

LSSE

Civil Engineers and Surveyors

HEADQUARTERS IN CORAOPOLIS, PENNSYLVANIA

MANAGING PRINCIPALS

Kevin A. Brett, P.E.
Ned Mitrovich, P.E.
Jason E. Stanton, P.E.

September 28, 2023

S. O. No. 268-11

VIA DIGITAL UPLOAD

Mr. Paul Livingston
Pennsylvania Department of Environmental Protection
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222-4745

**Subject: Borough of Bradford Woods, Allegheny County
2023 Annual MS4 Status Update
Report Period: July 1, 2022 to June 30, 2023**

Dear Mr. Livingston:

Transmitted herewith is a copy of the 2023 Annual MS4 Status Report for the Report Period from July 1, 2022 to June 30, 2023 submitted on behalf of the Borough of Bradford Woods.

Should you have any questions, please contact John W. Valinsky, E.I.T. directly (Ext. 237).

Sincerely,

Kevin A. Brett, P.E.

KAB/als

Enclosures

cc/enc: Rusti Null, Manager - Borough of Bradford Woods (manager@bradfordwoods.gov)

OFFICES IN: Allegheny, Beaver, Erie and Westmoreland Counties Pennsylvania; Franklin County, Ohio

846 Fourth Avenue Coraopolis, PA 15108 (412) 264-4400 Fax: (412) 264-1200	150 Pleasant Drive, Suite 204 Aliquippa, PA 15001 (412) 264-4400 Fax: (412) 264-1200	10560 Walnut Street Albion, PA 16401 (814) 756-4384 Fax: (814) 756-5638	4534 Route 136, Suite 9 Greensburg, PA 15601 (724) 837-1057 Fax: (412) 264-1200	5980 Wilcox Place, Suite J Dublin, OH 43016 (614) 395-1661
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ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD JULY 1, 2022 TO JUNE 30, 2023

GENERAL INFORMATION					
Permittee Name:	Borough of Bradford Woods	NPDES Permit No.:	PAG136263		
Mailing Address:	4908 Wexford Run Road, PO Box 163	Effective Date:	January 31, 2019		
City, State, Zip:	Bradford Woods, PA 15015	Expiration Date:			
MS4 Contact Person:	Rusti Null	Renewal Due Date:			
Title:	Manager	Municipality:	Borough of Bradford Woods		
Phone:	(724) 935-2990	County:	Allegheny		
Email:	manager@bradfordwoods.gov				
Co-Permittees (if applicable):					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input checked="" type="checkbox"/> Appendix B <input type="checkbox"/> Appendix C <input type="checkbox"/> Appendix D <input checked="" type="checkbox"/> Appendix E <input type="checkbox"/> Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).					
Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Pine Creek	CWF	Yes	Pathogens, Nutrients, Siltation	Yes	Yes
Brush Creek	WWF	Yes	Siltation	Yes	Yes

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

Have you completed all MCM activities required by the permit for this reporting period? Yes No

List the current entity responsible for implementing each MCM of your SWMP, along with contact name and phone number.

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Borough	Rusti Null	(724) 935-2990
#2 Public Involvement/Participation	Borough	Rusti Null	(724) 935-2990
#3 Illicit Discharge Detection and Elimination (IDD&E)	Borough	Jake Turner	(724) 935-2990
#4 Construction Site Storm Water Runoff Control	Borough	Rusti Null	(724) 935-2990
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Borough	Rusti Null	(724) 935-2990
#6 Pollution Prevention / Good Housekeeping	Borough	Jake Turner	(724) 935-2990

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

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

- For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?
 Yes No
- Date of latest annual review of PEOP: June 2023 Were updates made? Yes No
- What were the plans and goals for public education and outreach for the reporting period?
Provide educational material to target audience groups within the Borough
- Did the MS4 achieve its goal(s) for the PEOP during the reporting period? Yes No
- Identify specific plans and goals for public education and outreach for the upcoming year:
The Borough will continue distribution of educational material and stormwater information through the Borough website, newsletter, and other forums. The Public Education and Outreach Program (PEOP) shall continue to be implemented and shall be re-evaluated and revised each permit year as necessary.

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

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

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

- For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?

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

Yes No

2. Date of latest annual review of educational materials: June 2023 Were updates made? Yes No

3. Do you have a municipal website? Yes No (URL:
<https://www.bradfordwoodspa.org/>)

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.

The Borough participates in the North Hills Stormwater Group, a multi-municipal working group for collaboration in MS4 and stormwater related activities.

The Borough also works with the Bradford Woods Conservancy in promoting education and conservation of the community.

The Borough is also a member of the Planners in Action group consisting of municipalities in Allegheny and Butler County; this group discusses stormwater issues.

The Borough is a participant in the North Hills COG Watershed Implementation Program currently in progress.

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

The Borough provides homeowner stormwater management resources and information on their website.

The Borough integrates MS4 practices in their sustainability efforts to retain PA Sustainable Certified Gold Community Status.

The Borough offers Yard Waste Pick Up to the Residents.

The Borough provides information regarding different recycling events on its website.

The Borough assists with volunteer cleanup days within the community.

MS4 updates are given at monthly Borough Council meetings

Residents participated in a tree purchase event

MCM #2 Comments:

MCM #3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E)

BMP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated small MS4.

1. For new permittees only, was the written IDD&E program developed within one year of permit coverage?

Yes No

2. Date of latest annual review of IDD&E program: June 2023 Were updates made? Yes No

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

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

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

If No, date by which permittee expects map(s) to be completed:

2. Date of last update or revision to map(s): July 26, 2022

3. Total No. of Outfalls in MS4: 15 Total No. of Outfalls Mapped: 15

4. Total No. of Observation Points: 37 Total No. of Observation Points Mapped: 37

5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?

Yes No If Yes, select: Existing Outfall(s) Identified New Outfall(s) Proposed

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the permittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, channels, and any other components of the storm sewer collection system), including privately-owned components of the collection system where conveyances or BMPs on private property receive stormwater flows from upstream publicly-owned components.

1. Have you completed a map(s) that includes all components of BMP #3? Yes No

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

If No, date by which permittee expects map(s) to be completed:

2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? Yes No

3. Date of last update or revision to map(s): July 26, 2022

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

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

1. How many unique outfalls (and if applicable observation points) were screened during the reporting period? 7

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

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 28%

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

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

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

Yes No

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

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

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

If Yes, indicate the date of the ordinance or SOP: November 12, 2018

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? Yes No

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

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

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

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

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

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

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

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

If Yes, what was distributed? Training is given to Borough staff with regard to illicit discharges. The Borough website also contains links and information regarding illicit discharges. The Borough website provides instruction for residents desiring to submit an illicit discharge report.

2. Is there a well-publicized method for employees, businesses and the public to report stormwater pollution incidents?
 Yes No

3. Do you maintain documentation of all responses, action taken, and the time required to take action? Yes No

MCM #3 Comments:

MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?

Yes No

(If Yes, respond to questions for BMP Nos. 1, 2 and 3 only in this section. If No, respond to questions for all BMPs in this section)

BMP #1: The permittee may not issue a building or other permit or final approval to those proposing or conducting earth disturbance activities requiring an NPDES permit unless the party proposing the earth disturbance has valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102.

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)?

Yes No Not Applicable (no building permit applications received)

BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.

During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)?

Yes No Not Applicable (no building permit applications received)

BMP #3: Enact, implement and enforce an ordinance or SOP to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs? Yes No

If Yes, indicate the date of the ordinance or SOP: November 12, 2018

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. Yes No

2. Specify the number of inquiries and complaints received during the reporting period:

MCM #4 Comments:

MCM #5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

BMP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs? Yes No
If Yes, indicate the date of the ordinance or SOP: November 12, 2018
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment. Measures should also be included to encourage retrofitting LID into existing development. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that encourages and expands the use of LID in new development and redevelopment? Yes No
If Yes, indicate the date of the ordinance or SOP: November 12, 2018
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #3: Ensure adequate O&M of all post-construction stormwater management BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale.

1. Do you have an inventory of all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003? Yes No
If Yes to #1, complete Table 1 on the next page.
2. Has proper O&M occurred during the reporting period for all PCSM BMPs? Yes No
3. If No to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.

If you are relying on PA's statewide program for stormwater associated with construction activities, you may skip to MCM #6, otherwise complete all questions for BMPs #4 - #6 in this section.

BMP #4: Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions.

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

PCSM BMP INVENTORY

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

BMP No.	BMP Name	DA (ac)	Entity Responsible for O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
1	No Qualifying BMPs			o ' ' "	o ' ' "			
2				o ' ' "	o ' ' "			
3				o ' ' "	o ' ' "			
4				o ' ' "	o ' ' "			
5				o ' ' "	o ' ' "			
6				o ' ' "	o ' ' "			
7				o ' ' "	o ' ' "			
8				o ' ' "	o ' ' "			
9				o ' ' "	o ' ' "			
10				o ' ' "	o ' ' "			
11				o ' ' "	o ' ' "			
12				o ' ' "	o ' ' "			
13				o ' ' "	o ' ' "			
14				o ' ' "	o ' ' "			
15				o ' ' "	o ' ' "			
16				o ' ' "	o ' ' "			

BMP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall inspect all qualifying development or redevelopment projects during the construction phase to ensure proper installation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were not, installed properly).

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?
 Yes No Not Applicable (no qualifying projects during reporting period)
2. Has a tracking system been established and maintained to record results of inspections?
 Yes No

BMP #6: Develop a written procedure that describes how the permittee shall address all required components of this MCM.

Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed? Yes No

MCM #5 Comments:

MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

BMP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for generating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the permittee.

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4? Yes No
2. When was the inventory last reviewed? June 2023
3. When was it last updated? June 2023

BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4.

1. Have you developed a written O&M program for the operations identified in BMP #1? Yes No
2. Date of last review or update to written O&M program: June 2023

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

1. Have you developed an employee training program? Yes No
2. Date of last review or update to training program: June 2023 Date of latest training:

3. Training topics covered:
4. Name(s) of training presenter(s):
5. Names of training attendees:

MCM #6 Comments:

POLLUTANT CONTROL MEASURES (PCMs)

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

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)	September 2019	<input type="checkbox"/>	September 2019
Source Inventory	September 2020	<input type="checkbox"/>	September 2020
Investigation of Suspected Sources	September 2022	<input type="checkbox"/>	September 2022
Ordinance/SOP for Controlling Animal Wastes	July 2019 (Ord 460)	<input type="checkbox"/>	September 2019

PCM Comments:

No suspected sources were found

POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

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

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			Chesapeake Bay
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	September 15, 2017	January 31, 2019	Pine Creek, Brush Creek
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
<input type="checkbox"/> Combined PRP / TMDL Plan			

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

Joint Plan Participants:

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

Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	21,454		
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: September 30, 2023

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

Grant was awarded for first PRP Project

6. Anticipated activities for next reporting period.

Surveys, design, and permitting of the proposed projects to be completed.

PRP/TMDL Plan Comments:

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

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

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

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

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

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

CERTIFICATION

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

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

Rusti Null

Name of Responsible Official

724-935-2990

Telephone No.

Rusti Null

Signature

9/27/23

Date

**EDUCATIONAL MATERIAL AND
PUBLIC PARTICIPATION**

What is Stormwater?

The Pavement Effect

Have you ever noticed water flowing down the street when it rains? Have you ever wondered where the water flows to? Have you thought about what's in the water?

When it rains onto a forest or a field, some of that rain is absorbed by the ground, replenishing groundwater that is used by many for drinking water. Some of the rain is taken up by plants, and some of it simply evaporates. But very little of the rain flows over the ground.

In a more developed setting, such as our cities and towns, rain falls onto pavement, or other surfaces such as roofs, sidewalks, parking lots, and driveways that don't allow the water to be absorbed by the ground. The water that you see flowing down the street is called stormwater runoff.

It's Not Just Rain

When stormwater hits the pavement, it picks up and mixes with what's there.

That might include:

- oil, grease, and automotive fluids;
- fertilizer and pesticides from gardens and homes;
- bacteria from pet waste and improperly maintained septic systems;
- soil from poor construction site management;
- sand from wintertime snow removal;
- soap from car washing;
- debris and litter.

So the water flowing down the street is not just rain; it's polluted water, and it heads directly to our local water bodies



Why is it an issue?

Swimming, And Fishing, And Flooding...Oh My!

How exactly does stormwater pollute? Here are a few ways:

It contributes sediment to water bodies, which can make it difficult or impossible for aquatic plants to grow. This can destroy aquatic habitats for fish and aquatic life.

It contributes excess nutrients (for example, phosphorus and nitrogen) to water bodies, which can cause algae blooms. Algae blooms remove oxygen from the water, which in turn, kills fish and other aquatic life.

It contributes bacteria and other pathogens to water bodies, which can wash into swimming areas and create health hazards. This is usually what has happened which beaches are closed.

It contributes debris to our water bodies. Litter such as plastic bags, six-pack rings, bottles, and cigarette butts wash into lakes, streams, rivers, and the ocean, and can choke or suffocate aquatic life such as ducks, fish, turtles, and birds.

It contributes household hazardous wastes such as insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids to our water bodies. People (and even pets and other animals) can become sick from eating diseased fish and shellfish or ingesting polluted water.

It affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

Over the past 30 years, Rhode Islanders have invested millions of dollars to upgrade municipal wastewater treatment facilities, pre-treat industrial wastes, and eliminate sewage discharges from boats. We've made great progress in dealing with these obvious pollution sources. As a result, many of our rivers and coastal waters are now healthier than ever. But continued monitoring is showing that stormwater pollution is a more serious problem than we once thought. According to the U.S. Environmental Protection Agency, **stormwater pollution is now the major water quality problem in the United States.**

Many people assume that stormwater flows down storm drains and then to a treatment facility. Unfortunately, that is almost never the case. **Stormwater either flows directly into local waters or down storm drains, which channel it into local water bodies. The polluted runoff closes swimming beaches and fishing grounds, threatens water resources, harms natural areas, and contributes to flooding.**

A recent URI Cooperative Extension survey shows that most Rhode Islanders associate wet weather pollution with Combined Sewer Overflows (CSOs). This is a problem only in older cities such as Providence and Newport where wastewater sewers and storm drains were connected when first built. These sewers overflow with heavy rain, releasing a mix of stormwater and raw sewage that shuts down shellfishing beds. Massive retrofits of combined sewers, now underway deep beneath the streets of Providence, will eliminate 40 percent of overflows with completion of the first phase. The main benefits are expected in the upper Bay, where shellfish closures will be reduced by 50 percent. Meanwhile, stormwater pollution is a **statewide problem**, affecting every Rhode Island community.

What Is A CSO And Why Isn't It The Solution?

When the topic of stormwater surfaces, many people think of CSOs, Combined Sewer Overflows. Before we discuss that issue, we need to sort out the difference between storm drains and sanitary sewers:

Storm Drains

When rain water flows across pavement and down a storm drain, that water is almost always piped directly to the nearest stream, river, or bay. That water almost never goes to a treatment facility. As the graphic illustrates, most storm drains simply collect rain water and channel it away to prevent flooding, carrying polluted runoff to local water resources.

Sanitary Sewers

Sanitary sewers carry wastewater or "sewage" from homes and businesses through an entirely separate piping network below city streets. Manhole covers allow access for maintenance, but there are no open drains or grates. This wastewater flows to a municipal wastewater treatment facility where it is treated, and that treated effluent is discharged to local rivers and the Bay. Today, businesses are required to pre-treat their wastes before discharging into the system. And many wastewater treatment facilities are being upgraded to improve the quality of wastewater discharged to local waters.

Combined Sewers

The exception to the above are combined sewers, where the storm drain and sanitary sewers have a connection. These are a problem in older urban areas such as Providence and Newport, where the stormwater and wastewater lines were originally interconnected. As the graphic illustrates, in dry weather, both the stormwater and the sanitary waste go to a treatment facility. With small storms, the system has enough capacity to treat both the wastewater flow and the additional stormwater. But in larger storms, the pipe overflows, resulting in discharge of mixed stormwater and untreated sewage directly into rivers and the Bay. When a "combined sewer overflow" happens, parts of Narragansett Bay are temporarily closed to shellfishing.

Currently, a CSO retrofit project is underway in upper Narragansett Bay to correct this problem; it involves building subsurface tunnels to store and gradually treat the mixed stormwater and wastewater at the wastewater treatment facility. It is estimated that the project will reduce overflows by 40% after the completion of the first phase, and by 98% at the project's completion.

However, because most stormwater pollution is not channeled through a combined sewer, we have to tackle this problem through other means!

What can residents do?

Where Do I Fit In?

Once you learn about the problem of stormwater, the idea of making a difference might feel daunting. Fortunately, there are simple steps that anyone can take to control stormwater pollution.

Department of Environmental Protection (DEP) created a Stream Maintenance Booklet for residents to provide information regarding items that can be completed without DEP notification, with DEP notification, and with DEP review and permit. [Please click here to view the 10 page document.](#)

PA Department of Environmental Protection (DEP) Swimming Pool Guidelines

[Please click here for the document outlining the guidelines for disposal of residential pool water.](#) It includes the disposal and discharge of water.

Stream Health and Stormwater: Homeowner Solutions

Rain Garden/Rain Barrel Resources:

[Southwest PA Homeowner Guide to Stormwater](#)

[Stormworks](#)

[Rain Garden Alliance](#)

[Penn State Extension-Rain Garden Plants](#)

[Vermont Rain Garden Manual](#)

[Urban Waterways: Rainwater Harvesting Guidance for Homeowners](#)

Riparian Buffer Resources:

[Live Staking for Stream Restoration](#)

[PSU Extension- Riparian Buffers for Wildlife + Species List](#)

[Woods For Waters Riparian Buffer Planting Guide](#)

General Lawn Care:

[PA DCNR- Landscaping with Native Plants + Link to Species List](#)

[Xerces Society- Mid Atlantic Native Meadows](#)

Watershed Involvement

[Penn State Extension Master Watershed Steward Program, Allegheny County](#)

[Watershed Map](#)

If you missed the webinar, recordings are available at accdpa.org.

Tips For Your Yard

1. Never dump, wash, or rake anything into the path of a storm drain.
2. Sweep spilled fertilizers, grass clippings, and soil off sidewalks and driveways and back onto the lawn. Sweep, don't hose, the driveway.
3. Water wisely: the lawn is usually happy with 1 inch per week, and that includes rainwater!
4. Divert rooftop runoff to a rain barrel or onto the lawn rather than a driveway. Collected water can even be used for watering plants.
5. Reduce the amount of fertilizers and pesticides that you apply to your lawn. You'll save money, too!

Tips For Your Home

6. Never put hazardous household wastes (paint, paint thinner, oven cleaners, etc.) down storm drains, indoor drains, or the trash. These items are collected free of charge by Waste Management as part of your garbage and recycling service. For more details, navigate to "Household Hazardous Waste" under the Garbage & Recycling Services page of this website.
7. If you have a septic system, have it inspected every year, and have it pumped at least every three to five years.

Tips For Your Vehicle

8. If you change your own motor oil, recycle the used oil.

9. Wash your vehicle at a designated car wash or on grass—not in the driveway.

Tips For Your Pet

10. Scoop your dog's poop. Then throw it in the trash.

11. Don't feed waterfowl.

Two To Live By

Lists can be daunting. So we've come up with the following recommendations to use as a rule-of-thumb:

- Keep as much water as possible off of paved surfaces.
- Keep the water that does run off as clean as possible.

SWIMMING POOL GUIDELINES

**Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401**

The discharge of any sewage or industrial waste, including swimming pool water to a water of the Commonwealth without a permit is a violation of the Clean Streams Law, the Act of June 22, 1937 P.L. 1987, as amended.

It has been the Department's policy not to require permits for discharges from single residence pools provided the guidelines outlined below are followed. Local municipalities should be contacted concerning local ordinances.

These guidelines shall not be construed so as to waive or impair any rights of the Department of Environmental Protection to prosecute the property (pool) owner and/or pool company for any stream damage that occurs as a result of the discharge. Penalties would be assessed under the provisions of the Clean Streams Law.

Pool Guidelines:

A. Disposal of Water to Sanitary Sewer

1. If the municipal authority grants permission, discharging of pool backwash water, neutralized pool cleaning wastewater and standing water to the sanitary sewer system is the best environmental alternative. Care should be taken in making sure the discharge is to a sanitary sewer and not a storm sewer which would be hauled off-site for disposal at an approved treatment facility.

B. Discharge of Water

1. The following guidelines must be followed if water is not pumped or hauled to a sanitary sewer. Water should be pumped over a grassy area to allow absorption, filtration and aeration of water. The discharge should be at a rate which prevents erosion and optimizes infiltration. In no event shall pool waters be directly discharged to waters of the Commonwealth.
 - a. Standing water or accumulated rain and/or pool water from the previous season should be pumped from the top so as not to disturb settled solids. Solids on the pool bottom should not be discharged. Following pump down of water, solids should be cleaned out manually. The discharge should not raise instream temperatures by more than 2 degrees F in a one hour period or a total of 5 degrees F, pH should be between 6 and 9 standard units and total chlorine residual should be 0.0 mg/l.
 - b. Cleaning wastewaters containing muriatic acid or chlorine that is used in cleaning pool surfaces needs to be treated prior to discharge. Muriatic acid wastewater should be neutralized to a pH between 6 and 9 standard units. Chlorine rinses should stand for a period of days to allow chlorine degradation prior to discharge. Total chlorine residual of the wastewater discharge should be less than 0.5 mg/l. Temperature should be monitored as above (standing water), Chlorine rinse water pH should be between 6 and 9 standard units.
 - c. Filter backwash water during normal pool operation must be at a sufficiently low volume that all water infiltrates to the ground. Backwash water discharged to a stream or storm sewer is not permitted.

Questions concerning pool guidelines should be directed to Pennsylvania Department of Environmental Protection, Southeast Regional Office, Bureau of Water Management, Telephone: 484-250-5970.



Guidelines for Maintaining Streams in Your Community



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Bureau of Waterways Engineering and Wetlands

Guidelines for Maintaining Streams in Your Community

The Pennsylvania Department of Environmental Protection (DEP) understands the severe damage and disruption that flooding can cause to residents, businesses, and municipal governments, and the importance of prevention when possible, and rapid recovery when necessary. DEP strives to assist Pennsylvania communities by ensuring that stream work is done in an environmentally responsible manner, and in a way that reduces the likelihood of future problems.

This booklet is a simple guide to understanding what DEP requires of those who want to work in or adjacent to streams. Stream work that is not properly designed and permitted can cause conditions to worsen in the next flood event, also impacting downstream neighbors.

Whether you are a municipal official well versed in regulations or a resident experiencing flooding for the first time, this will help you figure out your next steps. When in doubt, the first step should always be to contact your regional DEP office. DEP staff are ready and willing to assist in several ways.





Green Light—Go!

Proceed—These actions do not require DEP notification, pre-approval, or permits:

- Removing non-native (manmade) material, such as litter and construction debris, from the stream, banks, and riparian areas
- Removing woody debris, such as trees, logs, or brush, from the stream while you are standing in the stream (this includes the use of hand-held equipment, such as chainsaws, but not heavy equipment)
- Removing woody debris from the stream while you are standing on the bank (this includes the use of heavy equipment, so long as it remains on the bank and is “picking out” the material and not digging into the streambed)
- Chaining or winching large woody debris and dragging it from the streambank
- Cutting trees off at the stump (keeping the stumps helps stabilize the bank)
- Cleaning out culverts
- Removing gravel and flood debris from around bridges and culverts according to the terms of your permit (contact DEP or your County Conservation District to review your permit conditions)
- Planting trees and other plants on streambanks and in riparian areas, especially native species
- Adopting or implementing stormwater management ordinances and best management practices
- Crossing the stream to access your property immediately after a flood emergency (but only if the conditions are safe)

Yellow Light—Slow Down!

Contact DEP—These actions likely require DEP notification, verbal pre-approval, emergency permits, or other permits. For projects that pose an imminent threat to life, property, or the environment, such permissions are usually readily obtained.

Call DEP before you begin:

- Rebuilding roads and bridges across streams
- Streambank stabilization projects
- Armoring streambanks with an engineered riprap design in emergency situations
- Removing gravel bars from the stream channel using heavy equipment (gravel must be safely relocated out of the floodplain to an upland area that is not a wetland)
- Repairing a bridge or culvert
- Removing a bridge or culvert in danger of failure, or in partial or complete collapse (if a bridge or culvert is no longer serviceable, it can be considered debris and removed)



Red Light—Stop!

Contact DEP—These actions definitely require permits, if allowed at all, and may require involvement of the U.S. Army Corps of Engineers or other agencies.

Call DEP before you begin:

- Redirecting the flow of a stream by reshaping gravel bars, or moving gravel to the streambank
- Armoring streambanks with concrete, construction debris, and other impervious materials
- Moving (relocating) a stream
- Dredging streams
- Creating dikes
- Damming streams
- Building a new bridge or culvert





Myth vs. Reality

Myth: DEP will arrest me if I do anything in the stream.

Reality: DEP does not arrest people. DEP can issue violations and fines. However, DEP's goal is to work with you to achieve your goals in a way that follows regulations. If ever in doubt, call DEP first to start the conversation. We can help you figure out your next steps.

Myth: Dredging the stream will eliminate flooding.

Reality: Dredging destabilizes the stream channel and alters the volume, speed, and direction of the stream flow, often in unpredictable ways. Unintended consequences of dredging can include: rapid sediment deposition in the channel, causing more damage and flooding immediately downstream; destroying streambanks and accelerating erosion and sedimentation; and disrupting or destroying the aquatic habitat and food chain.

Myth: The stream used to be over there, so that's where it belongs. The flood moved it. We should put it back.

Reality: Streams naturally move over time and will always seek to reconnect with their floodplains, no matter how much we alter them. The natural shape of a stream channel is often braided or meandering. All streams move sediment during storm events. A stream that is straight and channelized will move faster, causing increased erosion and damage; this is an unhealthy stream and will not stay that way in the long-term.

Myth: DEP won't let us do routine maintenance.

Reality: Conducting routine maintenance is required under



many DEP permits for structures in the stream, such as bridges and culverts. If done properly, routine maintenance will reduce the buildup of debris after large storm events.

Myth: DEP won't give me a permit, it will take too long, or it will cost too much.

