
HARRIS TOWNSHIP

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September 28, 2023

Rene Russell
PADEP – NCRO - CW
208 W. 3rd Street Suite 101
Williamsport, PA 17701

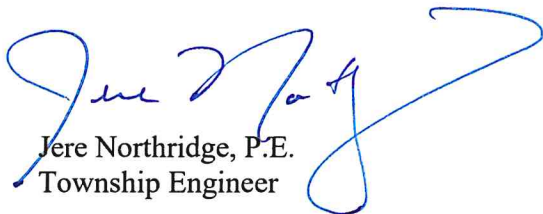
RE: NPDES II MS4 Annual Report Form
NPDES Permit # PAI134801
Harris Township, Centre County

Dear Rene:

Enclosed is an executed NPDES 2022-2023 Annual Status Report.

If you have any questions please contact me at jnorthridge@collegetownship.org or at (814) 231-3024.

Sincerely,



Jere Northridge, P.E.
Township Engineer

NPDES II

MS4

PAI 134801

2022-2023 Annual Report

Harris Township

Centre County



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD 7/1/22 TO JUNE 30, 2023

GENERAL INFORMATION					
Permittee Name:	Harris Township	NPDES Permit No.:	PAI134801		
Mailing Address:	P.O. Box 20	Effective Date:	July 1, 2020		
City, State, Zip:	Boalsburg, PA 16827	Expiration Date:	June 30, 2025		
MS4 Contact Person:	Jere Northridge, P.E.	Renewal Due Date:	December 31, 2024		
Title:	Township Engineer	Municipality:	Harris Township		
Phone:	(814) 231-3021	County:	Centre		
Email:	jnorthridge@collegetownship.org				
Co-Permittees (if applicable): <i>N/A. While a Joint PRP exists, there are no co-permittees.</i>					
Appendix(ces) that permittee is subject to (select all that apply): ☐ Appendix A ☐ Appendix B ☐ Appendix C ☒ Appendix D ☒ Appendix E ☐ Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? ☒ Yes ☐ 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?
Galbraith Gap Run	HQ	No		No	No
Cedar Run	CWF	No		No	No
Spring Creek	HQ	Yes	Siltation	No	No
Slab Cabin Run	CWF	Yes	Siltation	No	No
Roaring Run	CWF	No		No	No

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION			
Have you completed all MCM activities required by the permit for this reporting period? ☒ Yes ☐ No			
List the current entity responsible for implementing each MCM of your SWMP, along with contact name and phone number.			
MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Harris Township	J. Northridge	814.231.3024
#2 Public Involvement/Participation	Harris Township	J. Northridge	814.231.3024
#3 Illicit Discharge Detection and Elimination (IDD&E)	Harris Township	J. Northridge	814.231.3024
#4 Construction Site Storm Water Runoff Control	Harris Township & Centre County Conservation District	J. Northridge & James Coslo	814.231.3024 & 814.355.6817
#5 Post-Construction Storm Water Management in New Development and Redevelopment			
#6 Pollution Prevention / Good Housekeeping	Harris Township	J. Northridge	814.231.3024
MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS			
BMP #1: Develop, implement and maintain a written Public Education and Outreach Program. 1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage? ☐ Yes ☐ No ☒ <i>Permittee is an existing permittee, not a new permittee</i> 2. Date of latest annual review of PEOP: June 30, 2023 Were updates made? ☒ Yes ☐ No 3. What were the plans and goals for public education and outreach for the reporting period? See attached PEOP 4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period? ☒ Yes ☐ No 5. Identify specific plans and goals for public education and outreach for the upcoming year: Maintain continued compliance with the PEOP. Consider additional activities to exceed permit requirement.			
BMP #2: Develop and maintain lists of target audience groups present within the areas served by your MS4. 1. For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage? ☐ Yes ☐ No ☒ <i>Permittee is an existing permittee, not a new permittee</i> 2. Date of latest annual review of target audience lists: June 30, 2023 Were updates made? ☒ Yes ☐ No			
BMP #3: Annually publish at least one educational item on your Stormwater Management Program. 1. For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage? ☐ Yes ☐ No ☒ <i>Permittee is an existing permittee, not a new permittee</i> 2. Date of latest annual review of educational materials: June 30, 2023 Were updates made? ☒ Yes ☐ No 3. Do you have a municipal website? ☒ Yes ms4partners.org & https://www.harristownship.org/			

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

Links to pertinent agencies, educational materials, PRP, past Annual Report (see also MS4Partners.org)

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

Other outreach is listed in the PEOP beyond the website used to satisfy BMP #3.

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

The next cycle will likely include Stormy the Raincloud, Newsletter materials, Watershed Clean Up Day, CDT articles and more as evidence of satisfying the intent of MCM #1.

BMP #4: Distribute stormwater educational materials to the target audiences.

Identify the two additional methods of distributing stormwater educational materials during the previous reporting period (e.g., displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements, bill stuffers, posters, presentations, conferences, meetings, fact sheets, giveaways, or storm drain stenciling).

The CDT ad in coordination with the partners (PSU, 3/19/2023) and making Stormy the Raincloud coloring booklets available to the public satisfy the permit requirement for BMP #4

MCM #1 Comments:

Permittee and the Centre Region MS4 Partners provide a dozen opportunities for outreach & involvement in excess of the minimum required. See PEOP & PIPP for voluntary activity beyond DEP requirement.

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

BMP #1: Develop, implement and maintain a written Public Involvement and Participation Program (PIPP)

1. For new permittees only, was the PIPP developed and implemented within one year of permit coverage?

☐ Yes ☐ No ☒ *Permittee is an existing permittee, not a new permittee*

2. