removal, pet waste management and vegetation control.

Please see the following attachments that document the MCM#6 activity for the reporting period.

- 6a - MS4 Training Log 2023-2024
- 6b - Highway Work Log for 2023-2024
- 6c - Anderson Park Maintenance Log 2023-2024 6d-Highway Work Log for 2022-2023

### POLLUTANT CONTROL MEASURES (PCMs)

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

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

**PCM Comments:**

### POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

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

| Type of Plan                                                                      | Submission Date | DEP Approval Date | Surface Waters Addressed by Plan             |
|-----------------------------------------------------------------------------------|-----------------|-------------------|----------------------------------------------|
| <input type="checkbox"/> Chesapeake Bay PRP (Appendix D)                          |                 |                   | Chesapeake Bay                               |
| <input type="checkbox"/> Impaired Waters PRP (Appendix E)                         |                 |                   |                                              |
| <input type="checkbox"/> TMDL Plan (Appendix F)                                   |                 |                   |                                              |
| <input checked="" type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP | 9/14/2017       | 7/23/2018         | Chesapeake Bay, Wertz Run, and Hogestown Run |
| <input type="checkbox"/> Combined PRP / TMDL Plan                                 |                 |                   |                                              |

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

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).

| Type of Plan                                                                      | TSS Load Reduction (lbs/yr) | TP Load Reduction (lbs/yr) | TN Load Reduction (lbs/yr) |
|-----------------------------------------------------------------------------------|-----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> Chesapeake Bay PRP (Appendix D)                          |                             |                            |                            |
| <input type="checkbox"/> Impaired Waters PRP (Appendix E)                         |                             |                            |                            |
| <input type="checkbox"/> TMDL Plan (Appendix F)                                   |                             |                            |                            |
| <input checked="" type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP | 124,415                     | 58                         | 574                        |
| <input type="checkbox"/> Combined PRP / TMDL Plan                                 |                             |                            |                            |

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: **September 30, 2024**

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 original stream restoration project that was planned to be a segment of Letort Spring Run was swapped for a significantly degraded headwater stream contributing to Wertz Run, a stream that is impaired by sediment. The swap and planned design approach were approved by DEP's Central Office in May 2018.**

5. Summary of progress achieved during reporting period.

**Project 4: Pipes and Vegetated Open Channels at Wolf's Bridge Road north and south of West Middlesex Road were constructed, completing the project.**

**Project 6: The raingarden at Anderson Park was completed.**

**Of the 9 planned projects, all projects except the stream restoration, Project 8, are completed. The final design for Project 8 received approval of its Joint Permit. Grant requests were made to the Cumberland County Clean Water Grant Program and to DEP's Growing Greener Grant Program to fund construction of the stream restoration project.**

6. Anticipated activities for next reporting period.

**Construction of stream restoration Project 8 will be undertaken subject to the successful award of grant money.**

**PRP/TMDL Plan Comments:**

**Middlesex Township continued to make progress on construction of the PRP projects as reported above. The final report for PRP BMP construction is due with this report. The form and attachments are listed below.**

- **7a Pollutant Reduction Plan (PRP) / TMDL Plan Final Report Form: Middlesex Township Cumberland County Permit No.: PAI33526**
- **7b Middlesex Township MS4 BMP Project Location Map**
- **7c Middlesex Township Pollutant Reduction Plan Photo Log**
- **7d Middlesex Township Pollutant Reduction Project Design Plans for Projects 1, 2, 3, 5, and 9**
- **7e Middlesex Township Pollutant Reduction Project Design Plans for Projects 4 and 6**
- **7f Middlesex Township Pollutant Reduction Project 7**
- **7g Middlesex Township Pollutant Reduction Project 8**
- **7h Model My Watershed Results**
- **7i – Middlesex PRP Projects One-page Description**

### 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) |
|---------|----------------------------------------------------------|---------|--------|------------|-------|------------|-------------|-------------------------------|-------------------------------------|--------------------------|-----------------------------------------|
| 4       | Vegetated Open Channels (C/D Soils)                      | 6.8     | 20     | 2113       | LF    | 40.249651° | -77.164398° | 2024                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2,725                                   |
| 7       | Bioretention / Raingarden (A/B soils without underdrain) | 0.35    | 12     | 546        | SF    | 40.226093° | -77.160536° | 2024                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 37                                      |

### 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?                       |
|---------|-------------------------------------|---------|--------|------------|-------|------------|-------------|----------------|-----------------------------------------|---------------------------|-------------------------------------|
| 1       | Vegetated Open Channel (A/B Soils)  | 1.37    | 10     | 332        | LF    | 40.263727° | -77.170760° | 2022           | 549                                     | 6/2024                    | <input checked="" type="checkbox"/> |
| 2       | Vegetated Open Channel (A/B Soils)  | 7.5     | 6      | 1056       | LF    | 40.263698° | -77.170369° | 2022           | 3,005                                   | 6/2024                    | <input checked="" type="checkbox"/> |
| 3       | Vegetated Open Channels (C/D Soils) | 6.5     | 24     | 2113       | LF    | 40.257840° | -77.166591° | 2022           | 2,605                                   | 6/2024                    | <input checked="" type="checkbox"/> |
| 5       | Vegetated Open Channels (C/D Soils) | 1.71    | 31     | 1402       | LF    | 40.235000° | -77.164444° | 2021           | 685                                     | 6/2024                    | <input checked="" type="checkbox"/> |
| 6       | Vegetated Open Channels (C/D Soils) | 24.82   | 49     | 1222       | LF    | 40.230393° | -77.164592° | 2021           | 23,300                                  | 6/2024                    | <input checked="" type="checkbox"/> |
| 9       | Vegetated Open Channels (C/D Soils) | 2.46    | 7      | 683        | LF    | 40.220547° | -77.103021° | 2021           | 194                                     | 6/2024                    | <input checked="" 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).

**Eileen Gault,  
Township Manager, Secretary, Treasurer**



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

\_\_\_\_\_  
Signature

\_\_\_\_\_  
(717) 249-4409

\_\_\_\_\_  
09/30/2024

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

\_\_\_\_\_  
Date