Reality: The activities in the "Green" category do not require any DEP involvement. Most of the activities in the "Yellow" category can be approved or permitted quickly with little cost. Following flooding events, DEP, working with our federal counterparts, has issued numerous Emergency Permits to alleviate an imminent threat to life, property, or the environment. Work done under these permits includes bank stabilization and debris and sediment removal from stream channels at bridges, culverts, and other infrastructure.

Myth: DEP just doesn't want anyone to touch the streams.

Reality: DEP recognizes that well-designed stream restoration projects can improve the stream channel's ability to transport sediment and maintain its natural capacity, making the stream more resilient to future flooding and less likely to cause property damage. DEP has funded more than 1,000 stream improvement projects through its Stream Improvement Program, and has permitted thousands more that have been carried out by others, such as Conservation Districts, non-profit organizations, municipal governments, and landowners. DEP also has one of the most extensive flood protection and flood control programs in the nation.

Good Rules of Thumb

- You are not alone! Your County Conservation District is a tremendous resource for guidance when working in the stream. Watershed organizations and other non-profit groups in your community may have access to technical assistance, grants, and loans to finance your stream stabilization project.
- Maintain bridges and culverts so that they work as planned when flooding occurs. Proper operation and maintenance of existing, permitted structures may reduce flooding damage. Without periodic operation and maintenance of these structures to maintain free-flowing passage, conditions often worsen.
- Removing debris from the stream channel should generally be done in a way that avoids altering the stream channel or banks, including vegetation.
- Root systems hold soil in place and keep it from eroding. Riparian buffers (trees and vegetation) in the floodplain help to absorb and slow down flood waters. Keeping vegetation intact and increasing vegetative cover, especially trees, is the best way to reduce erosion of streambanks and loss of property in the long term. A simple first step is to stop mowing streambanks.
- If your home is in the floodplain and you've experienced repeated flooding, contact your municipal or county government for assistance. Money for mitigation activities, such as elevating utilities or your home, or for floodplain buy-outs may be available.
- When a bridge or culvert is repeatedly washed out, it may be too small or improperly placed. Consider working with an engineer to design a structure that will be resilient to future flooding events, which may occur more frequently as land in your watershed is developed (which reduces stormwater infiltration) and as climate and weather patterns change.
- Keep structures/materials away from the top of the streambank, including the materials you remove from the stream. These all can become debris during a flood event.
- Never drive through standing or flowing water.



**Remember:
When in Doubt,
Call DEP!**



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DEPARTMENT OF ENVIRONMENTAL
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Find your DEP Regional Office here:

<http://www.dep.pa.gov/About/Regional/Pages/default.aspx>

Visit the DEP website at <http://www.dep.pa.gov>

for more information about relevant permits and programs.

PA Department of Environmental Protection Regional Offices

Northwest (Meadville) Regional Office

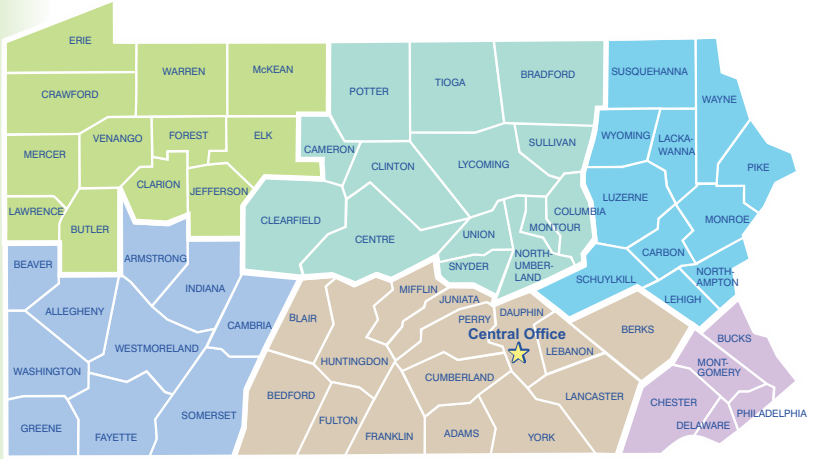
230 Chestnut St.
Meadville, PA 16335-3481
Telephone: 814.332.6945

North-central (Williamsport) Regional Office

208 W. 3rd St., Suite 101
Williamsport, PA 17701-6448
Telephone: 570.327.3636

Northeast (Wilkes-Barre) Regional Office

2 Public Square
Wilkes-Barre, PA 18701-1915
Telephone: 570.826.2511



Southwest (Pittsburgh) Regional Office

400 Waterfront Dr.
Pittsburgh, PA 15222-4745
Telephone: 412.442.4000

South-central (Harrisburg) Regional Office

909 Elmerton Ave.
Harrisburg, PA 17110-8200
Telephone: 717.705.4700

Southeast (Norristown) Regional Office

2 East Main St.
Norristown, PA 19401
Telephone: 484.250.5900

Notes



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DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Bureau of Waterways Engineering and Wetlands

**OUTFALL SCREENING
RESULTS**



MEMO

846 Fourth Avenue, Coraopolis, PA 15108
(412) 264-4400 • (412) 264-1200 Fax

TO: Erin Huber, Manager
COMPANY: Borough of Bradford Woods
FROM: Kevin A. Brett, P.E.
John W. Valinsky, E.I.T.
SUBJECT: **Year 5 MS4 Outfall
Screening
Bradford Woods Borough**

DATE: July 29, 2022
S. O. NO.: 0268-011
cc: Jake Turner, Public Works
MS4 File (MCM #3)

The purpose of this memo is to list the findings of MS4 screening during Permit Year 5 in Bradford Woods Borough.

OVERALL TESTING STATISTICS

Total outfalls mapped = 52
20% tested in 2022 (MS4 Year 5) = 10
Total MS4 Year 5 outfalls with flow = 3
Total MS4 Year 5 outfalls without flow = 7
Total outfalls tested to date = 52

YEAR 5 FINDINGS

There were no new outfalls with flow in the MS4 Year 5.

ANNUAL WET TESTING

The following outfalls identified during the screening in previous permit years contain continuous dry weather flow and are screened annually. Year 5 screening results for these outfalls are as follows:

Outfall 009 – 5 pH; 0.25 ppm Detergents
Outfall 060 – 6 pH; 0.2 mg/L Chlorine; 0.25 mg/L Ammonia-Nitrogen; 0.25 ppm Detergents
Outfall 063 – 6 pH; 0.25 ppm Detergents

YEAR 5 MAINTENANCE OBSERVATIONS

All outfalls should be visited each year to ensure a clear right-of-way for access. Brush should be removed as needed. Additionally, below are maintenance related observations, which were made during field sampling. The following maintenance items should be placed on a schedule to be addressed:

Outfall 003 – Outfall could not be located; appears to be buried

Outfall 004 – Outfall could not be located; appears to be buried

Outfall 011 – Outfall is partially buried in sediment

Outfall 059OP – Outfall could not be located; appears to be buried

Outfall 079OP – Invert of pipe is corroded

YEAR 5 FOLLOW-UP RECOMMENDATIONS

1. All outfalls with dry weather flow present should be reviewed, via surface review or CCTV survey as appropriate, to determine source of flow. If source of flow cannot be determined, informational material regarding illicit discharges should be provided to properties in the vicinity of Outfalls 009, 060 and 063 as measurable concentrations of detergents and/or chlorine were present at these locations during outfall screening.
2. Outfalls 003, 004, and 059OP should be located, cleared of surrounding vegetation, drainage channel established, and properly marked by a green reflective post.
3. Outfall 011 should be cleaned out and drainage channel re-established.
4. The Borough should review the condition of Outfall 079OP and complete repairs as deemed necessary.

Once follow-up has been completed, proper documentation, including narrative and photographic evidence, must be provided and properly filed for submission in the Annual Progress Report.

Attachments:

1. **MS4 Year 5 Field Sample/Test Sheets**
2. **MS4 Progress Report - Year 5**

KAB/JWV:als



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 8:26 AM	Outfall ID No.: 003
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other: Location Description: <u>Off of Crystal Springs Rd</u>	Latitude: <u>40</u> ° <u>38</u> ' <u>26.139</u> "
	Longitude: <u>80</u> ° <u>5</u> ' <u>20.061</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
Inspector Name(s): RM RF	Amount of Previous Precipitation: 1.81 in
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>12</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

buried

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3



Photo 4



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 8:37 AM	Outfall ID No.: 004
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40</u> ° <u>38</u> ' <u>28.814</u> "
	Longitude: <u>80</u> ° <u>5</u> ' <u>17.674</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
Location Description: <u>Off of Crystal Springs Rd</u>	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

buried or fenced in

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3



Photo 4



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 9:08 AM	Outfall ID No.: 009
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40</u> ° <u>38</u> ' <u>16.857</u> "
	Longitude: <u>80</u> ° <u>4</u> ' <u>24.536</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/11
Location Description: <u>Across from 718 Coolidge Rd</u>	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>18</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.
brown

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: 1)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	.141	GPM	Fecal Coliform		No./100 mL
pH	5	S.U.	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS		mg/L
Other: Temperature	57	°F	Oil and Grease		mg/L
Other: Detergents	.25	ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

Pipe is crushed and full of sediment

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name

Signature

Telephone No.

Date

Photo 1



Photo 2



Photo 3

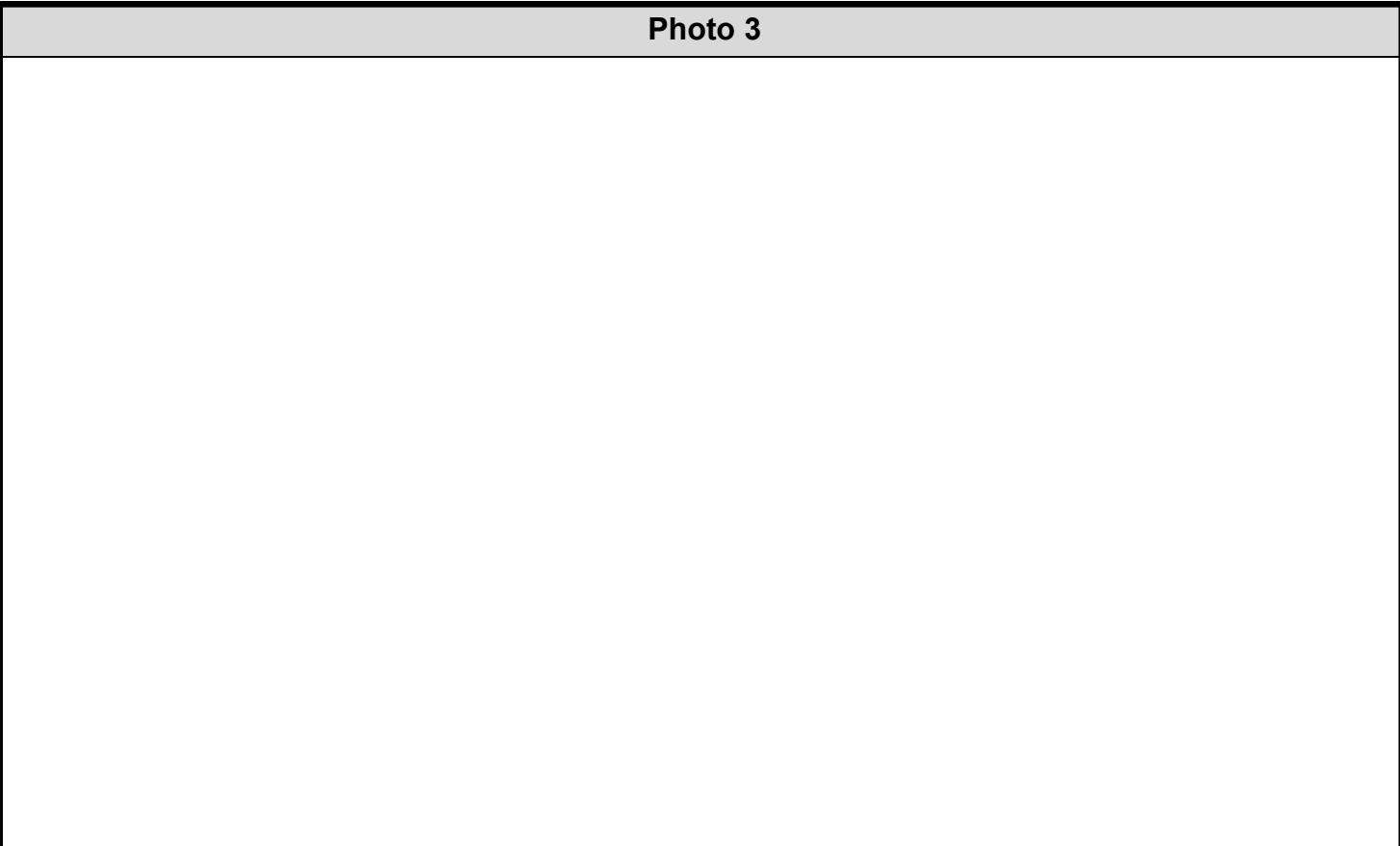
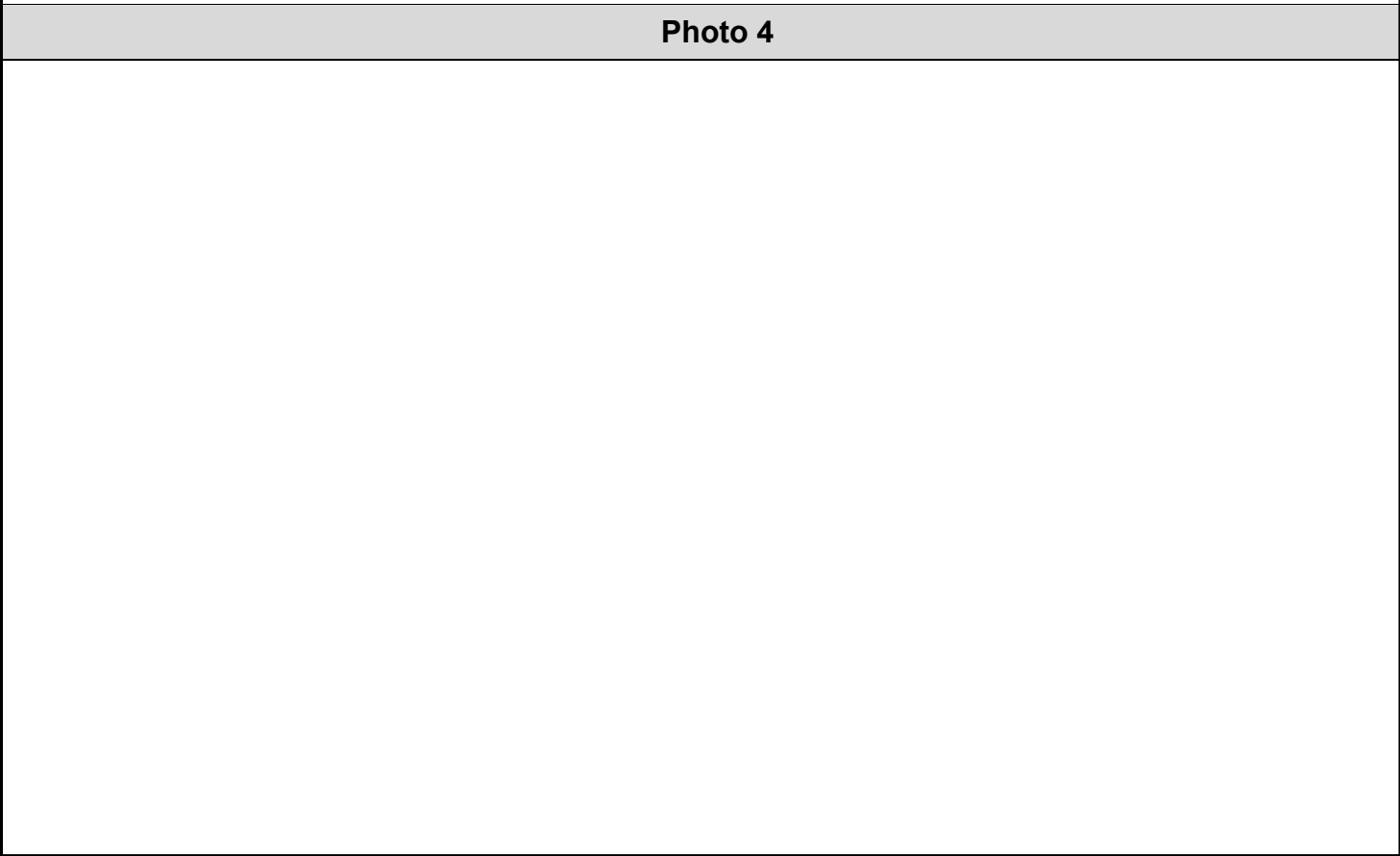


Photo 4





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 8:42 AM	Outfall ID No.: 011
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40</u> ° <u>38</u> ' <u>27.234</u> "
	Longitude: <u>80</u> ° <u>5</u> ' <u>2.559</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
Location Description: <u>Across from 207 Oak Grove Rd</u>	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>12</u> in	<input type="checkbox"/> In Water <input checked="" type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

buried

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3

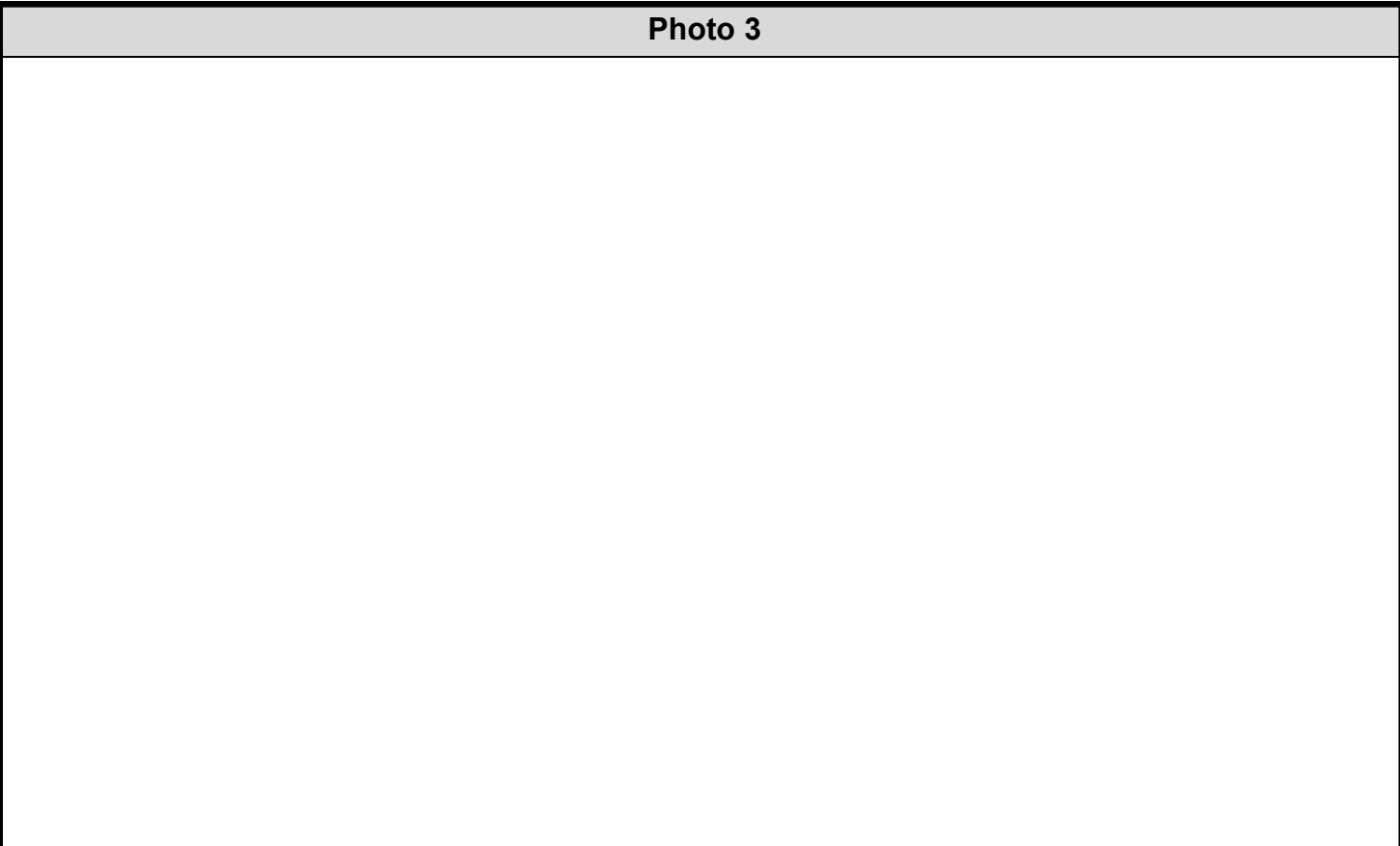
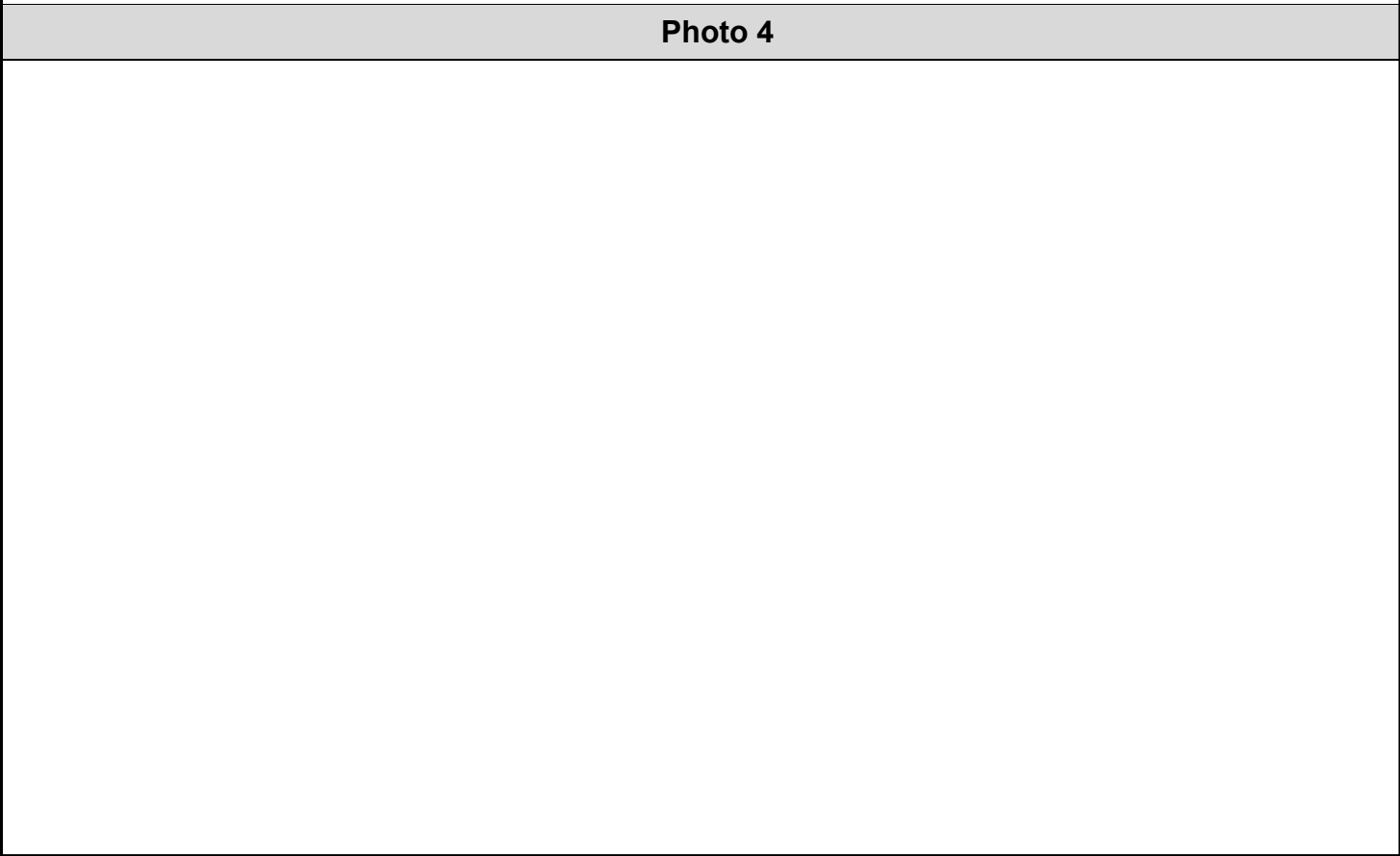


Photo 4





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 7:42 AM	Outfall ID No.: 059OP
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40</u> ° <u>38</u> ' <u>9.913</u> "
	Longitude: <u>80</u> ° <u>5</u> ' <u>35.436</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
Location Description: <u>Meetinghouse Ln cul-de-sac</u>	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
 If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

appears to be buried. measurements for pipe not exact above

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3



Photo 4



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 7:59 AM	Outfall ID No.: 060
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40</u> ° <u>38</u> ' <u>5.676</u> "
	Longitude: <u>80</u> ° <u>5</u> ' <u>19.579</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
	Amount of Previous Precipitation: 1.81 in
Location Description: <u>96 Seldom Seen Rd</u>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Inspector Name(s): RM RF	

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.
water is dirty/murky

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
 If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
 If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: 1)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	.844	GPM	Fecal Coliform		No./100 mL
pH	6	S.U.	COD		mg/L
Total Residual Chlorine (TRC)	.2	mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen	.25	mg/L	TDS		mg/L
Other: Temperature	57	°F	Oil and Grease		mg/L
Other: Detergents	.25	ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name

Signature

Telephone No.

Date

Photo 1



Photo 2



Photo 3

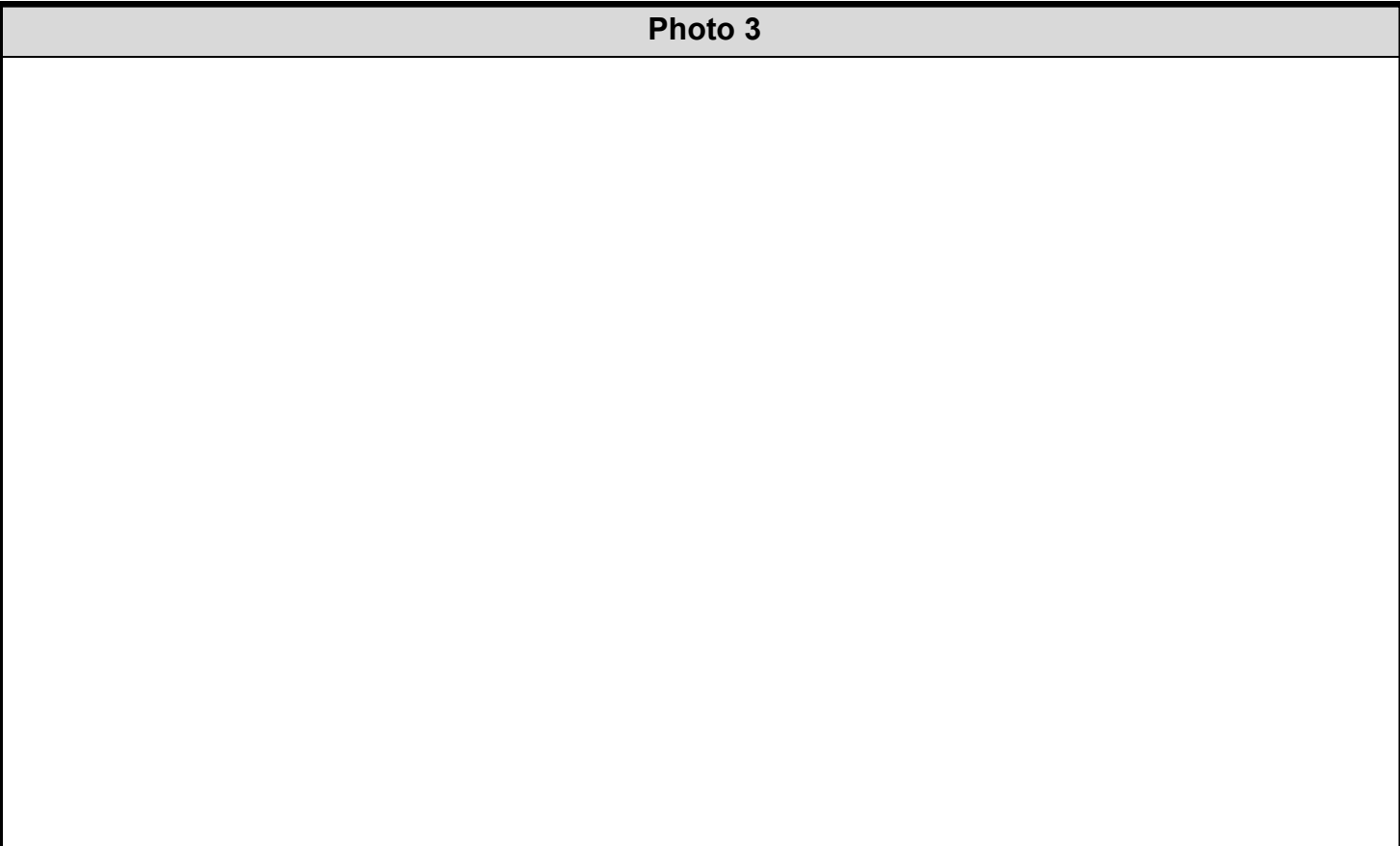
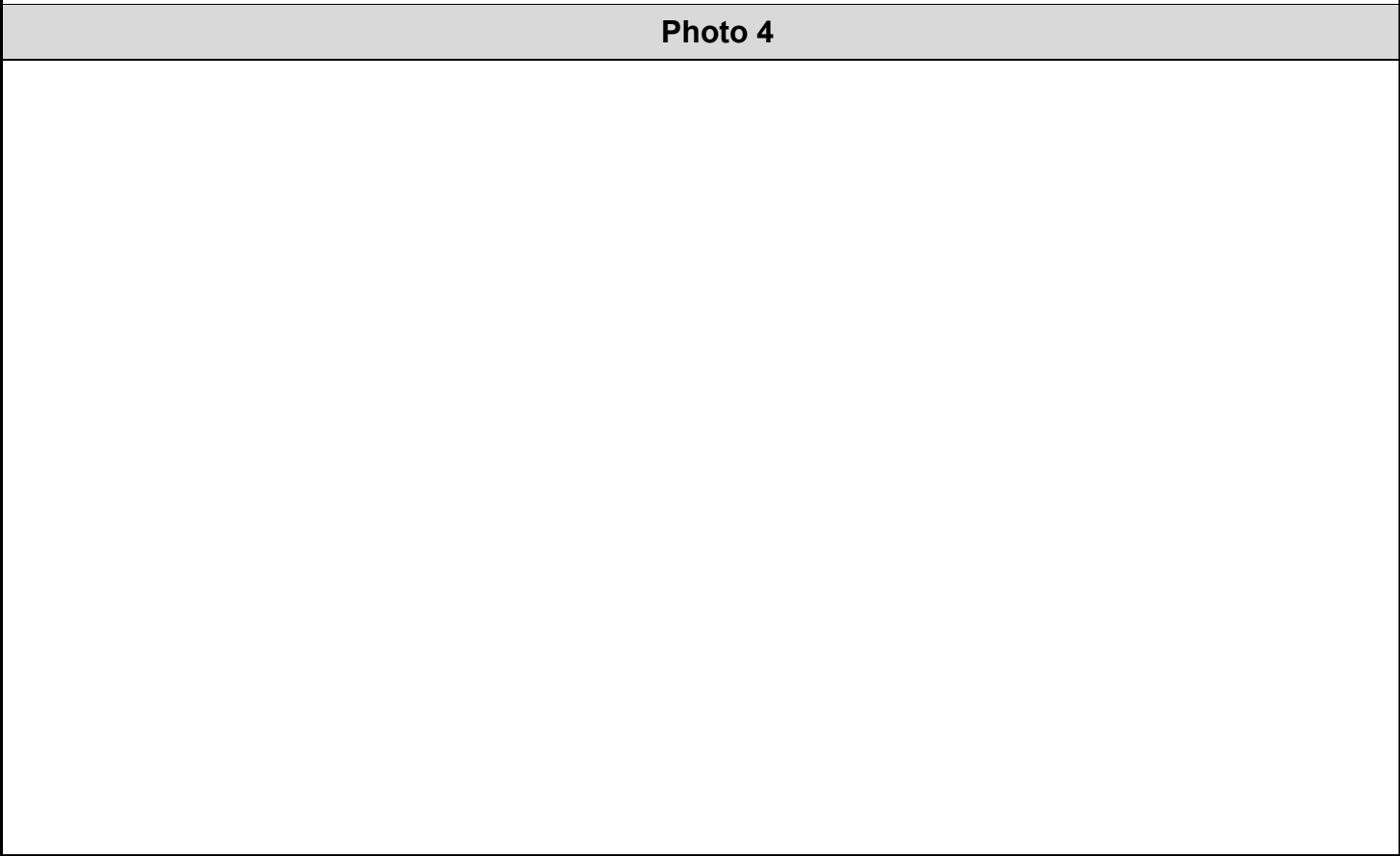


Photo 4





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 9:19 AM	Outfall ID No.: 063
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40</u> ° <u>37</u> ' <u>58.774</u> "
	Longitude: <u>80</u> ° <u>4</u> ' <u>15.029</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
Location Description: <u>Across from 100 Burry rd</u>	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>12</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: 1)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	.422	GPM	Fecal Coliform		No./100 mL
pH	6	S.U.	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS		mg/L
Other: Temperature	56	°F	Oil and Grease		mg/L
Other: Detergents	.25	ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3

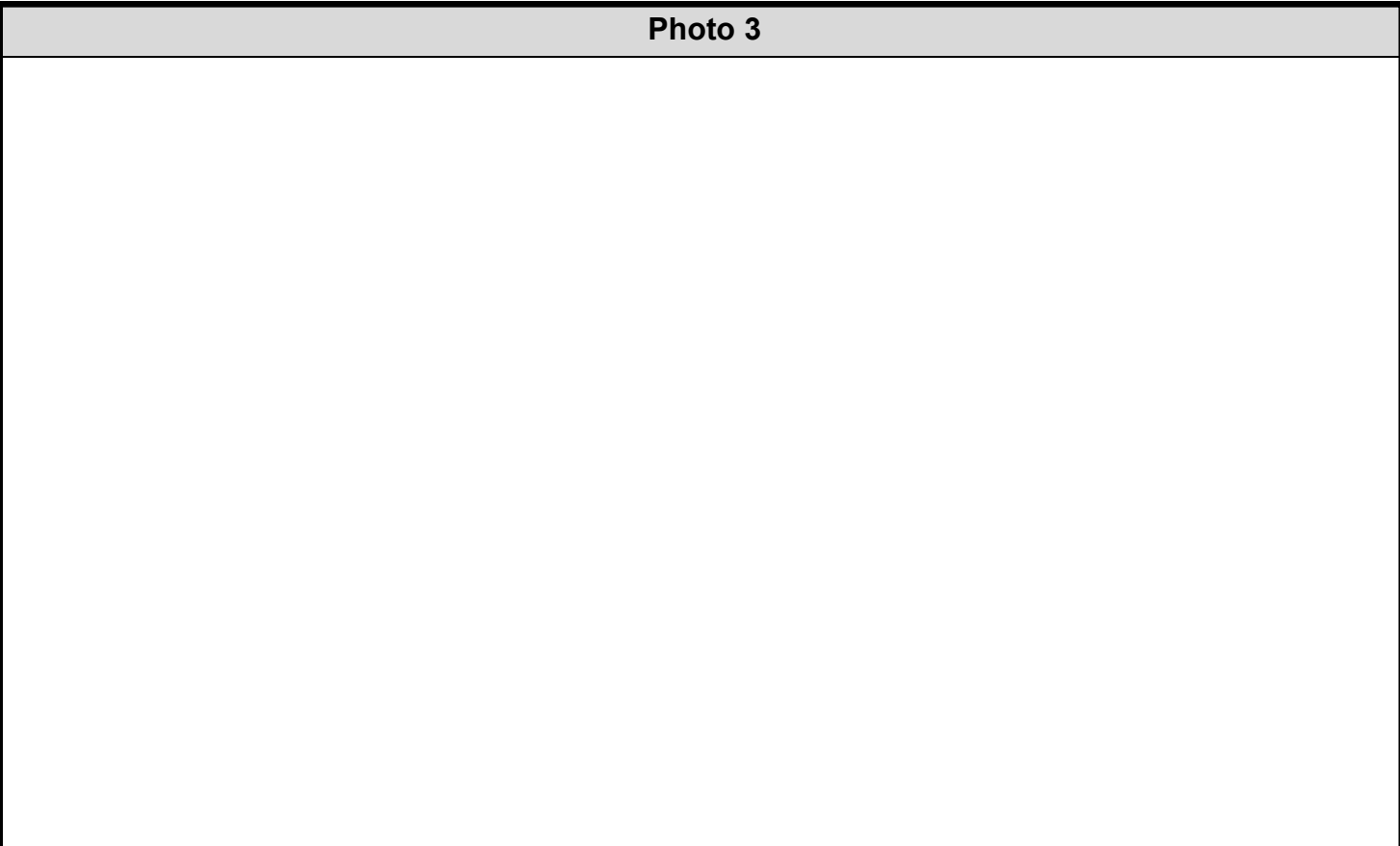
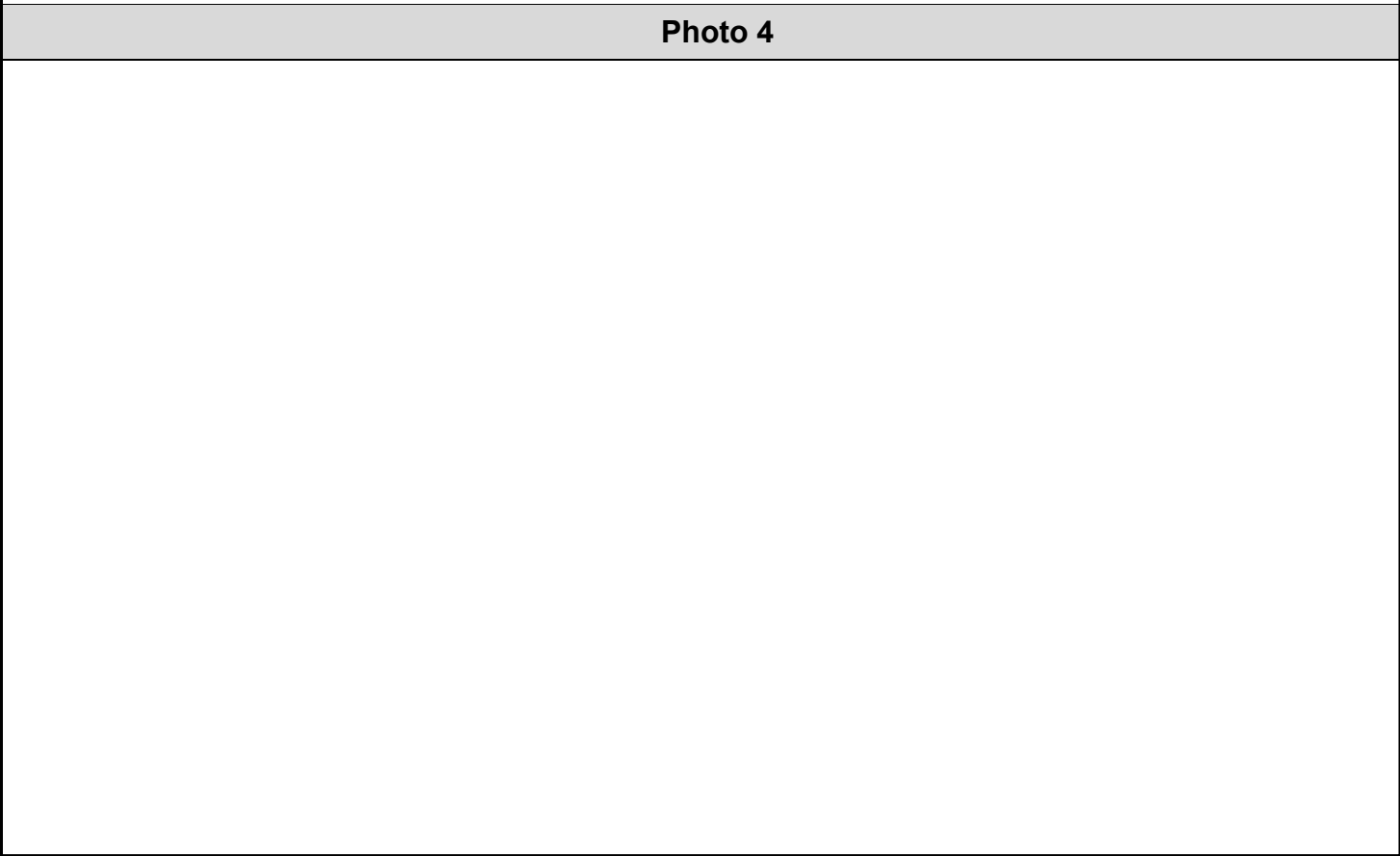


Photo 4





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 7:30 AM	Outfall ID No.: 079OP
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other: Location Description: <u>Off of Commons Drive</u>	Latitude: <u>40</u> ° <u>38</u> ' <u>12.546</u> "
	Longitude: <u>80</u> ° <u>5</u> ' <u>32.044</u> "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>30</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

erosion, pipe corroded

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3

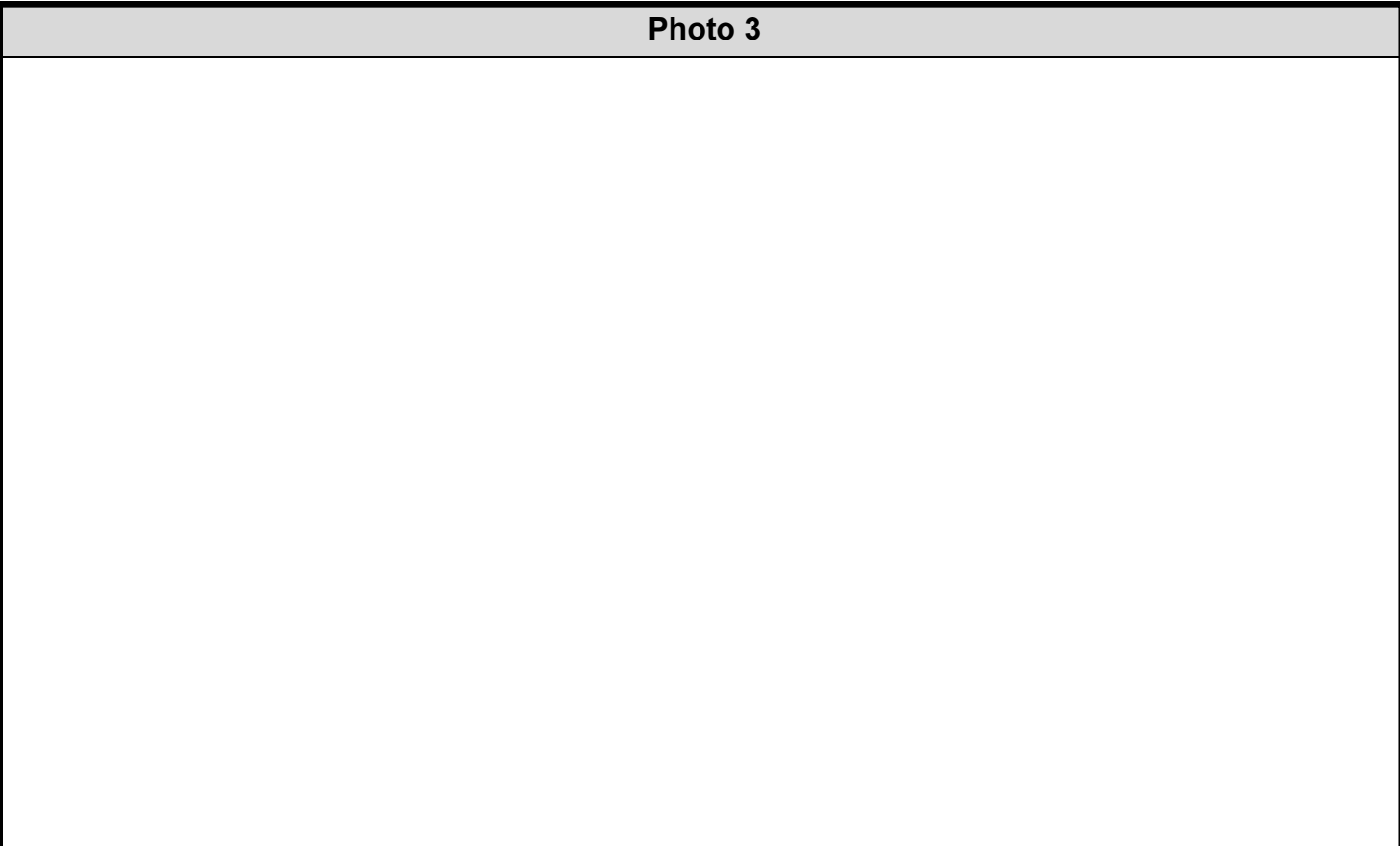
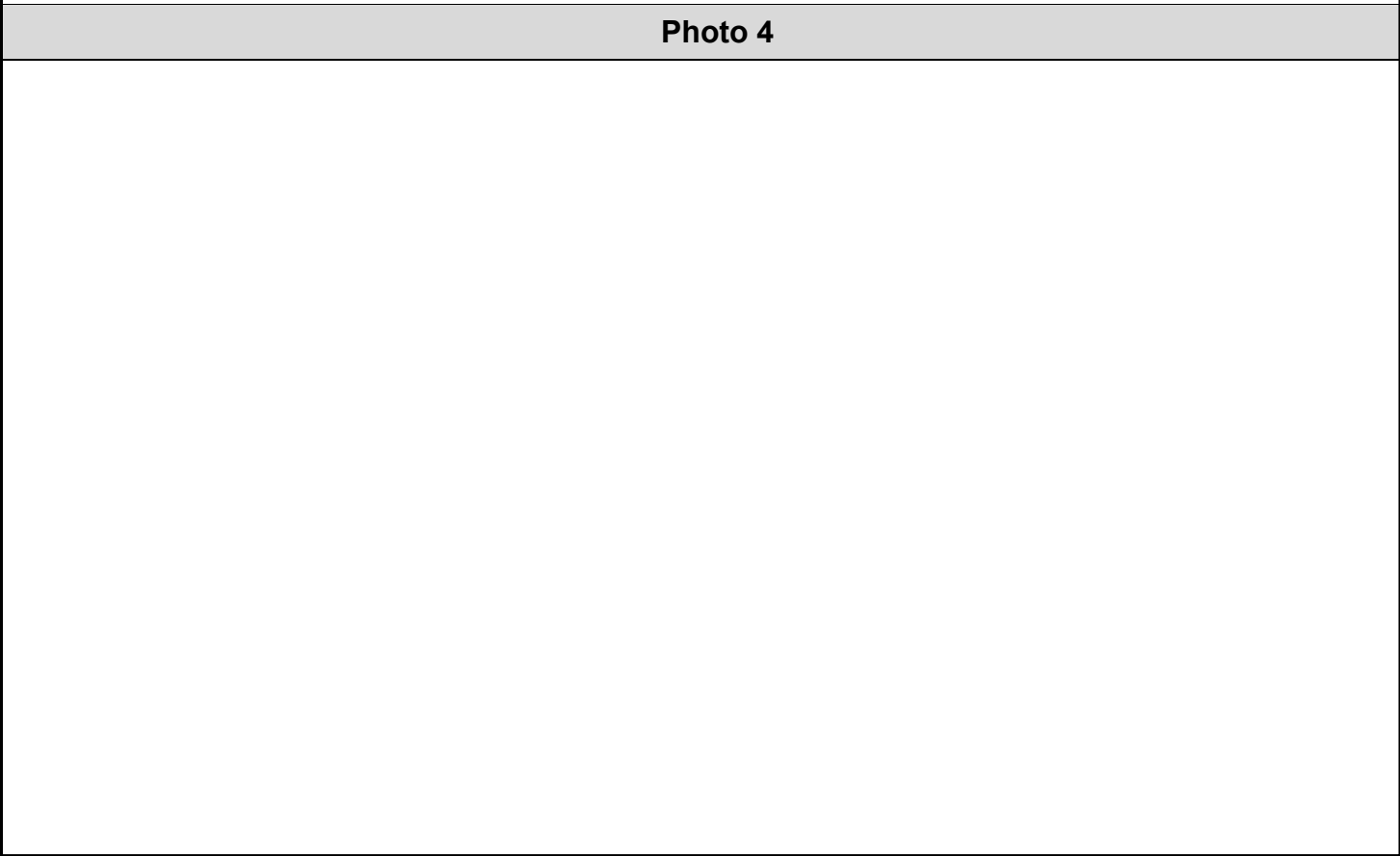


Photo 4





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 7:36 AM	Outfall ID No.: 0800P
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: 40 ° 38 ' 12.442 "
	Longitude: 80 ° 5 ' 33.329 "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
	Amount of Previous Precipitation: 1.81 in
Location Description: <u>Off of Commons Dr</u>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Inspector Name(s): RM RF	

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>30</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

Inspector Comments:

GENERAL COMMENTS

RESPONSIBLE OFFICIAL CERTIFICATION

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Responsible Official Name _____ Signature _____

