

September 30, 2024

NPDES Annual MS4 Status Report Reviewer

Bureau of Clean Water Pennsylvania Department of Environmental Protection 2 East Main Street Norristown, PA 19401 Submitted via DEP's Public Upload Website

RE: Plymouth Township 2024 Annual MS4 Status Report NPDES Permit No. PAG130008 Plymouth Township, Montgomery County, PA

Dear Reviewer,

On behalf of Plymouth Township, the Center for Watershed Protection is pleased to provide the enclosed Annual MS4 Status Report and associated documentation for the NPDES MS4 General Permit (PAG130008) covering the period from July 1, 2023 to June 30, 2024. The report documents the Township's compliance with the permit and continuing efforts to improve their Stormwater Management Program.

Thank you in advance for your time. Please do not hesitate to contact me at beu@cwp.org or 484-680-0806 with any questions.

Best Regards, Center for Watershed Protection

Keth Uhler

Beth Uhler Pennsylvania Director

cc: Karen Weiss, Plymouth Township Manager Christopher Loschiavo, Plymouth Township Public Works Director Tim Woodrow, P.E., Woodrow & Associates, Inc.



MUNICIPAL SEPERATE STORM SEWER SYSTEM ANNUAL MS4 STATUS REPORT 2024

PLYMOUTH TOWNSHIP,

Montgomery County 700 Belvoir Road, Plymouth Meeting, PA 19462



Center for Watershed Protection, Inc. 11711 East Market Place, Suite 200, Fulton, MD 20759 www.cwp.org

MUNICIPAL SEPERATE STORM SEWER SYSTEM ANNUAL MS4 STATUS REPORT



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PLYMOUTH TOWNSHIP Montgomery County 700 Belvoir Road, Plymouth Meeting, PA 19462



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ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2023 TO JUNE 30, 2024

GENERAL INFORMATION							
Permittee Name: Plymouth	Township		NPD	ES Permit No.:	PAG130	008	
Mailing Address: 700 Belv	oir Rd		Effe	ctive Date:	7/1/2013	3	
City, State, Zip: Plymouth	Meeting, PA, 1946	62	Expi	ration Date:	6/30/201	8	
MS4 Contact Person: Christopl	ner Loschiavo		Rene	ewal Due Date:	Administ	tratively Exte	ended
Title: Public W	orks Director		Municipality: Plymouth Township				
Phone: (610) 233	3-0566		Cou	nty:	Montgomery County		,
Email: closchiav	o@plymouthtowns	hip.org					
Co-Permittees (if applicable):							
Appendix(ces) that permittee is subj	ect to (select all that	apply):					
Appendix A 🗌 Ap	pendix B 🗌 Appe	ndix C 🗌	Арре	endix D 🔲 Apper	ndix E 🗌	Appendix F	-
	WATER QU	JALITY II	NFOF	RMATION			
Are there any discharges to waters within the Chesapeake Bay Watershed?							
Identify all surface waters that receiv (see instructions).	ve stormwater discha	arges from	the p	ermittee's MS4 and	d provide t	he requeste	d information
Receiving Water Name	Ch. 93 Class.	Impaire	d?	Cause(s)		TMDL?	WLA?
Diamond Run	WWF/MF	Yes		Siltation		No	N/A
Plymouth Creek	WWF/MF	Yes		Siltation		No	N/A
Saw Mill Run	WWF/MF	Yes		Siltation		No	N/A

GENERAL MINIMUM CONTROL	_ MEASURE (MCM) INFC	RMATION		
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	I of your SWMP, along with co	ontact name and pho	ne number.	
МСМ	Entity Responsible	Contact Name	Phone	
#1 Public Education and Outreach on Storm Water Impacts	Plymouth Township	Christopher Loschiavo	(610) 233- 0566	
#2 Public Involvement/Participation	Plymouth Township	Christopher Loschiavo	(610) 233- 0566	
#3 Illicit Discharge Detection and Elimination (IDD&E)	Plymouth Township	Christopher Loschiavo	(610) 233- 0566	
#4 Construction Site Storm Water Runoff Control	Plymouth Township	Christopher Loschiavo	(610) 233- 0566	
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Plymouth Township	Christopher Loschiavo	(610) 233- 0566	
#6 Pollution Prevention / Good Housekeeping	Plymouth Township	Christoper Loschiavo	(610) 233- 0566	
MCM #1 – PUBLIC EDUCATION AND C	OUTREACH ON STORM	WATER IMPACTS	5	
BMP #1: Develop, implement and maintain a written Publi	c Education and Outreach F	Program.		
1. For new permittees only, has the written PEOP been dev	eloped and implemented withi	n the first year of per	mit coverage?	
🗌 Yes 🗌 No				
2. Date of latest annual review of PEOP: June 2024	Were updates made?	' 🗌 Yes 🖾 No		
3. What were the plans and goals for public education and outreach for the reporting period?				
Township to routinely update its website and local government access channel.				
4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period?				
5. Identify specific plans and goals for public education and	outreach for the upcoming yea	ar:		
-Publish at least one (1) stormwater article in the Towr -Provide at least one (1) stormwater article on the Tow -Complete a detailed review and update of the stormw -Have at least two (2) resources (brochures/pamphlets public distribution.	nship Facebook page. ater webpage on the Townsl		oal Building for	
BMP #2: Develop and maintain lists of target audience gr	oups present within the area	as served by your M	S4.	
1. For new permittees only, have the target audience lists coverage?	been developed and implem	ented within the first	year of permit	
🗌 Yes 🗌 No				
2. Date of latest annual review of target audience lists: June	2024 Were update	s made? 🗌 Yes	🖾 No	
BMP #3: Annually publish at least one educational item o	n your Stormwater Manager	nent Program.		

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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: June 2024 Were updates made?
3.	Do you have a municipal website? X Yes No (URL: www.plymouthtownship.org/services/stormwater-management/)

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

-Overview of the goals of stormwater management

-Common sources of stormwater pollution

-Suspected illicit discharge reporting contact numbers

-Stormwater management information for Construction Professionals

-Links to resources related to stormwater management, education, and pollution prevention

-Links to resources for Landscaping and Reducing Runoff Pollution

- 4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public: Refer to BMP #4 for additional methods used and used and Appendix A for supporting documentation.
- 5. Identify specific plans for the publication of stormwater materials for the upcoming year:

-Publish at least one (1) stormwater article in the Township Newsletter

-Provide at least one (1) stormwater article on the Township Facebook page

-Provide at least two (2) printed brochures/pamphlets available in the lobby of the Township Municipal Building for public distribution.

-Have at least two (2) resources (brochures/pamphlets) available in the lobby of the Township Municipal Building for public distribution.

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).

-On July 17, 2023 the Township Environmental Advisory Board (EAB) shared a document titled, "Single-Use Plastics Study" to the Township Facebook page.

-The 2023 Fall Newsletter contained information and instructions on Yard Waste and Leaf Collection (pages 21-22), articles titled, "Storm Water Regulations" and "Where Does Your Sump Pump Flow?" (page 28), and a notice to never dump into storm drains because they connect to Saw Mill Creek (page 28).

-The 2024 Spring Newsletter contained information on the Township's EAB, the single-use plastics ban ordinance, and volunteer oppurtunities through Colonial Canopy Tree (CCT) organization (page 7-8). The newsletter also contained articles titled, "Storm Water Regulations" and "Where Does Your Sump Pump Flow?" (page 21).

MCM #1 Comments:

The Township is in the process of updating links to the stormwater management resources shared on the Stormwater Management webpage.

-Refer to Appendix A for MCM #1 supporting documentation.

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 F	PIPP: June	2024

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 therete	o, prior to adoption or submission to DEP:

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period?
Yes X 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:
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.
-2023 Fall Newsletter annoucement for Tree Planting/Ecological Restoration volunteer oppurtunities through Colonial Canopy Trees (CCT), a local non-profit organization. Refer to Appendix A.
-On December 21, 2023 the Township posted a call for volunteers to join the Environmental Advisory Board (EAB) on their Township Facebook page.
-On April 19, 2024 the Township shared an Energy-Savings Tree Give-Away event, which was hosted by PECO and the Arbor Day Foundation to the Township Facebook page. Township residents were invited to reserve trees from the events selection.
-On April 26, 2024 the Township posted about a Drug Take Back event to the Township Facebook. The event took place on April 27. The event was also posted on the Township calendar, accessible through the Township website. A link was provided on the Facebook post.
-On May 2, 2024 the Township posted a notice for the Town Hall Meeting that discussed the plastic bag ban on the Township Facebook page. The Township also posted a notice about the Town Hall Meeting on the Township calendar, accessible through the Township website. The Town Hall Meeting took place on May 29, 2024.
-On June 10, 2024 the Township EAB posted to the Township Facebook page that the First Consideration of the Single- Use Plastic Reduction Ordinance would take place on June 10, 2024 at 7 pm, at the Township public meeting.
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.
Plymouth Township regularly partners with Colonial Canopy Trees (CCT) to plant native trees and riparian buffers, remove invasive species, and provide education. The Township website, Tree Planting webpage (www.plymouthtownship.org/government/citizen-boards/tree-planting/) discusses the partnership with CCT and provides a link for residents to access upcoming events. CCT hosting the following events during the reporting period:
-On April 10, 2024 CCT hosted a Native Tree Planting event at JFK Park to plant native shade trees along the park edge. Volunteers assisted in the planting of native shade trees.
-On May 11, 2024 CCT hosted a Riparian Restoration event at Stonehouse Church. Volunteers and CCT members planted 17 trees and shrubs along the streambank of Sawmill Run.
-On May 13, 2024 CCT hosted a tree and shrub planting event at Harriet Wetherill Park. 7 trees and 2 shrubs were planted by CCT members and volunteers along the creek.
-On June 6, 2024 CCT hosted a Riparian Restoration planting event at Bicentennial Park. CCT members and volunteers planted native trees and shrubs and removed invasive species.
-On June 12, 2024 CCT hosted a garden maintenance event for the Pollinator Garden at Black Horse Park. Volunteers helped with garden maintenance tasks.
MCM #2 Comments:
Refer to Appendices A and B for MCM #2 supporting documentation.

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: June 2024 Were updates made? Ves 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				
ļ	If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.				
ļ	If No, date by which permittee expects map(s) to be completed:				
2.	Date of last update or revision to map(s): 3/18/2022				
3.	Total No. of Outfalls in MS4: 65 Total No. of Outfalls Mapped: 77				
4.	Total No. of Observation Points: 12 Total No. of Observation Points Mapped: 65				
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				

per juri cha the	IP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the mittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's isdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, annels, and any other components of the storm sewer collection system), including privately-owned components of a collection system where conveyances or BMPs on private property receive stormwater flows from upstream oblicly-owned components.
1.	Have you completed a map(s) that includes all components of BMP #3? 🖂 Yes 🔲 No
	If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.
	If No, date by which permittee expects map(s) to be completed:
2.	If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? 🛛 Yes 🗌 No
3.	Date of last update or revision to map(s): 3/18/2022
dis any sus as	IP #4: Conduct dry weather screenings of MS4 outfalls to evaluate the presence of illicit discharges. If any illicit charges are present, the permittee shall identify the source(s) and take appropriate actions to remove or correct / illicit discharges. The permittee shall also respond to reports received from the public or other agencies of spected or confirmed illicit discharges associated with the storm sewer system, as well as take enforcement action necessary. The permittee shall immediately report to DEP illicit discharges that would endanger users downstream m the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property.
twic obs are	r new permittees, all identified outfalls (and if applicable observation points) must be screened during dry weather at least ce within the 5-year period following permit coverage. For existing permittees, all identified outfalls (and if applicable servation points) must be screen during dry weather at least once within the 5-year period following permit coverage and, for as where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls st 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. 0%
3.	Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: %
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?
	If No, attach a copy of your screening report form.
	P #5: Enact a Stormwater Management Ordinance or SOP to implement and enforce a stormwater management ogram 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?
	If Yes, indicate the date of the ordinance or SOP: 3/9/2015
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 X No
	If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3.	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).						
Vi	olation Date	Nature of Violation	Responsible Party	Enforcement Taken			
4.		ove any waiver or variance during the reporting an ordinance or SOP?	g period that allowed ar	n exception to non-stormwater discharge			
	If Yes to #4, ic	dentify the entity that received the waiver or va	ariance and the type of	non-stormwater discharge approved.			
		e educational outreach to public employee ad elected officials (i.e., target audiences) a					
1.	Was IDD&E-r period? 🛛 Y	elated information distributed to public emplo	oyees, businesses, and	the general public during the reporting			
		was distributed? The Township Fall 2023 nd reporting. Refer to Appendix A for suppo					
2.	2. Is there a well-publicized method for employees, businesses and the public to report stormwater pollution incidents?						
	X Yes 🗌 No						
3.	3. Do you maintain documentation of all responses, action taken, and the time required to take action? 🗌 Yes 🛛 No						
MCM #3 Comments:							
The Township has a goal of updating the written IDD&E Program (including dry weather outfall field screening) and identifying priority areas (and outfalls that drain them) in the next permit term. The Township is currently in the process of coverting mapping into a consolidated GIS geodatabase format. Once the GIS update is complete, the priority areas and associated outfalls will be identified and dry weather outfall screening conducted. The Township plans to screen a minimum of 20 percent of outfalls during the next reporting period, using a Survey123 form that will be consistent with DEP's Dry Weather Outfall Field Screening Form.							
	The Township ordinance will be reviewed and updated for consistency with the DEP 2022 Model Stormwater Management Ordinance as required by the 2018 NPDES MS4 permit, once issued.						
MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL							
Are	Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?						
\boxtimes	⊠ Yes □ No						
	Yes, respond t ction)	o questions for BMP Nos. 1, 2 and 3 only ir	n this section. If No, re	espond to questions for all BMPs in this			
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.							

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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 Do Not Applicable (no building permit applications received)

Γ

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: 3/9/2015
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☐ Yes ☐ No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.
BMP #4: Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.
Specify the number of E&S Plans you reviewed during the reporting period:
BMP #5: Conduct inspections regarding installation and maintenance of E&S control measures during earth disturbance activities. Maintain records of site inspections, including dates and inspection results, in accordance with the record retention requirements in this permit.
Specify the number of E&S inspections you completed during the reporting period:
BMP #6: Conduct enforcement when installation and maintenance of E&S control measures during earth disturbance activities does not comply with permit and/or regulatory requirements.
Specify the number of enforcement actions you took during the reporting period for improper E&S:
BMP #7: Develop and implement requirements for construction site operators to control waste at construction sites that may cause adverse impacts to water quality. The permittee shall provide education on these requirements to construction site operators.
Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:
BMP #8: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public to the permittee regarding local construction activities.
1. A tracking system has been established for receipt of public inquiries and complaints.
2. Specify the number of inquiries and complaints received during the reporting period:
MCM #4 Comments:

The Township relies on PA's statewide program for stormwater management associated with construction activities to satisfy this MCM. The Township also completes erosion and sediment control inspections and enforcement. Active construction projects are monitored daily, others are inspected on a bi-weekly basis.

The Township Stormwater Ordinance will be reviewed and updated for consistency with the DEP 2022 Model Stormwater Management Ordinance as required by the 2018 NPDES MS4 Permit once issued

conditions.

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.
 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? X Yes X
If Yes, indicate the date of the ordinance or SOP: 3/9/2015
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes X 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.
 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 X No
If Yes, indicate the date of the ordinance or SOP:
 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.
 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 X 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.
The Township is in the process of completing a detailed review and update of the PCSM BMP Inventory and will work towards submitting an updated working version with the next Annual MS4 Status Report. The Township has assembled a list of sites with NPDES Permits for Stormwater Discharges Associated with Construction Activities authorized after March 10, 2003 in coordination with Montgomery County Conservation District. This list has been reviewed and the status of the development documented. These plans will be pulled, scanned to pdf, and the BMPs at each site populated into the inventory and GIS to reconcile the original inventory. After the inventory update is complete, a Stormwater BMP Inspection and Compliance Program will be developed.
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

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):

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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 <u>existing structural BMPs</u> 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				0 , "	0 3 33			
2				0 ' "	0 3 33			
3				0 3 33	0 3 33			
4				0 , "	o , ,,			
5				• * **	o , ,,			
6				o , "	o , ,,			
7				0	0 3 33			
8				• * **	0 3 33			
9				• * **	0 3 33			
10				• • • •	0 , "			
11				• • • •	0 , "			
12				• • • •	0 , "			
13				• • • •	0 , "			
14				• • "	0 , "			
15				• * **	0 3 33			
16				• * **	O 3 33			

ins ins sha	IP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall pect all qualifying development or redevelopment projects during the construction phase to ensure proper tallation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) all be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, 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
BM MC	IP #6: Develop a written procedure that describes how the permittee shall address all required components of this M.
in j	ve you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) plementation of an inspection program to ensure that BMPs are properly installed? Yes No
МС	M #5 Comments:
	e Township relies on the PA statewide program, but also conducts PCSM reviews for compliance with the Township linances.
upo	e Township is in the process of reviewing and finalizing the PCSM BMP Inventory and will work on submitting an dated working version with the next Annual MS4 Status Report. After the inventory update is complete, a Stormwater IP Inspection and Compliance Program will be developed.
	e Township Stormwater Ordinance will be reviewed and updated for consistency with the DEP 2022 Model ormwater Management Ordinance as required by the 2018 NPDES MS4 permit, once issued.
	MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING
ger	IP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for nerating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the mittee.
1.	Have you identified all facilities and activities owned and operated by the permitee that have the potential to generate stormwater runoff into the MS4? 🛛 Yes 🗌 No
2.	When was the inventory last reviewed? June 2024
3.	When was it last updated?
dis	IP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the charge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection 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: Reviewed: June 2024
of	IP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal preventing or reducing the discharge of pollutants from operations to the regulated small MS4. All relevant ployees and contractors shall receive training.

-	800-FM-BCW0491 9/2017 nnual MS4 Status Report					
1.	Have you developed an employee training program	? 🛛 Yes 🗌	No			
2.	Date of last review or update to training program:	Reviewed: 2024	June	Date of latest training:	2/22/2024	

3. Training topics covered:

-Overview of MS4 Program -General MS4 MCM#3 IDDE information -Common Illicit Discharges -Mapping, Field Screening, and Reporting Procedures

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

Beth Uhler, Center for Watershed Protection Julie, Schneider, Center for Watershed Protection

5. Names of training attendees:

Christopher Loschiavo

MCM #6 Comments:

Other trainings attended by Plymouth Township included:

Perkiomen Stormwater Symposium (3/8/2024)- Lower Providence Township employee, Christpher Loschiavo, attended this training event hosted by the Perkiomen Watershed Conservancy (PWC). In addition Township engineer, Tim Woodrow, PE, from Woodrow Associates, Inc., also attended. Presenters included speakers from PA DEP, Montgomery County Planning Commission, Montgomery County Conservation District, PWC, and CWP. Topics covered included an overview of the NPDES MS4 Program, IDDE, the Perkiomen Flood Study, municipal collaboration on stormwater projects, erosion and sediment control, and emerging contaminants.

Montgomery County Public Works Association Meeting (6/27/2024)- Lower Providence Township employees, Christopher Loschiavo, attended this meeting which included a training on IDDE presented by Beth Uhler, CWP. The training included an overview of the NPDES MS4 Program, requirements of MCM #3, how to identify and track an illicit discharge, and dry weather outfall field screening procedures.

Refer to Appendix C for MCM #6 supporting documentation.

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)			
Source Inventory			
Investigation of Suspected Sources			
Ordinance/SOP for Controlling Animal Wastes			

PCM Comments:

The 2018 NPDES MS4 Permit has not yet been issued for Plymouth Township.

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).

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

Type of Plan		Submission Date	DEP Approva Date	al	Surface Water	s Addressed by Plan
	Chesapeake Bay PRP (Appendix D)				Ches	apeake Bay
	Impaired Waters PRP (Appendix E)					
	TMDL Plan (Appendix F)					
	Combined Chesapeake Bay / Impaired Waters PRP				Chesape	ake Bay,
	Combined PRP / TMDL Plan	March 2022	Pending	3	Plymouth Creek, D	Diamond Run, & Saw Mill Run
	Joint Plan (if checked, list the name of the	e MS4 group or	names of a	ll en	tities participating in th	e joint plan below)
	Joint Plan Participants:					
2.	Identify the pollutants of concern and pol	lutant load reduc	ction require	men	ts under the permit (se	ee instructions).
	Type of Plan	TSS Load Re (Ibs/y		Т	P Load Reduction (Ibs/yr)	TN Load Reduction (lbs/yr)
	Chesapeake Bay PRP (Appendix D)					
	Impaired Waters PRP (Appendix E)					
	TMDL Plan (Appendix F)					
	Combined Chesapeake Bay / Impaired Waters PRP					
\square	Combined PRP / TMDL Plan	448,053.52 lbs/yr				
3. 4.	Date Final Report Demonstrating Achieve Have any modifications to the plan(s) occ			_	ons Due:] Yes] No	
	If Yes to #4, was the updated plan(s) sub	mitted to DEP?	🗌 Yes		No	
	If Yes to #4, did you comply with the pub	lic participation r	equirements	s of t	the applicable appendi	x? 🗌 Yes 🗌 No
	If Yes to #4, describe the plan modification		·			
5.	Summary of progress achieved during re The PRP and associated reports have	porting period. been submittec	I to DEP for	r rev	iew and comment. Th	ne 2018 NPDES MS4
6.	Permit and PRP approval has not yet b Anticipated activities for next reporting per					

The Township anticipates receiving PRP/TMDL Plan approval and Individual Permit issuance in the next reporting period and will being implementation.

PRP/TMDL Plan Comments:

The Township anticipates receiving PRP/TMDL Plan approval and Individual Permit issuance in the next reporting period and will being implementation.

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

Table 2. List all <u>new structural BMPs</u> installed and <u>ongoing non-structural BMPs</u> implemented <u>during the reporting period</u> 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 (Ibs/yr)
						0 1 11	0 3 33				
						O 3 33	O 3 33				
						0 1 11	0 3 33				
						• * **	o , "				
						0 ' "	0 3 33				

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

Table 3. List all <u>existing structural BMPs</u> that have been installed in <u>prior reporting periods</u> 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 (Ibs/yr)	Date of Latest Inspect -ion	Satis- factory?
						O 3 33	O 1 11				
						o , "	0 1 11				
						o , "	0 1 11				
						o ' "	0 1 11				
						o ' "	0 3 33				
						O 3 33	O 3 33				

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).

CHRISTOPHER LOSCHIAVO

Name of Responsible Official

610-233-0566

Telephone No.

Signature 9/23/2024

MUNICIPAL SEPERATE STORM SEWER SYSTEM ANNUAL MS4 STATUS REPORT

APPENDIX A MCM#1 PUBLIC EDUCATION AND OUTREACH PROGRAM

- Public Education and Outreach Documentation
- Township Newsletters
- Single-Use Plastics Study- Published June 2023

PLYMOUTH TOWNSHIP Montgomery County 700 Belvoir Road, Plymouth Meeting, PA 19462

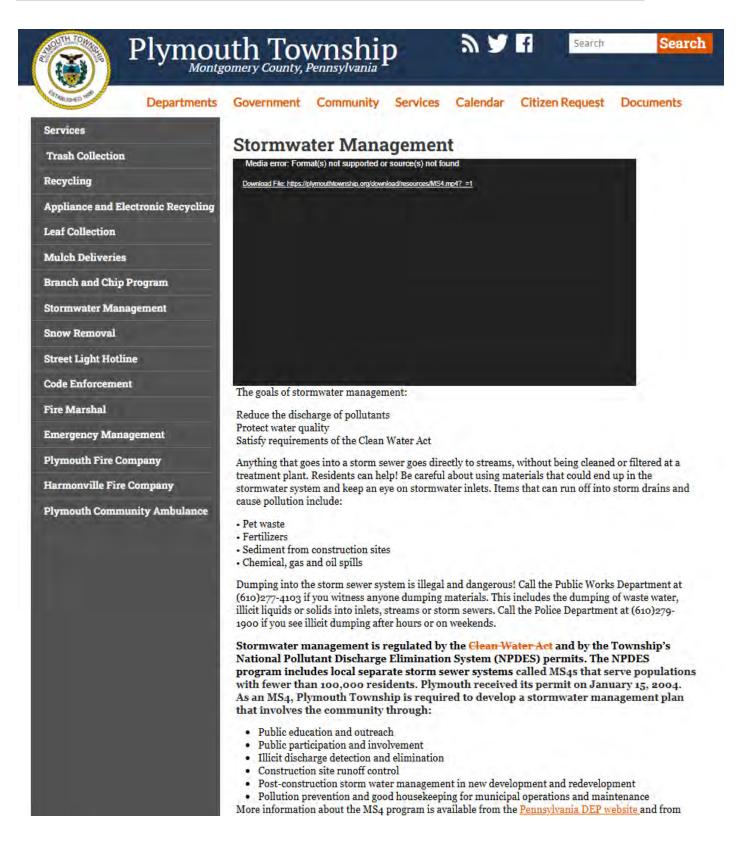
WATERSHED PROTECTION Center for Watershed Protection, Inc. 11711 East Market Place, Suite 200, Fulton, MD 20759 www.cwp.org

PUBLIC EDUCATION AND OUTREACH DOCUMENTATION

July 17, 2023- The Township Environmental Advisory Board (EAB) shared a document titled, "Single-Use Plastics Study" to the Township Facebook page. See "Single-Use Plastics Study" in Appendix A.

Environmental Advisory	Board - Plymouth Township		•••
Plymouth Township EAB Single-	Use Plastics Study - June 2023		
DRIVE.GOOGLE.COM Plymouth Plastics Study-Co	ommunityCommunication-230	16.pdf	1
占 Like	Q Comment	分 Share	

TOWNSHIP WEBSITE DOCUMENTATION



More information about the MS4 program is available from the Pennsylvania DEP website and from the following EPA fact sheets: Overview of the Phase II program Small MS4 overview Who's covered Urbanized areas

CONSTRUCTION PROFESSIONALS

Please note that a permit is required for the addition to, alteration of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping.

A construction site is a source of chemicals, debris and other pollutants that can be picked up by flowing stormwater. Not only does this pollute local water sources, it can also result in expensive repairs to vegetation, property, storm drains and gullies.

These pollution prevention measures can help:

- Minimize the amount of exposed soil. •
- Protect existing trees, vegetation, streams, wetlands and woodlands with fencing. ٠ •
- Properly install and maintain silt fences and inspect them after every storm.
- Sweep the construction site entrance regularly so that soil and debris does not reach storm drains. Landscape soon after the land is graded to stabilize the site.

For more information on construction activities see: PAG-02 Stormwater Discharges Associated with Construction Activities Storm water and the Construction Industry Poster

For more information about storm water management, education, and ways to prevent pollution, see:

StormwaterPA U. S. Environmental Protection Agency **Center for Watershed Protection** Montgomery County Conservation District **EPA's Stormwater Tool Box of Education Materials** Water Cycle Glossary of Terms

Ideas for Landscaping and Reducing Runoff Pollution:

Rain Barrels and Rain Gardens Water Efficient Landscaping **Clean Water is Everybody's Business** When it Rains it Drains Brochure





SUMMARY OF ARTICLES IN TOWNSHIP NEWSLETTERS

2023 Fall Newsletter- Public Works page contains information instructions on Yard Waste and Leaf Collection (pages 21-22). Another page contains informative articles titled "Storm Water Regulations," "Where Does Your Sump Pump Flow?" and a notice to never dump garbage into storm drains because they connect to Saw Mill Creek (page 28).

2024 Spring Newsletter- Citizen Boards section contains information on the Township's Environmental Advisory Board. An update was provided on the single-use plastics ban and ordinance proposal. There was also an article introducing Tree Planting/Ecological Restoration volunteer opportunities through Colonial Canopy Tree (CCT), a local non-profit organization (pages 7-8). Another page contains informative articles titled "Storm Water Regulations," "Where Does Your Sump Pump Flow?" and a notice to never dump garbage into storm drains because they connect to Saw Mill Creek (page 21). These are the same stormwater-related articles that were posted in the 2023 Fall Newsletter.

PUBLIC WORKS

RECYCLING NOTICE

Plymouth Township residents are required to separate recycling material from their trash for separate collection. **Do not put recycling in plastic bags**. Items must be placed loose in the blue can. Any items in plastic bags will not be collected.

The recycling pick-up includes newspaper, any type of cardboard, magazines, junk mail, clear, brown and green glass, and aluminum and bimetal cans and plastics. **Recyclables are collected once a week, on your designated recycling day.**

All items must be placed in the blue recycling container and set out at curbside for collection. Flattened cardboard items may be placed next to recycle containers. Additional containers may be used so long as it is marked for recycling. Recycle stickers are available at the Township Building at no charge. **Blue recycle containers are for single stream recycling only. Yard waste or trash will not be accepted in this container.**

Damaged containers can be exchanged at no cost. Lost containers will be replaced at the cost of \$25. Containers will be delivered while the Township Building is being renovated. Please call 610-233-0566.

Preparation Guidelines

Glass

• Clear, brown and green glass bottles and jars only.

- Remove all lids and rinse out.
- Labels may be left on.
- Please do not break the glass.
- Place at curbside in the recycling container.

Aluminum and Bimetal Cans

• Aluminum and bimetal (tin) beverage and food cans.

- Drain and rinse out the cans.
- The cans may be flattened or crushed.
- Place at curbside in the recycling container.

Papers

• Save newspaper, inserts, junk mail, telephone books, magazines, and all cardboard except pizza boxes.

• Place at curbside in the recycle container. Flattened cardboard items may be placed next to container.

Plastic (Now Collecting #1 thru #7)

#1 - PET, PETE, clear, tough plastic commonly used in soft drink bottles.

#2 - HDPE is a plastic commonly used to make bottles for milk, juice, water and laundry products.

#3 – PVC is a plastic commonly used to make some shampoo bottles, cooking oil bottles, some cosmetic bottles, charcoal lighter, mineral oil bottles.

#4 – LDPE is a plastic commonly used to make food storage containers, dairy container lids, fabric softener bottles, lotion and sunscreen tubes.

#5 – PP is a plastic commonly used to make yogurt containers, medicine bottles, deli containers, cosmetic containers, frozen juice cans, some microwave containers.

#6 – PS is a plastic commonly used to make yogurt cups and tubs, cookie and muffin trays, clear carry out containers, aspirin & vitamin bottles (no Styrofoam).

#7 – Others can be used to make some ketchup squeeze bottles, syrup bottles, glass cleaner bottles,
5 gallon water cooler bottles, microwave containers, layered plastic containers.

Containers may be flattened or crushed to save space.

Please check # on bottom of plastics. If it does <u>NOT</u> have a 1 – 7 in the triangle symbol it is not recyclable by our recycle center.

Recyclables must be placed at curb no later than 6:00 A.M. on the collection day, but no earlier than 7:00 P.M. on the day preceding the collection. If a holiday falls on your recycling day, your recyclables will be collected on Wednesday of that week.



PUBLIC WORKS

PLEASE KEEP OUR STREAMS CLEAN!



ANY QUESTIONS?

You would never dream about dumping garbage into Saw Mill Creek. But let waste run down its storm drain and that's exactly what you're doing!

STORM WATER REGULATIONS

Federal storm water regulations Construction require Plymouth Township, as well as most other municipalities "urbanized areas" across Pennsylvania, to comply with the Environmental Protection Agency's new storm water management program. One of the many requirements of the program is to obtain a National Pollutant Discharge Elimination System (NPDES) permit. The program in Pennsylvania is administered by the Pennsylvania Department of Environmental Protection (DEP). Plymouth received its permit on June 28, 2013. The Township is in the process of implementing the storm water management protocols developed by the DEP.

Under the DEP program, Plymouth Township will implement the six required Best Management Practice (BMP) control measures including Public Education, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Run-off Control, Post

ns Construction Storm Water as Management and Pollution Prevention in and Good Housekeeping for Municipal iia, Maintenance.

An important part of the Township's compliance plan is to educate the public regarding the environmental impact of storm water run-off. The PA DEP maintains a website with comprehensive information on storm water education (www.dep.state.pa.us). The Plymouth Township website also has information and links to other websites.

We also ask that residents report any suspected pollution incidents to the Township at 610-277-4103. This includes the dumping of wastewater, illicit liquids or solids into streams or storm sewers.



WHERE DOES YOUR SUMP PUMP FLOW?

The Township is continuing its efforts to prevent unwanted stormwater water from entering the sanitary sewer system. We continue to inspect and repair manholes and sewer lines throughout the township in an effort to remove as much stormwater Inflow and Infiltration (I&I) from the system as possible.

Are you aware that it is illegal to have your sump pump connected to the sanitary sewer system? Illegal sump pump connections put unnecessary rain water into the Township's sanitary sewer system. The Township pays to have this water treated. This results in higher sewer rates for everyone. In addition, it can overload pump stations and other facilities. This leads to sewer overflows, which can cause environmental, and other health hazards, as well as costly property damage. It can also lead to expensive facility upgrades, which result in higher sewer rates and taxes.

What can you do to help? Make sure your sump pump is not connected to the sanitary sewer system. Sump pumps should be connected to a pipe so it can discharge to a lawn area where it can infiltrate back into the ground. Keeping rain water out of the sanitary sewer system will help keep rates from rising unnecessarily.

If you need help with suggestions on where to re-route your sump pump discharge, please call the Plymouth Township Public Works Department at **610-277-4103**.

PLYMOUTH TOWNSHIP PROPERTY SALE SEWER INSPECTION

The owner must have the sewer lateral inspected by a licensed Master Plumber, who is registered in the Township prior to the sale of a property. It is recommended that this process start once the property is listed for sale due to the time it will take for completion, but no later than once a property has an agreement of sale. The inspection should be completed before the property is transferred.

The Plumber must video the lateral from the house to the inlet of the main to make sure there is no water infiltration or illegal hook-ups (sump pumps, Storm water inlets, etc.).

Then the Plumber will prepare a report stating what is found and provide a copy of a video on CD or DVD that will be given to the Township.

If the lateral is found to be deficient, then a permit application must be submitted and approved, prior to repairs being made. Repairs should be completed prior to transfer of the property.

Once the repairs are made, the Plumber must submit a report stating that all deficiencies have been remediated.

If the repair can't be made prior to settlement, then a Home Sale Affidavit signed by the buyer must be submitted to the Township before a Certificate of Adequacy will be issued.

Work must be completed no later than 30 days after settlement. This inspection is in addition to the curb & sidewalk inspection.

2023 ANNUAL REPORT

POLICE DEPARTMENT

As we face a new year full of possibilities, I am pleased to acknowledge the noteworthy achievements of our members throughout this past year. While our sworn and civilian staff provide for our community with pride and dedication, they do so alongside our committed Emergency Service partners as well as the goodwill bestowed by our residents and businesspeople.

Despite a continued rise in criminal offenses within the Township, the Police Department achieved various objectives established for 2023:

- Amidst a steady rise in calls for service, we successfully increased our traffic enforcement efforts in several areas unduly impacted by speeding and reckless driving.
- As part of our recruitment efforts, we further developed our work force with the hire of four officers of diverse backgrounds. This broadening supports our endeavor to better serve our community.
- Through a concerted effort to better equip our officers, we updated our handguns to include a more advanced sighting system. These improvements support better accountability and increased safety measures.
- In response to the tremendous strain placed upon our resources by Montgomery County's bail reform platform, we developed a streamlined system of prisoner processing and arraignment; utilizing fewer officers in the process and providing enhanced police coverage in the community.
- We have fortified our community partnerships through an alliance with CAARSEA, Church on the Mall, Laurel House, our Emergency Service companions and the District Attorney's Office. We collaborated on the following community initiatives:
 - National Night Out
 - COP Camp
 - Coffee with a Cop
 - Cops-N-Kids Basketball Fun Night
 - Trunk-or-Treat Halloween Drive-Thru
 - Citizens' Police Academy
 - Shop with a Cop
 - Church on the Mall Code Blue Shelter
 - Winter Clothing Drive
 - Holiday Food Drive
 - Feeding our Unhoused Neighbors
 - Toy Drive for Children's Hospital
 - Placement for the Homeless
 - Drug Take Back Events
 - Gun Turn-In Events

As to our organizational goals for 2024: The concern over maintaining our community service objectives, as demands on our resources are escalating, require a focused review of our capabilities.

As we advocate for the practice of evidence-based policing, our agency subscribes to the collection and analysis of data. Since our initial examination of 2021 staffing conditions, we have continued charting statistical trends in the Township over the past two years. The following is evident to date:

- Calls for Service have increased 17%
- Vehicle Thefts have increased 25%
- Calls involving guns have increased 30%
- Criminal Arrests have increased 52%
- Retail Thefts have increased 144%

While our public safety resources are overtaxed, we find areas of social obligation that demand attention: Homelessness and traffic related quality of life issues.

- Public Assistance to the unhoused community has increased 75%
- Traffic Enforcement efforts in our neighborhoods have increased 34%

Although we continue to prioritize essential demands, and maneuver existing means, we find that our resources have not adequately kept up with the vulnerabilities confronting the Township. These challenges remain our top priority for 2024.

We remain committed to serve and protect the Plymouth Township community, and we do so through a partnership with our Township colleagues and Emergency Service allies. Similarly, we compassionately serve our community through the leadership of Manager Karen Weiss and our Plymouth Township Council members.

Ultimately, I offer tribute to the women and men of the Plymouth Township Police Department. As you have stayed committed to serving the needs of our town with professionalism and compassion, the Plymouth Township community strives to provide you with the support you endlessly deserve. I thank you all for your service and appreciate the hardships felt by your families and loved ones.

CITIZEN BOARDS

ENVIRONMENTAL ADVISORY BOARD

Single-Use Plastics

Over the past year, in conjunction with several other local municipalities, we have been researching a single-use plastics ban and presented an ordinance recommendation to Council. The proliferation of plastics and their harmful effects to our health and to our environment have become more apparent to many of our community. This will continue to be a focus of the EAB as we look to ask Council to implement a single-use plastic ban in 2024.

Ready for 100 and Clean Energy Transition Plan

With Resolution 2019-16 Plymouth Township pledged to transition to 100% renewable energy by 2050. During 2024 the EAB will review and refresh the draft Clean Energy Transition Plan for Plymouth Township which was developed in 2021 through a joint effort of twenty-eight municipalities across the five SE PA counties. The EAB plans to then present the transition plan for adoption.

Complementary to the Clean Energy Transition Plan and similar to some other local suburban townships, the EAB has been working on a rooftop solar cost/benefit analysis for the municipal buildings. Our plans are to complete this assessment in 2024 and to present our findings for consideration to Council.

Tree Planting / Ecological Restoration Volunteer Opportunities

There will be several volunteer events throughout the spring and fall through a local non-profit called Colonial Canopy Trees (CCT). Events will be posted on <u>https:// colonialcanopytrees.org/upcoming-events/</u>, and we encourage you to sign up for the newsletter on CCT's homepage, especially if you're interested in volunteering at future events. Events will focus on planting new native trees, caring for our existing ones, and removing invasive species throughout Plymouth's parks and natural areas. Hope to see you there!

CITIZEN BOARDS

Other Activities

Other activities that the EAB has been evaluating for further efforts include: investigating proposal of a tree preservation ordinance, evaluating budget and grant opportunities for walk/bike path planning, evaluating township resident climate change education opportunities, evaluating the return on environmental open space funding, applying to receive support from a shared county level Energy Manager service, researching installation of additional EV charging stations in the township and a lawn/meadow ordinance.

EAB Board Member Opening

We are looking for a resident volunteer to join our board. If you have an interest in the environment and helping the township increase its environmental stewardship, please consider applying by contacting Karen Weiss, Township Manager. We meet on the 3rd Tuesday of the month at 7pm. Our meetings are open to the public and the zoom link is found in the calendar entry on the township website.

HUMAN RELATIONS COMMISSION

Joretha Bourjolly served 5 years on the Human Relations Commission.



ZONING HEARING BOARD

Denise Pygatt served 5 years on the Zoning Hearing Board.



ENVIRONMENTAL ADVISORY BOARD

Ben Deatrich served 3 years on the Environmental Advisory Board.



PARKS, RECREATION AND SHADE TREE ADVISORY BOARD

Mike Perez served 4 years on the Park, Recreation and Shade Tree Advisory Board.





PUBLIC WORKS

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PUBLIC WORKS

YARD WASTE

Plymouth Township will collect yard waste on every Wednesday throughout the year as part of the new yard waste collection schedule. This program is in addition to your regular trash pick-up and recycle day. Every year hundreds of tons of recyclable yard waste is thrown into the waste stream costing the Township \$63 for every ton. In our continued effort to help the environment we are implementing this new program to validate our commitment to help the environment and save tax dollars in the process.

Residents who have yard waste should put it out before 6:00 a.m. every Wednesday to be collected. If a holiday should fall on Wednesday, collection will be the following week.

Collection will be in a designated trash truck for yard waste. Remember, all of our trash trucks look the same so rest assured that each one will be designated for a particular waste material.

All Recyclables and Yard Waste is Collected in a Designated Trash Truck

The Township uses a trash truck to collect all recyclables including corrugated cardboard. This is called <u>Single Stream Recycling</u>. Why are we doing this? Processing costs have come down. The simplicity for residents to recycle should increase our recycling totals and help prevent potential recyclable material from entering the trash stream. This in turn will save the township money for disposal costs and help the environment as well.

Cans, bottles, plastics, papers and cardboard will now be **collected together** in a single rear load trash truck and sorted at a processing facility. The Township used to collect the commingled items (cans, bottles, plastics) separate from the papers. Now, simply **put all recyclable material including cans, bottles, plastics, paper and all cardboard in the same bin or designated recycle container.** No need to separate paper from other commingled material. Large cardboard items must be broken down and can be placed next to bin or can if they do not fit.

So rest assured that although the materials will be collected with a trash truck, the materials are still being recycled to protect our earth and reduce disposal costs.

What is Yard Waste?

Yard waste is grass clippings, twigs/shrub trimmings and prunings, leaves, and garden waste such as pinecones, weeds, dead plants. **Rocks, dirt and logs are not considered yard waste!**

How do I prepare my yard waste for collection?

Yard waste must be placed in biodegradable brown paper bags or in a designated yard waste container or trash can. No plastic bags! All material that is not properly prepared will not be collected.

Biodegradable brown yard waste bags can be purchased at Home Depot, Lowes and some grocery stores.

This program is not intended to remove large entire trees from your property. The Township reserves the right to refuse collection at its discretion in such cases.



For more information, call the Public Works Department at <u>610-277-4103</u>

PUBLIC WORKS

LEAF COLLECTION

Please refer to the map on the <u>following page</u> and **tentative** schedule for leaf collection this fall. The schedule will be adjusted based on weather conditions and how many leaves are falling. Residents should have their leaves curbside for collection by Monday of the scheduled week.

Leaf collection can be a dusty proposition. Residents are urged to keep car windows rolled up and park in the driveway to limit any pesky dust problems.

Please don't begin raking leaves to the curb until the week before your scheduled collection. This prevents safety hazards caused by clogged storm sewers or fires from parking cars on the leaf pile.

If crews are available, they may be in your area early. But don't worry; we'll be back in the areas as scheduled to get your leaves.

Optional Bagged Collection: Residents can opt to place bagged leaves at the curb for collection on Wednesdays. Residents must use biodegradable paper leaf bags for collection or a designated yard waste container. <u>LEAVES IN</u> <u>PLASTIC BAGS WILL NOT BE COLLECTED.</u> Biodegradable paper leaf bags are available for purchase at local retailers, including Home Depot, Lowes, other hardware stores and some area supermarkets.

Follow these guidelines in order to make leaf collection as safe and efficient as possible:

- Curbside leaf piles may extend along the entire length of the property.
- DO NOT mix limbs, brush and other debris with leaf piles since such items may cause damage to the collection equipment and injury to Township personnel. Mixed Piles will not be collected.
- Leaves will not be collected with your regular trash collection. Trash with leaves co-mingled will not be collected.
- Adverse weather conditions may cause delays in leaf collection dates.
- Once the leaf collection machine has passed it will not return until the next scheduled collection.
- Township employees and/or equipment are not permitted to enter private property to remove leaves.
- Property owners are encouraged to start their own compost piles.



