



**Stantec Consulting Services Inc.**  
1060 Andrew Drive Suite 140, West Chester PA 19380-5602

September 30, 2021  
File: 176710035

**Attention: Krista Brown**  
**Compliance Specialist, Clean Water**  
Pennsylvania Department of Environmental Protection  
2 East Main Street  
Norristown, PA 19401

Dear Ms. Brown,

**Reference: MS4 Progress Report**  
**NPDES MS4 Permit Number PA130120**  
**Collingdale Borough, Delaware County, PA**

Enclosed please find the annual report for Year 3 for the MS4 Renewal Permit. Also enclosed are the following documents:

- The Eastern Delaware County Stormwater Collaborative (EDCSC) Annual Report information.

Please contact this office with any questions you may have regarding the Borough's compliance with their MS4 Permit.

Sincerely,

**Stantec Consulting Services Inc.**

**Michael Kozlowski** PE, ENV SP  
Associate

Phone: 610 840 2511  
Fax: 610 840 2501  
Michael.Kozlowski@stantec.com

Attachment

c. John Hewlings / Kathleen Munro / Sam Auslander, Esq. / Jamie Anderson, EDCSC / Beth Mahoney, PADEP  
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## ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

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

GENERAL INFORMATION					
Permittee Name:	Collingdale Borough	NPDES Permit No.:	PA130120		
Mailing Address:	800 MacDade Blvd.	Effective Date:	3/16/2018		
City, State, Zip:	Collingdale, PA 19012	Expiration Date:	3/15/2023		
MS4 Contact Person:	John Hewlings	Renewal Due Date:	9/16/2022		
Title:	Borough Manager	Municipality:	Collingdale Borough		
Phone:	610-586-0500	County:	Delaware		
Email:	johnhewlings@yahoo.com				
Co-Permittees (if applicable):					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input type="checkbox"/> Appendix B <input 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?
Hermesprota Creek	WWF	Yes	Water / Flow Variability, PCB's, Pathogens, Siltation	No	No
Darby Creek	TSF	Yes	Water / Flow Variability, PCB's Pathogens, Siltation	No	No
Delaware River	WWF	Yes	PCB	Yes	No



least 3 public meetings during the permit year. The Borough has a goal of educating at least 2 employees about pollution prevention in conjunction with MCM #6. The EDCSC goal will be to have at least 8 public stormwater education meetings.

**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: 9/15/2021                      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: 9/15/2021                      Were updates made?  Yes  No
3. Do you have a municipal website?  Yes  No (URL:  
http://collingdaleborough.com)

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

The website's homepage contains a link to the Borough's; 3rd Permit: Year 1 - MS4 NPDES Report, an updated EDCSC PRP, and the Stormwater Management page. On the Stormwater Management page, educational outreach information with regards to stormwater management, auto care, plants, landscaping and lawn care, rain gardens, and pets is provided. At the top of the page is a link to updated EPA's various educational articles as well as the Darby Creek Valley Association, Chester Ridley Crum (CRC) Watershed Association and PA DEP.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public: Information / flyers are regularly discussed and provided at Borough Meetings with regards to upcoming events and stormwater education information (See attached meeting minutes and highlighted sections).

The EDCSC maintains an active social media presence on Facebook (22 posts) and Instagram (1 post) posting information including educational videos, brochures, upcoming workshops, and progress photos and information of the projects being implemented for the PRP.

5. Identify specific plans for the publication of stormwater materials for the upcoming year:  
The Borough will continue working with EDCSC in implementing the PEOP plan including publishing stormwater educational materials and promoting the EDCSC social media presence. The Borough calendar for 2022 will be developed with additional stormwater information. The website will continue to be updated and MS4 materials will also be updated and implemented to distribute information to the public.

**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 Borough distributes an annual calendar to all residents and features advertisements for MS4 related tasks/guidelines. Some of the advertisements include street sweeping, yard waste, trash regulations, pet care, and car care as well as others. A copy of the 2021 calendar with highlighted MS4 information is attached.

The Borough and Borough Engineer had public presentations and discussions regarding the MS4 program at their public meetings where educational material was presented and distributed. See attached Borough meeting minutes and the Engineer's reports documenting these discussions.

The EDCSC maintains an active social media presence on Facebook (22 posts) and Instagram (1 post) posting information including educational videos, brochures, upcoming workshops, and progress photos and information of the projects being implemented for the PRP.

**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: 9/15/2021 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:      June 9, 2020- EDCSC

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.

The Borough continues being an active member of the EDCSC, which held various workshops and outreach events. As noted in MCM#1, the EDCSC conducts monthly stormwater educational meetings that are advertised in local newspapers. The public attends the meetings and participates in discussions gaining valuable knowledge regarding the MS4 program. The meetings have been conducted via 'Zoom' since April, 2020 due to the COVID-19 pandemic. The Borough promotes the annual DCVA Watershed Wide Cleanup to help maintain healthy watershed protection. The DCVA held their annual Darby Creek Cleanup on April 10, 2021.

MS4 literature and the DCVA Annual Creek clean-up advertisement with MS4 information are placed at Borough Hall for the public.

The EDCSC guided, educated and worked with Municipal representatives including Public Works crews. This collaborative relationship resulted in the installation of a Rain Garden at Harris Elementary School. The Elementary School students assisted with the construction of this Rain Garden and gained valuable knowledge regarding stormwater as a result of their volunteer work.

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.

Collingdale participates in the annual DCVA Watershed Wide Cleanup. As noted above, events were held in the spring of 2021.

**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: 6/15/2021      Were updates made?  Yes  No

**BMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if applicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls and observation points shall be numbered on the map(s).**

1. Have you completed a map(s) that includes all components of BMP #2?  Yes  No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.



**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): September 22, 2021

**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. 100.0%

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

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

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

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

Yes  No

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

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

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

If Yes, indicate the date of the ordinance or SOP: 3/07/2005

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? In 2020 and 2021, the Borough Engineer routinely met with Borough Manager and Public Works Employees and described MCM #3 objectives including; providing copies of Borough NPDES map and assisting with providing updates to the map. Public Works Employees routinely inspect and clean the storms sewer inlets. Copies of the NPDES map and MS4 report are provided at the Borough and the website to educate the public. During Borough Council meetings, the Engineer informed the public and elected officials about the program (see attached meeting minutes).

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:**

For BMP#6, there were no stormwater pollution incidents reported to the Borough

**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: 3/07/2005

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: 0

**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: 0

**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: 0

**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:

All permit plans are reviewed to ensure proper measures are proposed to control waste and ensure proper water quality measures. Routine inspections are conducted on all active job sites. An email or letter of deficiency is provided to contractors/owners regarding any deficiencies noted during inspections or repairs required.

**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: 0

**MCM #4 Comments:**

The Borough is relying on the PA Statewide program associated with construction activities for BMP #4 through 8 for projects over 1 acre. No new projects were submitted to the Borough during the program year for less than 1 acre and there are no active projects.

**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: 3/07/2005
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:
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.  
  
During Borough's annual inspection in 2021 for BMP003 (Wawa), accumulated trash and debris was observed within the inlet protection bags leading to subsurface basin. A deficiency letter was sent (See attached letter).

*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): 0
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	Subsurface Basin	<1 ac	MJ Cannon	39°54'41"	75°16'17"	12/02/2010	Property Owner is responsible for O&M. Inspect Basin Inlets and Piping monthly and after rain events. Remove accumulated debris. Annual inspection of all components and damaged items repaired or replaced. Borough has the rights to inspect and require maintenance.	
2	Subsurface Basin	<1 ac	JMC Contractors	39°54'59"	75°16'12"	06/05/2014	Property Owner is responsible for O&M. Inspect Basin Inlets and Piping monthly and after rain events. Remove accumulated debris. Annual inspection of all components and damaged items repaired or replaced. Borough has the rights to inspect and require maintenance.	
3	Subsurface Basin		Wawa	39°54'37"	75°16'40"	1-23-2019	Property Owner is responsible for O&M. Inspect Basin Inlets and Piping monthly and after rain events. Remove	

							accumulated debris. Annual inspection of all components and damaged items repaired or replaced. Borough has the rights to inspect and require maintenance.	
4				o 1 "	o 1 "			
5				o 1 "	o 1 "			
6				o 1 "	o 1 "			
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14				o 1 "	o 1 "			
15				o 1 "	o 1 "			
16				o 1 "	o 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:**

The Borough is relying on the PA Statewide program for BMP #4, 5, and 6 for projects greater than 1 acre. The Borough Engineer tracks the items for BMP #4 and #5 when projects are received which would require tracking of BMP plans and inspection. The Borough's Stormwater Management ordinance describes the procedures for BMP #6.

**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? 9/21/2021
3. When was it last updated? 9/21/2020

**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: 9/21/2020

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

1. Have you developed an employee training program?  Yes  No
2. Date of last review or update to training program: June 2021                      Date of latest training: October 2020

3. Training topics covered:

Pollution Prevention and Good Housekeeping practices for municipal facility operations and green stormwater infrastructure operations and maintenance. See EDCSC report.