Telephone No. _____ Date _____

Photo 1



Photo 2



Photo 3

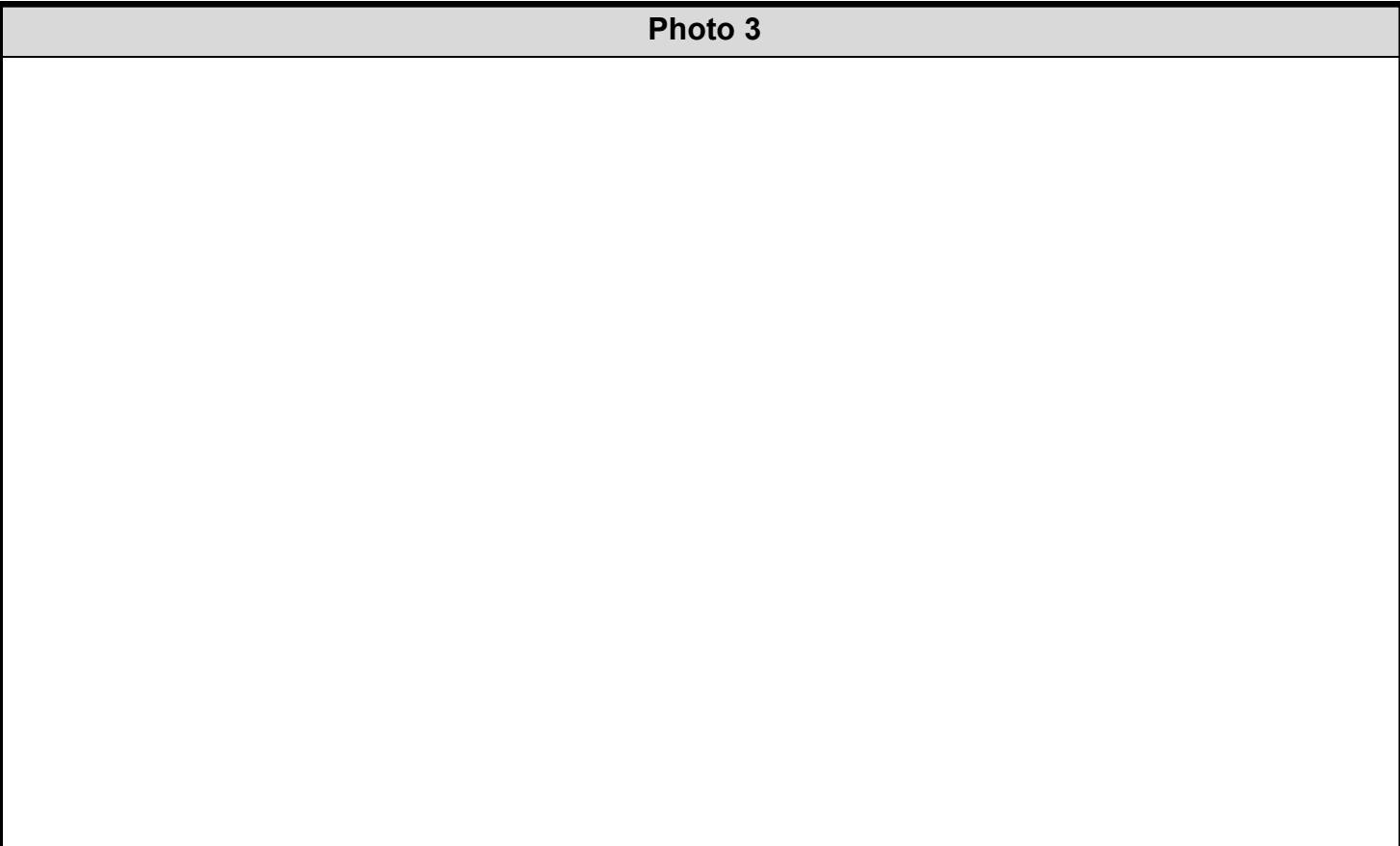
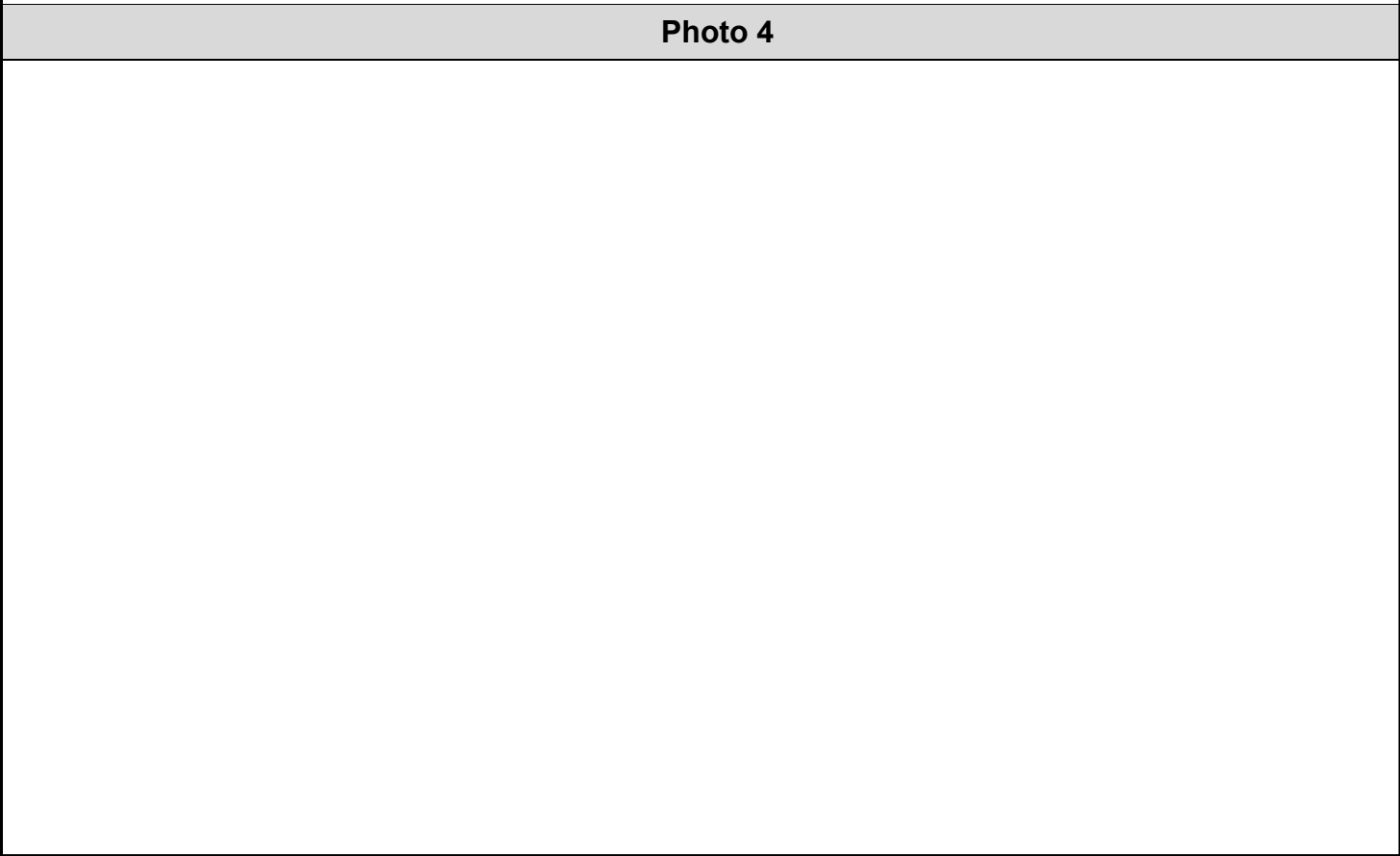


Photo 4





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Bradford Woods Borough 268-011	NPDES Permit No.: PA PAG136263
Date of Inspection: 2022/05/11 7:15 AM	Outfall ID No.: 0810P
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: 40 ° 38 ' 13.526 "
	Longitude: 80 ° 5 ' 33.359 "
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 2022/05/07
Location Description: <u>Intersection of Mystic Harbor and Commons Dr</u>	Amount of Previous Precipitation: 1.81 in
Inspector Name(s): RM RF	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>18</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
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Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Temperature		°F	Oil and Grease		mg/L
Other: Detergents		ppm	Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No
If Yes, describe efforts 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 discharge.

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GENERAL COMMENTS

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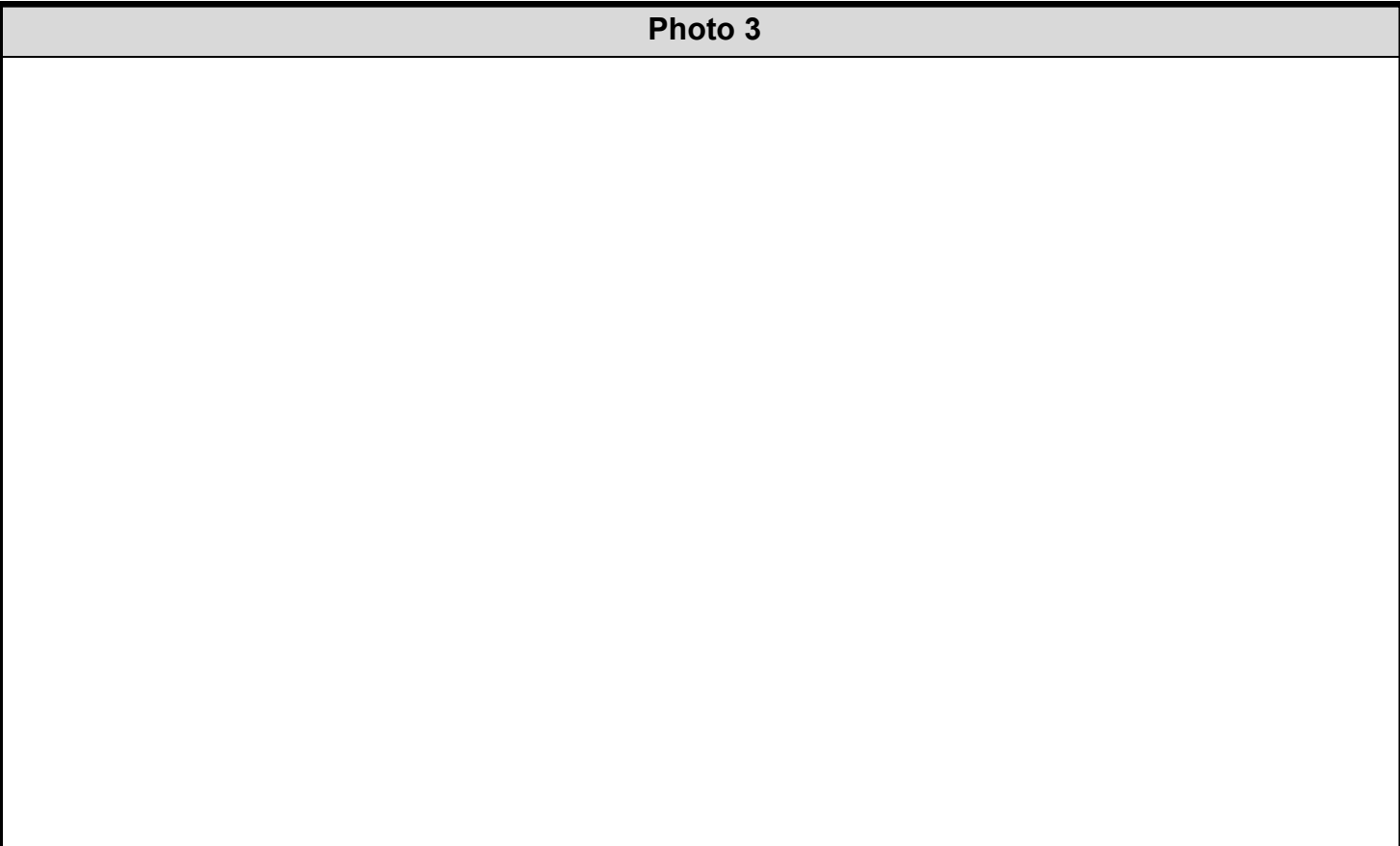
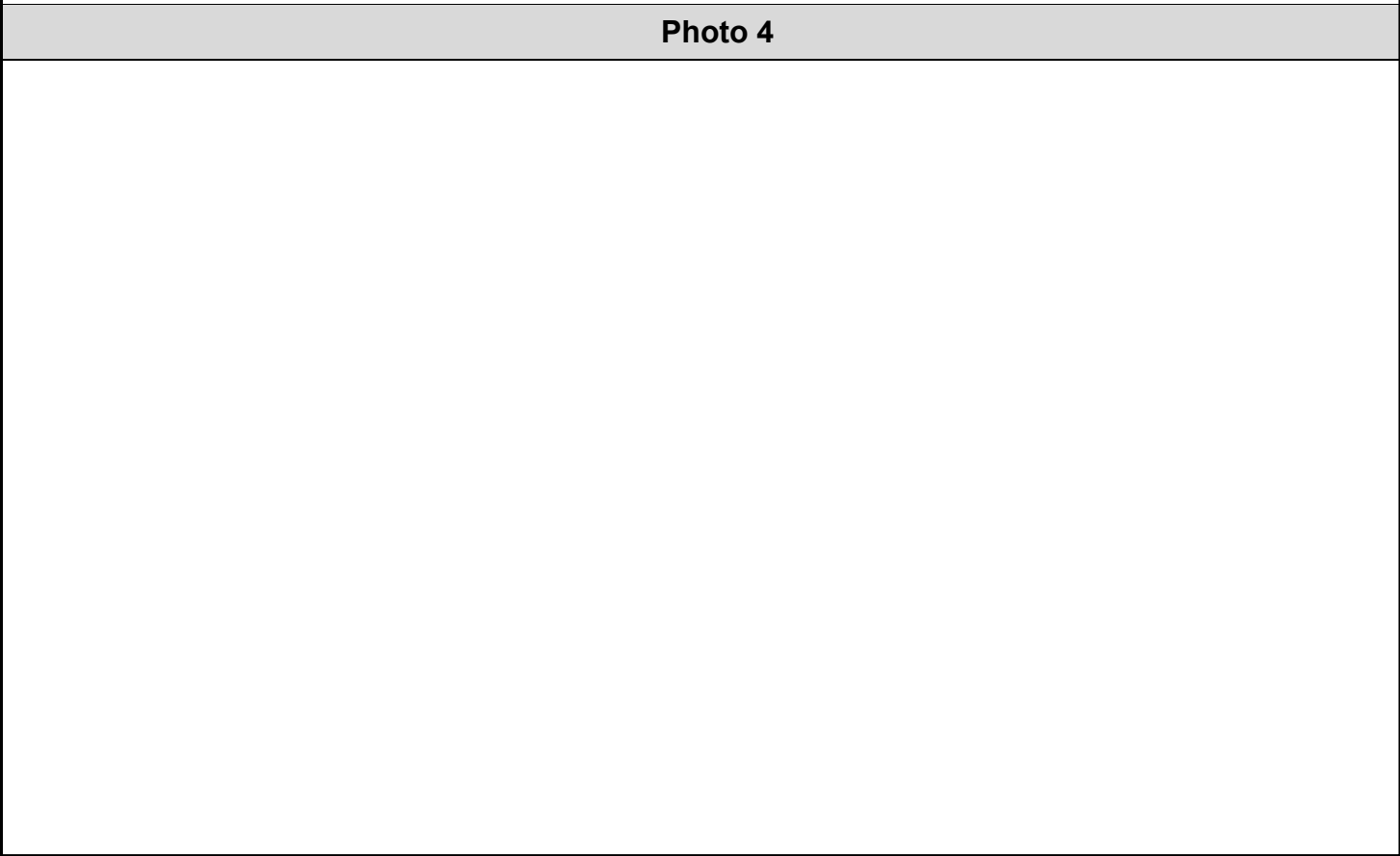