Tentative Leaf Collection Schedule

(See Township map on next page)

Week of	Section
October 16	3
October 23	2
October 30	1
November 6	3
November 13	2
November 20	1
November 27	3
December 4	2
December 11	1

Plymouth Township EAB Single-Use Plastics Study - June 2023

The Plymouth Township Environmental Advisory Board is continuing its investigation into ways to reduce the use of single-use plastics in the township.

Regarding single-use plastics in PA, as of the end of March 2023, there are 17 municipalities in PA that have adopted a single-use plastics ordinance including Philadelphia and Pittsburgh. Four are in Montgomery County: Narberth, Ambler, West Norriton and Cheltenham. Lower Merion and Whitemarsh will be voting on their ordinances soon. Nine others in SE PA are discussing. We expect to provide more information this fall. If you would like to receive an update, please fill in your contact email on the feedback form, below. Thank you for responses received since this study was initially announced in April 2022.

Why should you care about single use plastics? Did you know that:

- Many plastics are not recyclable. They do not biodegrade but instead break up into microplastics that enter our water, food, and air. Recent survey data shows <u>microplastics in</u> <u>waterways across Pennsylvania</u>.
- <u>40% of the plastic consumed globally is plastic packaging that is used just once and then</u> <u>thrown away</u>.
- The national average number of single-use plastic bags used per person is <u>365 bags per</u> <u>year</u>. This means in 2020, that added up to more than **6.6 MILLION bags** for the 18,256 Plymouth Township residents in 2020 alone!
- Most recycling machinery can't handle plastic bags, it's difficult to get usable material from the bags, and there is little market for post-consumer plastic as new material is cheaper. As a result nearly all plastic bags end up as litter, water or air pollution, or sit for hundreds of years in landfills[1].

[1] Sources, (UC Berkeley, McArthur /World Economic Forum, RecyclingToday report, State Impact Pa., NPR, PennEnvironment).

We can all do our part to eliminate single-use plastics use in the township and start improving our environment as a result. If you are up for a challenge, try the Plastics Free July pledge on the back of this page.

Feedback and questions

We are interested in your input on this issue. Please submit your ideas and questions at <u>https://tinyurl.com/PlymouthTwpPlastics2023</u>. Even if you do not have comments at this time, please submit your email to be informed of updates on our progress.



Plastics Free July

Plastic Free July (official PFJ link HERE: <u>https://www.plasticfreejuly.org/</u>)

• SIGN UP: Please see this form <u>https://mluc.breezechms.com/form/3af679</u>) for people to sign up and take the pledge to be more aware of and try to reduce their plastic waste for the month of July (or longer!)

• FORUM: This group has also created a Plastic Free July Regional Challenge Forum, "Let's Go Plastic Free," which is up and running. It's a place where you can share your questions, suggestions, tips, frustrations, successes, and great ideas with everyone. It is a public site, so you can direct your friends and neighbors to sign up too. Link HERE: https://pkosty2.wixsite.com/lets-go-plastic-free

• VIDEO: To motivate people, HERE is the link to a startling video about plastics and our bodies and earth - <u>https://paipl.us/2023-02-10-now-available-video-of-pa-ipl-environmental-education-series-february-2023/</u>

MUNICIPAL SEPERATE STORM SEWER SYSTEM ANNUAL MS4 STATUS REPORT

APPENDIX B MCM#2 PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM



• Public Involvement and Participation Documentation

PLYMOUTH TOWNSHIP Montgomery County 700 Belvoir Road, Plymouth Meeting, PA 19462



Center for Watershed Protection, Inc. 11711 East Market Place, Suite 200, Fulton, MD 20759 www.cwp.org

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PUBLIC EDUCATION AND OUTREACH DOCUMENTATION

December 21, 2023- The Township posted a call for volunteers to join the Environmental Advisory Board (EAB) on their Township Facebook page.



April 19, 2024- PECO, in collaboration with the Arbor Day Foundation hosted an Energy-

Savings Tree Give-Away for residents in their service area, including Plymouth Township. The

event was shared on the Township Facebook page.



Environmental Advisory Board - Plymouth Township

PECO is giving away free trees to residents in their service range. There are still some trees left for Plymouth Township residents to reserve!

Here is some information about the 2 options available:

1. Willow oak (Q. phellos) - the best tree for wildlife on this list. Fast-growing tree with willow-like leaves. Good for moist soils, but not adapted to poorly-drained sites.

2. American linden (T. americana) - Top pollinator tree on the list. A nice landscape tree because it tends to grow in a rounded shape.

You can reserve your tree by visiting this link and going through the tree selection and placement process.

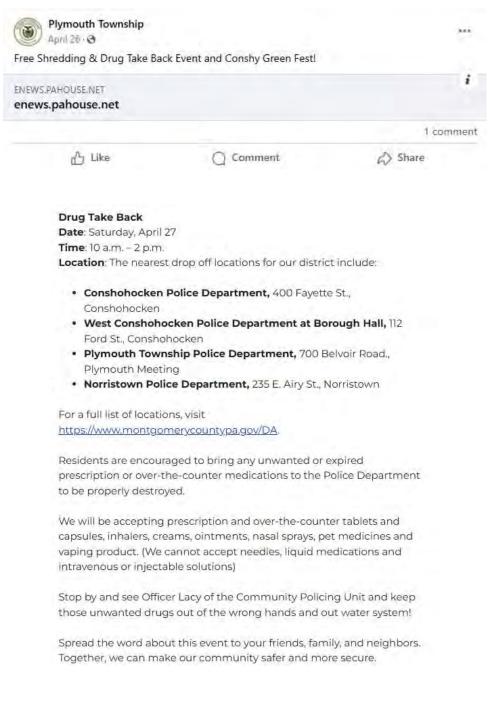
Link:



ENERGYSAVINGTREES, ARBORDAY, ORG

Energy-Saving Trees

Energy-Saving Trees is a research-based tool intended to help homeowners and utility companies save energy and money by strategically planting trees. April 26, 2024- The Township hosted a Drug Take Back event on April 27, 2024. The Township posted about the event on their Township Facebook page and on the Township calendar, accessible through the Township website.



May 2, 2024- The Township posted on their Township Facebook page about a Town Hall Meeting that discussed the Plastic Bag Ban ordinance. The Township also posted a notice about the Town Hall Meeting on the Township calendar. The Town Hall Meeting took place on May 29, 2024.

Plymouth Township May 2 - O	
Town Hall Meeting - May 29, 2024	
Meeting Information:	
PLYMOUTHTOWNSHIP.ORG	4
Town Hall - Plastic Bag Ban (2024-05-29) @ Greater Plymouth Community Center	
Town Hall – Plastic Bag Ordinance	
WHEN: May 29, 2024 @ 7:00 PM America/New York Timezone	🛱 Calendar
@ Greater Plymouth Community Center	Add to Calendar +
<section-header></section-header>	

June 10, 2024- The Environmental Advisory Board posted on the Township Facebook page that the First Consideration of the Single-Use Plastic Reduction Ordinance would take place on June 10, 2024.

Environmental Ad	dvisory Board - Plymouth	n Township's Post	×
Environmental Advisory E	3oard - Plymouth Township		
	Consideration of the Single-Use Place ar monthly meeting at 7pm, at GPC		t
monoay, sone tou,, at then regul	ar monthly meeting at vpm, at one		nment
凸 Like	Comment	Share	
Most relevant 🐱			
Paul Krepto What was the response at	the end of May town hall? I was u	nable to attend.	
7w Like Reply			

PUBLIC EDUCATION AND OUTREACH DOCUMENTATION

COLONIAL CANOPY TREES EVENTS IN PLYMOUTH TOWNSHIP

Plymouth Township regularly partners with Colonial Canopy Trees (CCT) to plant native trees and riparian buffers, remove invasive species, and provide education. The Township website, Tree Planting webpage discusses the partnership with CCT and provides a link for residents to access upcoming events. CCT hosting the following events during the reporting period:

Government Community Services



Building Code Appeals Civil Service Commission East Norriton-Plymouth-Whitpain Joint Sewer Authority Emergency Services Board Environmental Advisory Board Historical Architectural Review Board Human Relations Commission Park, Recreation and Shade Tree Advisory Board Planning Agency Property Maintenance Code Appeals Zoning Hearing Board

Departments

Tree Planting

Montgomery County, Pennsylvania

Plymouth Township continually works with a local non-profit organization to replenish the township's tree coverage in parks and public areas. <u>Colonial Canopy Trees</u> (CCT) is a 501(c)(3) charitable organization serving the Plymouth, Whitemarsh, Conshohocken and Norristown areas.

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Search

Calendar Citizen Request Documents

Search

CCT regularly hosts volunteer events to plant trees, remove invasive species, provide education and empower citizens to make a change. Residents can volunteer with CCT by signing up for upcoming events, <u>found here</u>. Residents can make a <u>tax-deductible donation</u> to Colonial Canopy Trees, which funds additional ecological restoration projects in Plymouth Township.

Plymouth Township also offers Remembrance & Commemorative trees, which are planted in public parks throughout the township. Honor a loved one by purchasing a tree <u>at this link</u>.



April 10, 2024- Colonial Canopy Trees (CCT), a local non-profit organization, hosted a Native Tree Planting event at JFK Park to plant native shade trees along the edge of the park.



Native Tree Planting at JFK Park

JFK Park West Parking Lot, Plymouth Meeting

Wednesday, April 10 – 9:30am – 12pm

We will be planting ten native shade trees along the edge of the park to provide more shade and invite more wildlife. We will be working with our friends at Cencora who have worked with us before, but all are welcome.

Sign up here!

May 11, 2024- Colonial Canopy Trees (CCT) hosted a Riparian Restoration event at Stonehouse Church, Plymouth Meeting. Previously, 15 native trees were planted to stabilize the streambank along Sawmill Run. During this event, 17 new native trees and shrubs were planted.



Riparian Restoration at Storehouse Church!

Storehouse Church, Plymouth Meeting

Saturday, May 11 - 9:30am - 12pm

We'll be implementing phase two of our riparian restoration project at Storehouse Church. We previously planted 15 native lowland trees to begin the process of stabilizing the streambank along Sawmill Run in Plymouth Township. We'll be planting an additional 17 trees and shrubs during this phase!

Sign up here!

May 30, 2024- CCT hosted a tree and shrub planting event at Harriet Wetherill Park, Plymouth Meeting. 7 additional trees and 2 shrubs were planted along the creek flowing through the park.



Harriet Wetherill Park, Butler Pike Lot (2642 Butler Pike), Plymouth
<u>Meeting</u>

More Trees and Shrubs for Harriet Wetherill Park!

> Wednesday, May 15 – 10:00am – 12pm Postponed due to forecasted rain!

Thursday, May 30 - 10:00 am to 12:30 pm

We have been planting the area along the creek that travels through Harriet Wetherill Park for a few years now, but the more trees the better. We will plant 7 more native shade trees and 2 shrubs. We will be working again with our friends at Quaker Houghton, but all are welcome. Please join us!

Sign up here!

June 6, 2024- CCT hosted a Riparian Restoration planting event at Bicentennial Park, Plymouth Meeting. CCT members and volunteers planted native trees and shrubs and removed invasive species.



Riparian Restoration in Plymouth Township!