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

Jamie Anderson, EDCSC

5. Names of training attendees:

George Boothby, John Moors

**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)	7/10/2017	<input checked="" type="checkbox"/>	
Source Inventory	6/26/2020	<input checked="" type="checkbox"/>	
Investigation of Suspected Sources		<input type="checkbox"/>	2023
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	

**PCM Comments:**

1. The Borough Engineer completed the draft PCM Source Inventory on 6/26/2020 and forwarded to the EDCSC for review. The EDCSC utilized the information in their 'EDCSC POLLUTANT REDUCTION PLAN - Pollutant Control Measures for Waters Impaired by Priority Organic Compounds' attached to this report.

2. Collingdale Borough has the following Waters Identified for Appendix C - PCB: Hermesprota Creek, Delaware River, and Darby Creek.

**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)	9/14/2017		Hermesprota Creek, Darby 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			
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<input checked="" type="checkbox"/> Joint Plan <i>(if checked, list the name of the MS4 group or names of all entities participating in the joint plan below)</i> Joint Plan Participants: Eastern Delaware County Stormwater Collaborative (EDCSC)			
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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)	34,000.42		
<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: 2023

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

Appendix C - PCB Source Inventory: The Borough Engineer in conjunction with the EDCSC developed an inventory of all suspected sources of PCBs located in Collingdale Borough, where the stormwater drainage areas lead to the Delaware River. In Collingdale Borough the suspected and potential business and locations were identified based on their company applications and known/potential contaminant categories. Sources of information included Pennsylvania's Act 2 website, historic knowledge of industries and businesses, and sewer billing information. The Borough has a completed ACT 2 site, a municipal building, and has no current Act 2 sites in progress. The potential business included auto shops, industrial business, pole mounted transformers, and commercial utility services and companies, based on their suspected oils, old electrical devices or appliances containing PCB capacitors, and plasticizers, among other items. The source inventory prepared by the Borough Engineer was then sent to the EDCSC for review and comment. The EDCSC then created the 'EDCSC POLLUTANT REDUCTION PLAN - Pollutant Control Measures for Waters Impaired by Priority Organic Compounds' which was attached to the Year 2 report. The Borough has continued to reach out to potential sources such as the CSX rail properties to identify if they would be a suspected source or can be removed from the source inventory. These discussions are ongoing and to be completed to meet the 2023 deadline.

Appendix E - TSS Reductions: The Borough actively participated in EDCSC monthly meetings and worked on the funding for the BMP proposed to meet the TSS reductions.

As noted in MCM #2, the EDCSC guided, educated and worked with Municipal representatives including Public Works crews. This collaborative relationship resulted in the installation of a Rain Garden at Harris Elementary School.

6. Anticipated activities for next reporting period.

The Borough will continue to actively participate in the EDCSC and educate the target audience to further advance the PRP plan and goals. The Borough Engineer will consult with the EDCSC and DEP regarding the next steps for Appendix C-PCB sources and investigation based on the sources inventory report. The Borough, Borough Engineer and EDCSC will also continue to explore and seek public input for additional projects for the PRP to address the TSS Load Reduction.

**PRP/TMDL Plan Comments:**

Note: Collingdale Borough has the following waters identified in Appendix E - Siltation: Hermesprota Creek and Darby Creek. This is identified for the 2018 through 2023 Permit Term. A Joint PRP has been submitted through the Eastern Delaware County Stormwater Collaborative. Please refer to their reports for status of BMP planning, inventory and reductions.

**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)
1	Harris Elementary School					39°55'01"	75°16'38"	2020	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	

**BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION**

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

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

						o ' "	o ' "				<input type="checkbox"/>
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### CERTIFICATION

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

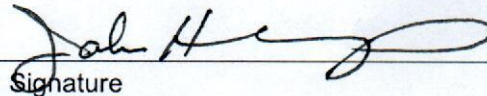
**For All Permittees:** I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage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

John Hewlings, Collingdale Borough Manager

Name of Responsible Official

(610) 586-0500

Telephone No.