Photo 4



MS4 PROGRESS REPORT MAP

MS4 Progress Report

Bradford Woods Borough

P.O. Box 163

4908 Wexford Run Road

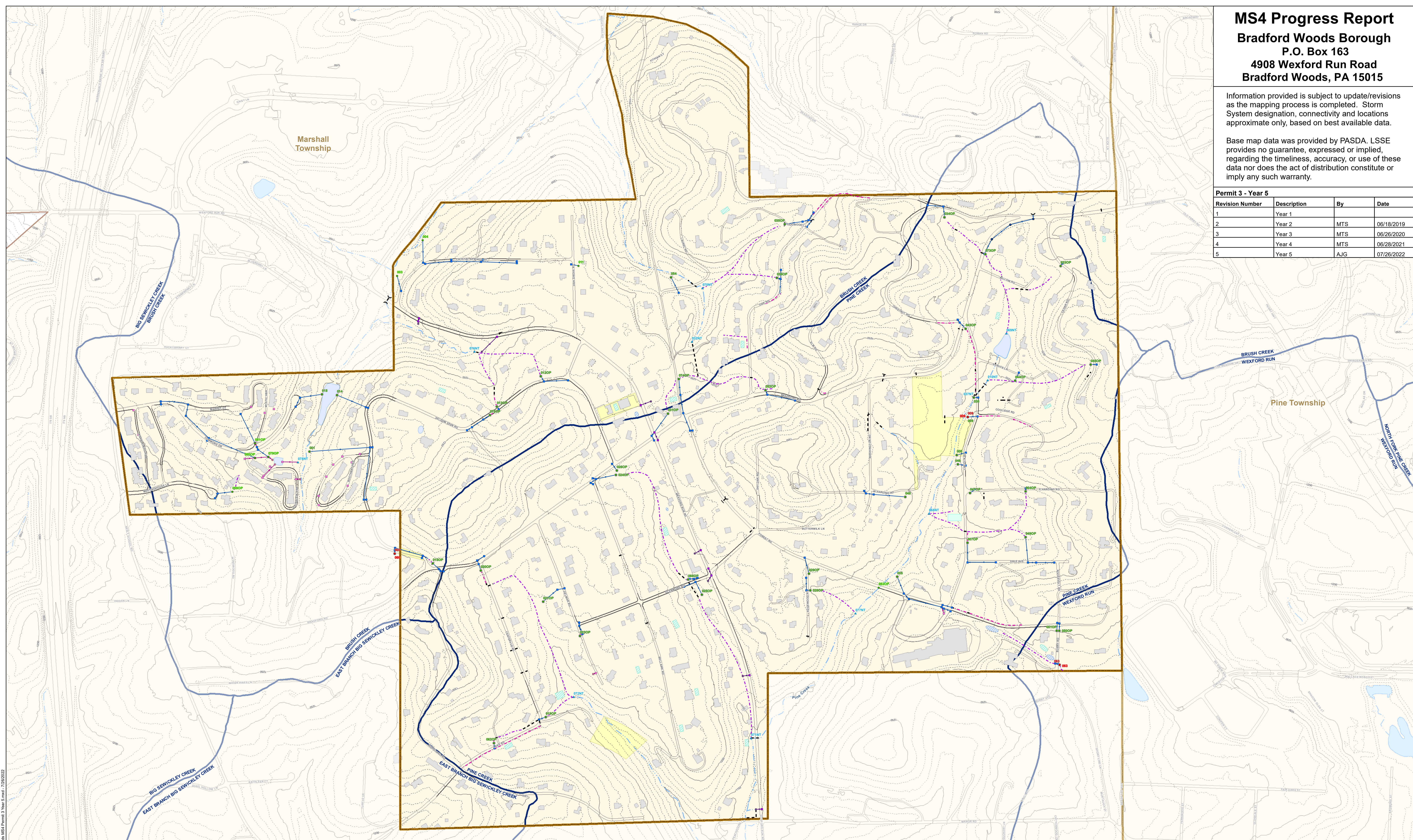
Bradford Woods, PA 15015

Information provided is subject to update/revisions as the mapping process is completed. Storm System designation, connectivity and locations approximate only, based on best available data.

Base map data was provided by PASDA. LSSE provides no guarantee, expressed or implied, regarding the timeliness, accuracy, or use of these data nor does the act of distribution constitute or imply any such warranty.

Permit 3 - Year 5

Revision Number	Description	By	Date
1	Year 1		
2	Year 2	MTS	06/18/2019
3	Year 3	MTS	06/28/2020
4	Year 4	MTS	06/28/2021
5	Year 5	AJG	07/26/2022



LSSE
Civil Engineers and Surveyors

846 4th Avenue
Coropolis, Pennsylvania 15108
Phone: 412-264-4400
Fax: 412-264-1200
Email: info@lsse.com

Non-Test Outfall: Inaccessible, located on private property or infrastructure owned by others. Outfall screening conducted at upstream observation permits.

<p>Current Storm Outfall Testing Results</p> <ul style="list-style-type: none"> ● Negative ● Positive <p>Prior Storm Outfall Testing Results</p> <ul style="list-style-type: none"> ● Negative ● Positive 	<p>Storm Outfalls</p> <ul style="list-style-type: none"> ● Municipal ● Municipal Observation Point (OP) ● Municipal Non-Test (NT) ● State ● Private 	<p>Storm Inlets</p> <ul style="list-style-type: none"> ● Municipal ● State ● Private <p>Storm Manholes</p> <ul style="list-style-type: none"> ● Municipal ● Private <p>Headwall/Endwall</p> <ul style="list-style-type: none"> ~ Winged - Straight 	<p>Storm Sewers</p> <ul style="list-style-type: none"> — Municipal — State — Private <p>--- Culvert</p> <p>— Curb</p> <p>— Pavement</p> <p>--- Natural Channel</p> <p>--- Swale</p>	<p>PCSM BMPs</p> <ul style="list-style-type: none"> ● Private Stormwater Pond ● Private Detention Tank ● Private Rain Garden ● Private Detention Sump 	<ul style="list-style-type: none"> ■ Municipal Boundary ■ Municipal Site ■ Watersheds ■ Urban Areas <p>Contours</p> <ul style="list-style-type: none"> ~ Index (50') ~ Intermediate (10')
---	---	--	---	--	--

North Arrow

Scale: 0 150 300 600 feet

1 inch = 300 feet

Path: N:\PROJ\2020\11\MS4 Map\Bradford Woods MS4 Permit 3 Year 5.mxd - 7/26/2022

PRP/ TMDL PLAN FINAL
REPORT



POLLUTANT REDUCTION PLAN (PRP) / TMDL PLAN FINAL REPORT

Before completing this report please review the instructions, which are located within the Annual MS4 Status Report Instructions (3800-FM-BCW0491)

PRP / TMDL PLAN SUMMARY

Permittee Name: Borough of Bradford Woods Permit No.: PA

PRP TMDL Plan Combined PRP / TMDL Plan

Plan Approval Date: 3/18/2019 Required Completion Date: 3/16/2023

Joint Plan? Yes No *If Yes, identify all participating permittees as an attachment to this report*

Surface Waters Addressed by Plan: Pine Creek-North Park Lake

Permittee's Planning Area (acres): 233 Total Planning Area (Joint Plans): _____ acres

Pollutant Load Reduction Calculation Methodology:

Simplified Method Mapshed ModelMyWatershed Other:

	TSS		TN		TP
Baseline Pollutant Load – Planning Area	130423	lbs/yr	lbs/yr		lbs/yr
Pollutant Load Reduction Requirement (%)	10	%	%		%
Pollutant Load Reduction Requirement (lbs/yr)	13043	lbs/yr	lbs/yr		lbs/yr
WLA Reduction Requirement (<i>TMDL Plan only</i>)		lbs/yr	lbs/yr		lbs/yr

BMP IMPLEMENTATION

BMP Type	No. of BMPs	Pollutant Load Reductions Achieved (Credit)		
		TSS	TN	TP
Structural BMPs		lbs/yr	lbs/yr	lbs/yr
Non-Structural BMPs		lbs/yr	lbs/yr	lbs/yr
Total		lbs/yr	lbs/yr	lbs/yr

Pollutant Load Reductions are documented on the following attachments:

- Attachment A – Infiltration BMPs No.: _____
- Attachment B – BMP Retrofits No.: _____
- Attachment C – Stream and/or Floodplain Restoration No.: _____
- Attachment D – Street Sweeping or Storm Drain Solids Removal No.: _____
- Attachment E – Tree Planting No.: _____
- Attachment F – Non-structural (Annual Practice) BMPs No.: _____
- BMP(s) have been implemented for which there are no attachments (*attach calculations*)



COMPLIANCE DETERMINATION

Were the pollutant load reduction requirements of the permit met? Yes No

If the pollutant load reduction requirements of the permit were **not met**, report the required load reductions remaining in lbs/yr and as a percentage of the total required load reduction.

	TSS		TN		TP	
Load Reduction Remaining	13043	lbs/yr		lbs/yr		lbs/yr
Percent of Required Load Reduction Remaining	10	%		%		%

If the pollutant load reduction requirements of the permit were not met, attach an explanation and provide a schedule for completing implementation of the PRP or TMDL Plan, including interim milestones.

CERTIFICATION

I certify under penalty of law that this document and all attachments were 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Rusti Null

Responsible Official Name

Borough Manager

Official Title

Rusti Null

Signature

9/27/23

Date Signed

POLLUTANT REDUCTION PLAN (PRP) / TMDL PLAN FINAL REPORT

Before completing this report please review the instructions, which are located within the Annual MS4 Status Report Instructions (3800-FM-BCW0491)

PRP / TMDL PLAN SUMMARY

Permittee Name: Borough of Bradford Woods Permit No.: PA

PRP TMDL Plan Combined PRP / TMDL Plan

Plan Approval Date: 3/18/2019 Required Completion Date: 3/16/2023

Joint Plan? Yes No *If Yes, identify all participating permittees as an attachment to this report*

Surface Waters Addressed by Plan: Brush Creek

Permittee's Planning Area (acres): 545 Total Planning Area (Joint Plans): _____ acres

Pollutant Load Reduction Calculation Methodology:

Simplified Method Mapshed ModelMyWatershed Other:

	TSS		TN		TP
Baseline Pollutant Load – Planning Area	84113	lbs/yr	lbs/yr		lbs/yr
Pollutant Load Reduction Requirement (%)	10	%	%		%
Pollutant Load Reduction Requirement (lbs/yr)	8412	lbs/yr	lbs/yr		lbs/yr
WLA Reduction Requirement (<i>TMDL Plan only</i>)		lbs/yr	lbs/yr		lbs/yr

BMP IMPLEMENTATION

BMP Type	No. of BMPs	Pollutant Load Reductions Achieved (Credit)		
		TSS	TN	TP
Structural BMPs		lbs/yr	lbs/yr	lbs/yr
Non-Structural BMPs		lbs/yr	lbs/yr	lbs/yr
Total		lbs/yr	lbs/yr	lbs/yr

Pollutant Load Reductions are documented on the following attachments:

- Attachment A – Infiltration BMPs No.: _____
- Attachment B – BMP Retrofits No.: _____
- Attachment C – Stream and/or Floodplain Restoration No.: _____
- Attachment D – Street Sweeping or Storm Drain Solids Removal No.: _____
- Attachment E – Tree Planting No.: _____
- Attachment F – Non-structural (Annual Practice) BMPs No.: _____
- BMP(s) have been implemented for which there are no attachments (*attach calculations*)

COMPLIANCE DETERMINATION

Were the pollutant load reduction requirements of the permit met? Yes No

If the pollutant load reduction requirements of the permit were **not met**, report the required load reductions remaining in lbs/yr and as a percentage of the total required load reduction.

	TSS		TN		TP	
Load Reduction Remaining	8412	lbs/yr		lbs/yr		lbs/yr
Percent of Required Load Reduction Remaining	10	%		%		%

If the pollutant load reduction requirements of the permit were not met, attach an explanation and provide a schedule for completing implementation of the PRP or TMDL Plan, including interim milestones.

CERTIFICATION

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Rusti Null

Responsible Official Name

Borough Manager

Official Title

Rusti Null

Signature

9/27/23

Date Signed



846 Fourth Avenue, Coraopolis, PA 15108
(412) 264-4400 • (412) 264-1200 Fax

MEMO

Pollutant Reduction Plan MS4 Status Update - Bradford Woods Borough

The purpose of this memo is to summarize the status of the Pollution Reduction Plan (PRP) for Bradford Woods Borough.

In accordance with the Borough MS4 Permit, the Borough was required to complete its PRP by March 2023 and report on the status in the 2023 Annual Progress Report. The PRP was approved with the intention of reducing the sediment loading from the Borough. The original PRP included completion of a stream restoration projects. The Borough submitted two Chapter 105 Permit Applications to PADEP; during the review process, PADEP advised that permits would not be issued for these proposed projects. Both applications were withdrawn in 2022. Since the applications were withdrew, the Borough has reviewed other potential projects to complete the PRP. Currently, the Borough is reviewing several locations for potential rain garden projects to be installed. The Borough has received a grant to construct one rain garden; this project will be completed by summer 2024. The Borough is also applying for other grant funds to construct other rain garden facilities to reach the sediment reduction goal of 22,000 lbs. of sediment per year.

Should you have any questions, please call John W. Valinsky, E.I.T. (ext. 237).