Meet at Bicentennial Park - 700 Belvoir Rd, Plymouth Meeting

June 6th, 2024 - 9:30am - 3pm

We will begin working at Bicentennial Park in the morning, and then head over to Harriet Wetherill Park in the afternoon. At both sites, we'll be planting native trees and shrubs, and removing invasive species where necessary. We'll be working with our friends at AXA – but feel free to join us for as much or as little as you'd like!

Sign up here!

June 12, 2024- CCT hosted a maintenance event for the Pollinator Garden at Black Horse Park, Plymouth Meeting.



Plymouth Pollinator Patch Maintenance!

June 12th, 2024 - 6:30pm - 8pm

Meet at Black Horse Park – 436 School Ln

In the spring of 2023, we planted a pollinator garden at Black Horse Park in Plymouth Meeting. We removed some turf grass and installed native plugs. They are THRIVING just over a year later! We are holding a brief evening event to do some minor tasks at the garden to improve aesthetics and appeal:

- enjoy the blooms, pollinators, and company!
- remove weeds and unwanted grasses
- re-edge the perimeter to reduce mower damage
- install a small rope border to hold up our flopping sedges
- install a fresh layer of wood chips along the walking path

No signup required! We hope you can join us!

MUNICIPAL SEPERATE STORM SEWER SYSTEM ANNUAL MS4 STATUS REPORT

APPENDIX C MCM #6 POLLUTION PREVENTION/GOOD HOUSEKEEPING

- NPDES MS4 Program Training Presentation
- NPDES MS4 Program Training Sign-In Sheet
- Perkiomen Watershed Conservancy Stormwater Symposium Documentation
- Montgomery County Public Works Association Illicit Discharge Elimination and Detection Training Documentation

PLYMOUTH TOWNSHIP Montgomery County 700 Belvoir Road, Plymouth Meeting, PA 19462



Center for Watershed Protection, Inc. 11711 East Market Place, Suite 200, Fulton, MD 20759 www.cwp.org



MONTCO PUBLIC WORKS ASSOCIATION



Summer 2024 Outdoor Training & Vendor Event

Thursday, June 27, 2024 Montgomery County 4-H Center 1015 Bridge Road, Collegeville, PA 19426

Meeting Sponsors

Lawn and Golf Supply Co., Levan Machine and Truck Equipment, Northeast Sweepers and Rentals, Robert E. Little Inc., & SealMaster PMG

This event will consist of two education/training sessions, vendor product displays and vendor demonstrations showcasing different products and processes relevant to Public Works. All aspects of this event will be held either outdoors or under open-air pavilions. *Only register those who will attend and please do not send anyone not registered*.

Education/Training Sessions

CDL On Site

- On site CDL Training and Certifications for Businesses and Municipalities
- Center for Watershed Protection
 - MS4 Training on Illicit Discharge and Detection

Vendor Presentations & Product Viewing/Demonstrations

- Lawn and Golf Supply Co.: Outdoor Power Equipment
- Levan Machine and Truck Equipment: Machine Shop and Commercial Vehicle Upfitting
- Northeast Sweepers and Rentals: New, Used and Rental Street Sweepers
- Robert E. Little, Inc.: Site Work Construction Equipment
- SealMaster PMG: Pavement Products and Equipment

Schedule:

8:00 AM - 8:30 AM	On-Site Registration
8:30 AM - 9:00 AM	Vendor Introductions
9:00 AM - 9:45 AM	First Training Session - CDL On Site
9:45 AM-11:15 AM	Equipment Viewing/Vendor Presentations & Demonstrations
11:15 AM - 12:00 PM	Second Training Session - Center for Watershed Protection
12:00 PM - 12:15 PM	MCPWA Business Meeting
12:15 PM - 1:00 PM	Lunch

Lunch: Mama's Majik Kitchen

Meeting attendees will be given a food voucher for 2 Hot Dogs, Chips and Beverage

RSVP by Monday, June 24, 2024 to: MontcoPWA@gmail.com or 610.246.4806

Please indicate how many individuals will be attending the event.

RIPPACK TOWNSHIP NPDES MS4 Program Training Sign-In Lower Providence Township Building LOWER PROVIDENCE 100 Parklane Drive, Eagleville, PA 19403 OWNSHIP ... February 22, 2024 at 9:00am PLANT ROOTS GROW FUTURES. Email Department JCH: Unwo @ Lowen Phan Qook S. ONL P.w. LPT JOE CHILLANO Puplic works Skippack Hasold Bonesberger alouis @ skippack township.org Skippack Allison Louis SPRINGFIEZD LAN HAMMER cloyd @ spring fieldmontes. crg CRAG LLOYD 11 PAUL DONNELLY pdonnelly @ laver providence. LPT

Training conducted by Beth Uhler and Julie Schneider, Center for Watershed Protection.

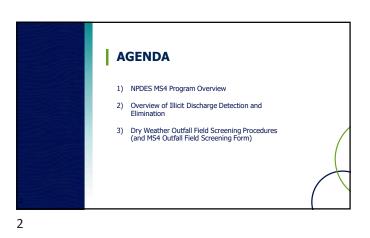


RIPPACK TOWNSHIP NPDES MS4 Program Training Sign-In Lower Providence Township Building LOWER PROVIDENCE 100 Parklane Drive, Eagleville, PA 19403 February 22, 2024 at 9:00am PLANT ROOTS GROW FUTURES. Email Department CHRIS LOSCHIANO Plymouth Tup CLOSENI 400 @Vlymours Taurginio vil LPT John EVANS Laver Wordan d Matthew Weener J. Vodpig Zach Griffiths LP Lower Morchand Stephen Wour LPT Jurlie Miller Scott M LPT AlVIN DAY Mike Nester Jim VI E.J. Mentry alice Fastmure ippack y wish Rodney Hogenbuch

Training conducted by Beth Uhler and Julie Schneider, Center for Watershed Protection.



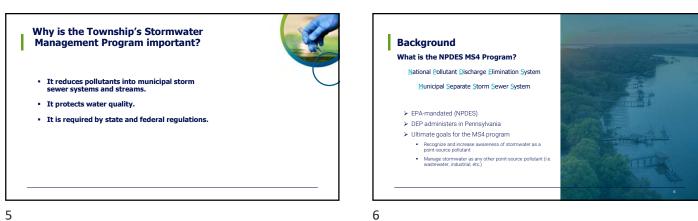












Background

Permit Round 1 - 2003 - 2013 Implement Best Management Practices (BMPs) under Six (6) Minimum Control Measures (MOMs)

Permit Round 2 – 2013 - 2018 • Continuation of MCMs

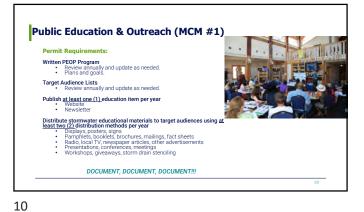
Added Total Maximum Daily Load (TMDL) Requirements (including Chesapeake Bay Pollutant Reduction Plan)

Permit Round 3 – 2018 - 2023 • Continuation of MCMs • Added Pollutant Reduction Plans (PRPs) & Pollutant Control Measures (PCMs) Requirements

7











Construction Site Runoff Control (MCM #4)



Erosion and Sediment Control Statewide program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities through DEP, County Conservation District, and Municipality <u>SATISIFIES</u> this permit requirement.

13

Post Construction Stormwater Management in New and Re-Development (MCM #5)

Permit requirements:

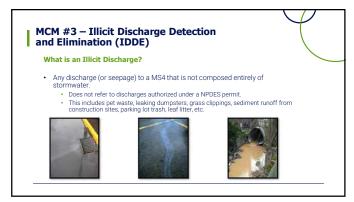
- Statewide Program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities through DEP & the County Conservation District <u>SATISIFIES A PORTION</u> of this permit requirement.
- Ordinance
- Low Impact Development (LID)
 PCSM BMP Inventory
- Written PCSM BMP Inspection Program for BMPs approved after 2003 (Operations & Maintenance)



14



MCM #3: Illicit Discharge Detection & Elimination





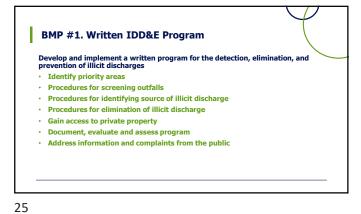


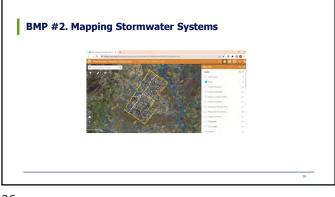


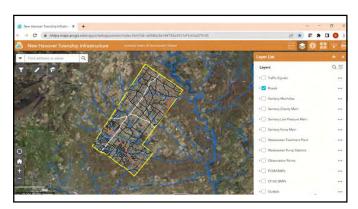




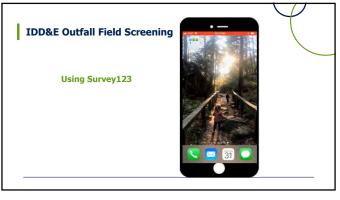








27



28



IDD&E Outfall Field Screening

What is an Outfall? A point source where an MS4 discharges stormwater to surface waters.

- How often?
- Once per permit term
 Priority Areas and known Continual Dry Weather Flows: Annually When?
- "Dry weather" is anytime following the initial 48 hours after a stormwater producing event.
- What?
- Dry weather flows
 Color, Turbidity, Sheen, Floating or submerged solids, Odor

Sampling

Compliance & Enforcement per IDD&E Program Documentation, documentation, documentation.

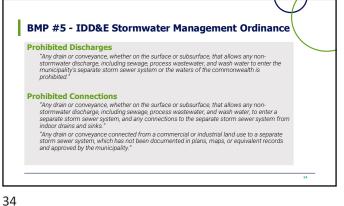




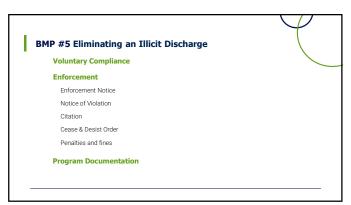


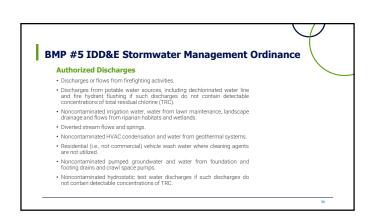


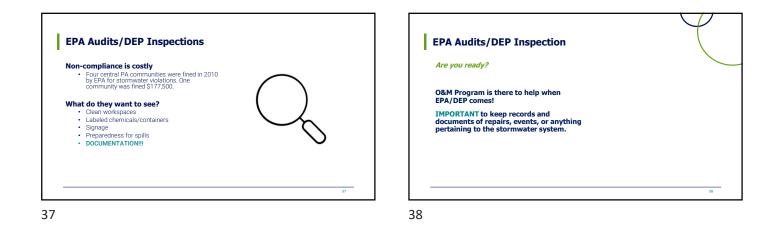


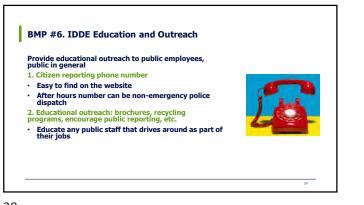


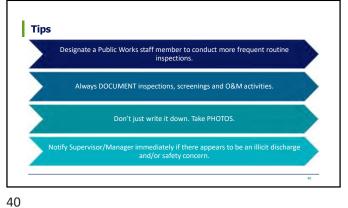




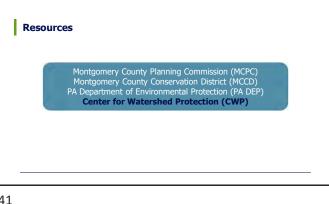




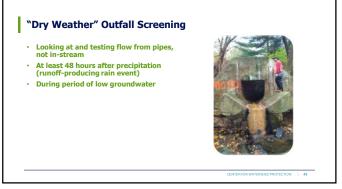




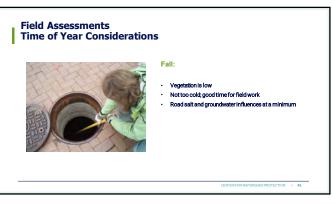




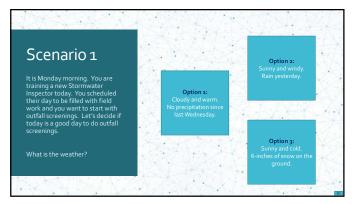


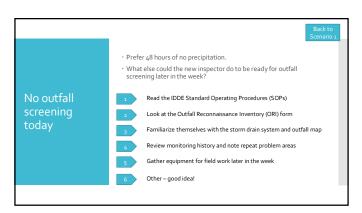


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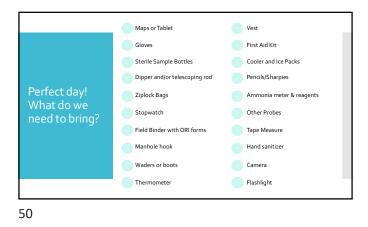