Signature

9/29/2021

Date

**EDCSC Outreach Activities**

<b>Timeframe</b>	<b>Activity</b>	<b>Description</b>	<b>MCM</b>
10/5/2020	Stormwater and Rain Barrel Workshop	Via zoom with in person socially distanced distribution - answered additional questions during this distribution - 50 rain barrels were distributed to EDCSC residents. Workshop participants learned about the basics of how stormwater is generated, how it created water quality and flooding issues, and simple GSI that they can install at their homes to reduce the stormwater leaving their properties.	MCM 1
10/6/2020	Good Housekeeping Workshop	A zoom webinar for public works hosted by the Center for Watershed Protection. Covered basics of stormwater, covered all aspects of good housekeeping on municipal properties and covered the basics of GSI.	MCM 6
Fall of 2020	Tree Giveaway to residential properties	34 Trees were provided to residents in an effort to increase canopy cover in the EDCSC service area. Benefits of trees including benefits for water quality were explained to each property owner.	MCM 1
1/1/2021	Educational Tax Insert	Educational tax inserts were sent out with all tax bills. Extra inserts were also available in municipal buildings and placed on websites. This reached every property owner within each municipality	MCM 1
2/11/2021	Rain Garden Workshop	Zoom - 95 in attendance- Participants learned about basics of stormwater, hydrology, and small scale GSI that can be used to reduce volume of water leaving their property and how to reduce nonpoint source pollution.	MCM 1
3/6/2021	Rain Garden Workshop	Via Zoom - 88 attendees - Participants learned about basics of stormwater, hydrology, and small scale GSI that can be used to reduce volume of water leaving their property and how to reduce nonpoint source pollution.	MCM 1
4/12/2021 and 4/13/2021	Stormwater and Rain Barrel Workshop	Via zoom with in person socially distanced distribution - answered additional questions during this distribution - 50 rain barrels were distributed to EDCSC residents. Workshop participants learned about the basics of how stormwater is generated, how it created water quality and flooding issues, and simple GSI that they can install at their homes to reduce the stormwater leaving their properties.	MCM 1

**EDCSC Outreach Activities**

<b>Timeframe</b>	<b>Activity</b>	<b>Description</b>	<b>MCM</b>
5/10/2021 and 5/11/2021	Stormwater and Rain Barrel Workshop	Via zoom with in person socially distanced distribution - answered additional questions during this distribution - 50 rain barrels were distributed to EDCSC residents. Workshop participants learned about the basics of how stormwater is generated, how it created water quality and flooding issues, and simple GSI that they can install at their homes to reduce the stormwater leaving their properties.	MCM 1
6/16/2021 and 6/17/2021	Stormwater and Rain Barrel Workshop	Via zoom with in person socially distanced distribution - answered additional questions during this distribution - 50 rain barrels were distributed to EDCSC residents. Workshop participants learned about the basics of how stormwater is generated, how it created water quality and flooding issues, and simple GSI that they can install at their homes to reduce the stormwater leaving their properties.	MCM 1
Continuous	ENVIRO DIY Logger - real time stream data promoted to public	Logger in Naylor's Run that offers real time data regarding discharge, conductivity, temperature and turbidity	MCM 1
Continuous	Social Media - Facebook	22 of facebook posts on the EDCSC page regarding stormwater education that engaged 2,503 people and reached 18,633 people	MCM 1, 2
Continuous	Social Media - Instagram	1instagram posts on the EDCSC page regarding stormwater education	MCM 1, 2
Continuous	EDCSC Webpage	Updated and maintained stormwater education on the EDCSC webpage	MCM 1
Continuous	Streamsmart Stormwater Housecalls	The Stormwater House Call is a free program created to assist homeowners in assessing their properties for ways to better manage stormwater through Best Management Practices. These can be as simple as reducing pesticide use to installing rain barrels, rain gardens and riparian buffers. 39 Housecalls were completed between June of 2020 and June of 2021 with each resident receiving a detailed report on changes that they could make to improve nonpoint source pollution. Residents received trees, native plugs to redirect gutters from lawns, flow through planters, rain barrels and rain gardens.	MCM 1

**EDCSC Outreach Activities**

Timeframe	Activity	Description	MCM
Continuous	Hav A Rain Garden	Assessed private properties for potential rain gardens, provided inforamtion to all properties about stormwater managements, build 10 rain gardens with volunteer labor. Volunteers are educated on stormwater. Volunteers engaged are estimated at 50. All rain gardens have a sign placed in them for community education. A google map of all gardens was created and a short garden tour was planned for July of 2021.	MCM 1, 2
Continuous	Upper Darby Rain Garden	A new rain garden program was created in Upper Darby Township similar to Hav A Rain garden. 4 properties were assessed for rain garden and 6 rain garden were built between September of 2020 and June of 2021. All gardens have educational signage explaining their purpose. Gardens were planted and/or built by volutneers. Estimated volunteers engaged and then educated on the purpose and function of rain gardens is 30.	MCM 1, 2