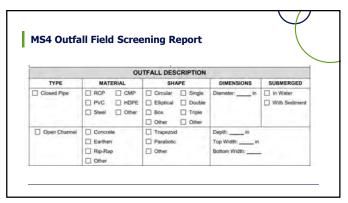




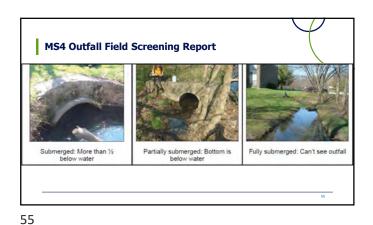




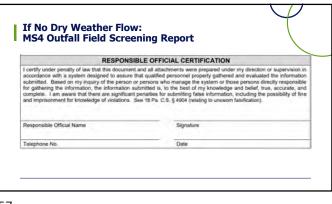
3800-FM-BCWD521 12 MS4 Outfall Field Screen pennsylva powment or own wortectes	ning Report DEPARTMENT OF EN BUREAU C KOMBYN	TH OF PENESTLAMAA WINGAMENTAL PROTECTION 9F CLEAN WATER D SCREENING REPORT				
	BACKGROUM	ID INFORMATION				
Peimittee Name:		NPDES Permit No.: PA				
Date of Inspection:		Outfall ID No.:				
Land Uses in Outfall D	orainage Area (Select All):	Latitude:				
industrial	Urban Residential	Longitude:				
Commercial	Suburban Residential	Dry Weather Inspection? Ves No				
Open Space	C Other	Date of Previous Precipitation.				
		Amount of Previous Precipitation: in				
Inspector Name(s):		Were Photographs Taken? Yes No				
		Are Photographs Attached? Yes No				

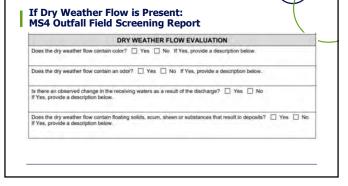






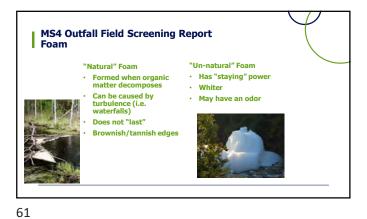


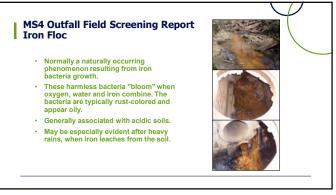






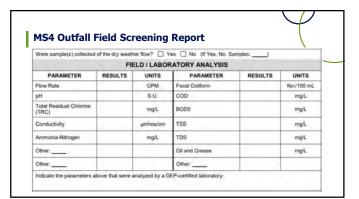


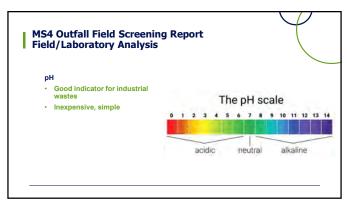


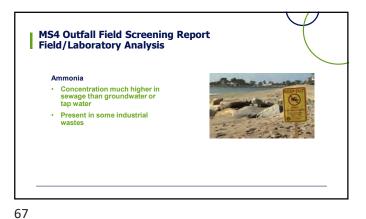


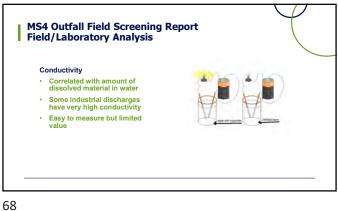


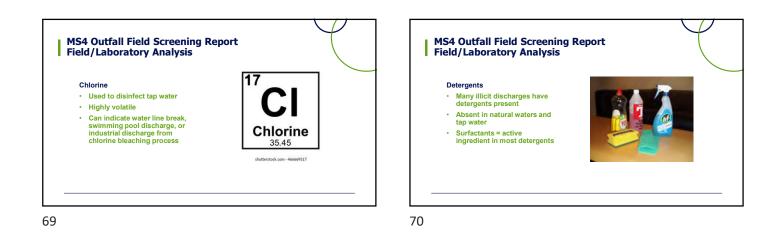
Source Indicator
Wastewater Gray, sewage odor, sewage fungus, floatables
Washwater Suds, detergent or sweet smell
Sediment Orange/brown color
Tap water Chlorine smell (maybe)
Paint Color, turbidity
Concrete washout Turbidity
Industrial Color, odors



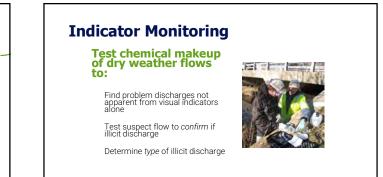












MS4 Outfall Field Screening Report Field/Laboratory Analysis Taking a Sample • DO NOT take sample if discharge has strong smell or is hard to reach • Only take sample if it seems safe • Wear gloves • Avoid touching inside lip of container

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	ILLICIT DISCHARGES	
is the dry weather	flow an illicit discharge? 📋 Yes 📋 No	
If Yes, describe off	orts made to determine the source(s) of the illicit discharge.	
Describe corrective	actions taken by the permittee in response to the finding of an illicit diacharge.	
Inspector Commer	b.	

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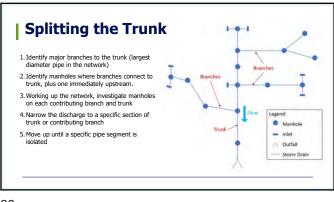
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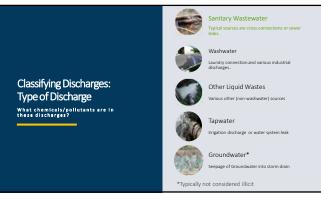




Mapping is Really Important! MS4 Permit requires mapping storm drain system including outfals. Other utility mapping (water and sanitary sever) is helpful too. Webmaps are useful for field staff to arcess utility information in the field on an iPad or laptop.



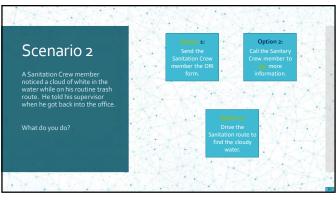
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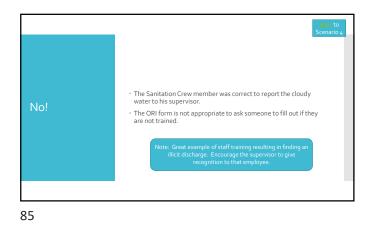


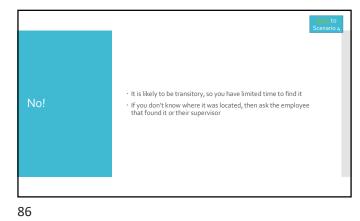


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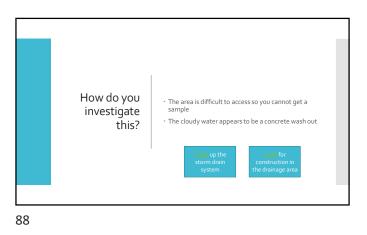


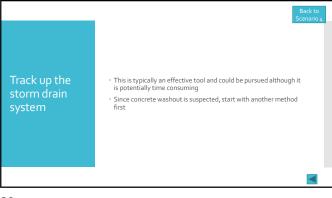


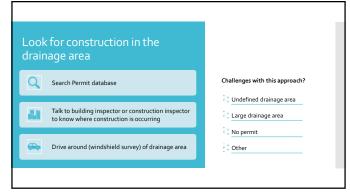










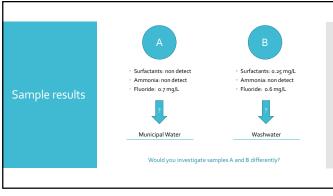


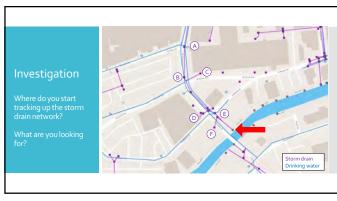


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The Symposium is FULL | Digital Access is Available! Friday, March 8th, 9:00 am - 3:30 pm

GET DIGITAL ACCESS

DONATE

About the Event

Join the Perkiomen Watershed Conservancy and our regional partners to dive deeper into the world of stormwater! Discover the different methods local organizations are using to tackle stormwater issues. Municipalities will walk away with educational materials and volunteer opportunities for their residents. This training is also designed to be a one-stop-shop for municipal staff, covering all six MCMs!

> Learn from our great panel of speakers: The Department of Environmental Protection The Montgomery County Planning Commission The Montgomery County Conservation District The Perkiomen Flood Study Center for Watershed Protection Perkiomen Watershed Conservancy

Have an impressive stormwater project you would like to showcase? Submit a project poster to display during event registration and the lunch hour. Don't miss this opportunity to share your work with fellow colleagues! Check out project poster guidelines here.

Sponsor the Perkiomen Stormwater Symposium! Support the Symposium AND show off your organization's logo and marketing materials to attendees. It's a win-win!

The Stormwater Symposium is the first training hosted in the Conservancy's Professional Education Series! Be on the lookout for information about our upcoming Teacher Training and the Island Field Workshop.

Ursinus College

610 E. Main St., Collegeville, PA 19426



MONTCO PUBLIC WORKS ASSOCIATION



Summer 2024 Outdoor Training & Vendor Event

Thursday, June 27, 2024 Montgomery County 4-H Center 1015 Bridge Road, Collegeville, PA 19426

Meeting Sponsors

Lawn and Golf Supply Co., Levan Machine and Truck Equipment, Northeast Sweepers and Rentals, Robert E. Little Inc., & SealMaster PMG

This event will consist of two education/training sessions, vendor product displays and vendor demonstrations showcasing different products and processes relevant to Public Works. All aspects of this event will be held either outdoors or under open-air pavilions. *Only register those who will attend and please do not send anyone not registered.*

Education/Training Sessions

- CDL On Site
 - On site CDL Training and Certifications for Businesses and Municipalities
- Center for Watershed Protection
 - o MS4 Training on Illicit Discharge and Detection

Vendor Presentations & Product Viewing/Demonstrations

- · Lawn and Golf Supply Co. Outdoor Power Equipment
- Levan Machine and Truck Equipment: Machine Shop and Commercial Vehicle Upfitting
- · Northeast Sweepers and Rentals. New, Used and Rental Street Sweepers
- Robert E. Little, Inc. Site Work Construction Equipment
- SealMaster PMG: Pavement Products and Equipment

Schedule:

8:00 AM-8:30 AM	On-Site Registration
8:30 AM - 9:00 AM	Vendor Introductions
9:00 AM - 9:45 AM	First Training Session - CDL On Site
9:45 AM-11:15 AM	Equipment Viewing/Vendor Presentations & Demonstrations
11:15 AM-12:00 PM	Second Training Session - Center for Watershed Protection
12:00 PM - 12:15 PM	MCPWA Business Meeting
12:15 PM-1:00 PM	Lunch

Lunch: Mama's Majik Kitchen

Meeting attendees will be given a food voucher for 2 Hot Dogs. Chips and Beverage

RSVP by Monday, June 24, 2024 to: MontcoPWA@gmail.com or 610.246.4806

Please indicate how many individuals will be attending the event.



Outline

- 1) NPDES MS4 Program Overview
- 2) What an Illicit Discharge is
- Illicit Discharge Detection and Elimination (IDDE) 3) Requirements Crash Course

Background

What is the NPDES MS4 Program?

National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System

- ➢ EPA-mandated (NPDES)
- > DEP administers in Pennsylvania
- > Ultimate goals for the MS4 program Recognize and increase awareness of stormwater as a point-source pollutant
 - Manage stormwater as any other point-source pollutant (i.e. wastewater, industrial, etc.)



Pennsylvania NPDES MS4 Program Components

Minimum Control Measures

- 1. Public Education and Outreach
- 2. Public Involvement and Participation
- 3. Illicit Discharge Detection and Elimination
- 4. Construction Site Runoff Control
- 5. Post Construction Stormwater Management
- 6. Pollution Prevention/Good Housekeeping

Miscellaneous:

water

paint

Concrete washout

Illegal dumping practices: motor oil,

Restaurant grease

- Pollutant Reduction Plans (PRPs)
- Stormwater discharges to streams impaired for sediment and/or nutrients

Total Maximum Daily Load (TMDL) Plans

Stormwater discharges to streams with TMDLs for sediment and/or nutrients

Pollutant Control Measures (PCMs)

Stormwater discharges to streams impaired for acid mine drainage, priority organic compounds, and/or pathogens

Annual MS4 Status Report

MCM #3 – Illicit Discharge Detection and Elimination (IDDE)

What is an Illicit Discharge?

- Any discharge (or seepage) to a MS4 that is not composed entirely of stormwater.
 - Does not refer to discharges authorized under a NPDES permit. This includes pet waste, leaking dumpsters, grass clippings, sediment runoff from construction sites, parking lot trash, leaf litter, etc.





What are common illicit discharges?

Sewage:

- Broken or leaking sanitary sewer line
- Sewer crossconnections
- Sanitary sewer overflows
 - Failing septic systems
- Sump pumps, basement drains, floor drains

Wash Water:

- Laundry wash water . Commercial car
- washing Floor drains connected
- to stormwater pipes

How do you detect an Illicit Discharge?

What to look for:

- Discoloration
- Clarity/sedimentation
- Oily sheen
- OdorFloating solids
- Suspended solids
- Foam
- Other visible indicators of pollution

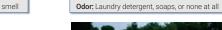


EXAMPLES.....

Motor vehicle fluids (oil, etc.)

Color: Rainbow sheen Odor: Petroleum or gasoline smell







Concrete





Fertilizer

Color: Algal Growth Odor: Sulfur, fecal matter



MS4 Permit Requirements for IDDE

6 Best Management Practices (BMPs)

BMP #1: Written IDDE Program

BMPs #2 and #3: Mapping Stormwater Systems

BMP #4: Dry Weather Outfall Field Screening

BMP #5: Ordinance Prohibiting Non-Stormwater Discharges into the MS4

BMP #6: Educational Outreach Specific to IDD&E



BMP #1. Written IDDE Program

Include procedures for:

- Identifying priority areas
- Screening outfalls in priority areas
- Identifying source of illicit discharge
- Eliminating illicit discharges
- Assessing potential for illicit discharges from sewage disposal systems
- Gaining access to private property
- Documenting, evaluating, and assessing program
- Addressing information and complaints from the public

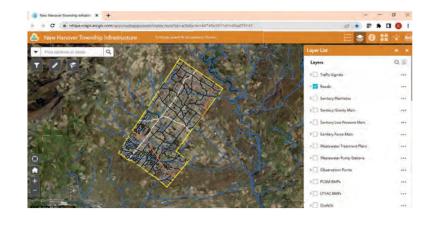


Illicit Discharge Detection and Elimination A Guidance Manual for Program Development and Technical Assessments



BMPs #2 and 3. Mapping Stormwater Systems





1-0 IDDE Tracking No Flow 1. Start at the outfall 2. Sample at manhole closest to 4.30 0.05 outfall 3. Move up the network and sample manholes 2.40 No Flow Legend Goal: Isolate discharge between Manhole Trunk manholes - Inlet 2.30 A Outfall Storm Drain Outfall 2.20

BMP #4. Dry Weather Outfall Field Screening

What is an Outfall vs. Observation Point? A point source where an MS4 discharges stormwater to surface waters.

How often?

• Once per 5-year permit term

· Priority Areas and known Continual Dry Weather Flows: Annually When?

"Dry weather" is anytime following the initial 48 hours after a stormwater producing event. • What?

• Dry weather flows

 Color, Turbidity, Sheen, Floating or submerged solids, Odor Sampling

Compliance & Enforcement per IDD&E Program Documentation, documentation, documentation.



Dry Weather Outfall Field Screening Tips

Time of Year Considerations

. Frozen flows Safety .





:

Road salt Temperature affects on equipment

Dry Weather Outfall Field Screening Tips

Time of Year Considerations



Fall:

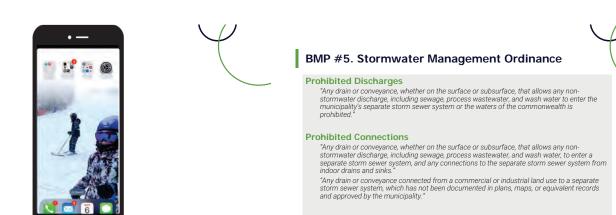
- Vegetation is low
- Not too cold; good time for field work Road salt and groundwater influences at a minimum
 - CENTER FOR WATERSHED PROTECTION | 18

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Dry Weather Outfall Field Screening Tips



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Authorized Discharges

- 1. Discharges or flows from firefighting activities.
- Discharges from potable water sources, including dechlorinated water line and fire hydrant flushing if such discharges do not contain detectable concentrations of total residual chlorine (TRC).
- Noncontaminated irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and wetlands.
- 4. Diverted stream flows and springs.
- 5. Noncontaminated HVAC condensation and water from geothermal systems.
- Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized.
- 7. Noncontaminated **pumped groundwater** and water from **foundation and footing drains** and **crawl space pumps**.
- 8. Noncontaminated **hydrostatic test water discharges** if such discharges do not contain detectable concentrations of TRC.

Eliminating an Illicit Discharge

- > Voluntary Compliance
- > Enforcement
- Enforcement Notice
- Notice of Violation
- Citation
- Cease & Desist Order
- Penalties and fines



pennsylvania protection pennsylvania

County Conservation District

BMP #6. IDDE Education and Outreach

Provide educational outreach to public employees, general public, elected official about the program

1. Public reporting mechanism

- Easy to find on the website
- 24 hours
- After hours number can be non-emergency police dispatch

2. Educational outreach: brochures, recycling programs, encourage public reporting, etc.



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WHAT DO YOU DO WHEN YOU SEE AN ILLICIT DISCHARGE?

Resident: Call Municipality

Public Works: Report to MS4 point person

If non-stormwater discharges enter the MS4 or a stream, report to PA DEP immediately.

Report to PA DEP in Annual MS4 Status Report.

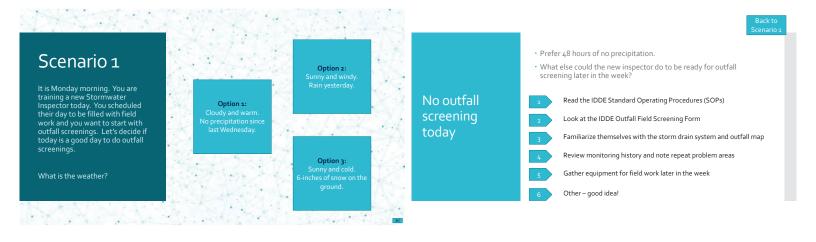
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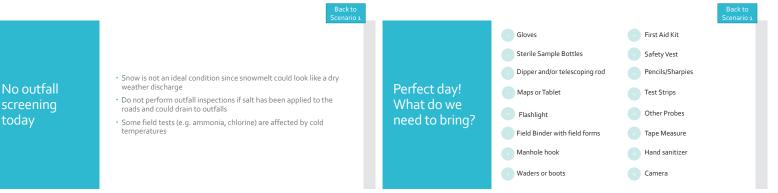


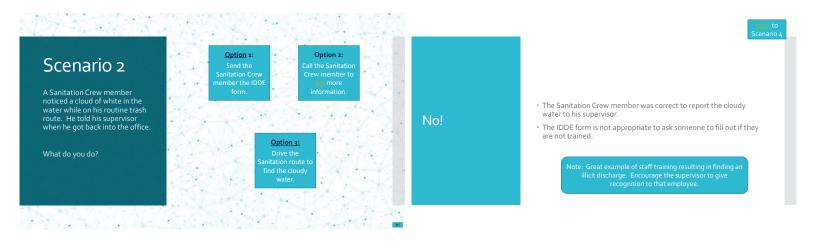
IDDE Tips for Municipal Staff

Designate a Public Works staff member to conduct screenings and investigations.
Always DOCUMENT routine outfall screenings and complaint based investigations
Designate a staff member to record/collect all documentation
Don't just write it down, Take PHOTOS.
Notify Supervisor/Manager immediately if there appears to be an illicit discharge and/or safety concern.

Choose Your Own Adventure







No!

It is likely to be transitory, so you have limited time to find it
If you don't know where it was located, then ask the employee that found it or their supervisor

V۵

able to tell you where they saw th cloudy water and when



How do you investigate this?

- The area is difficult to access so you cannot get a sample
- The cloudy water appears to be a concrete wash out



Track up the storm drain

- This is typically an effective tool and could be pursued although it
 is potentially time consuming
- Since concrete washout is suspected, start with another method first

Look for construction in the drainage area



Challenges with this approach?

No permit

Other

Windshield Survey

Which contractor was working in the area? - Permits



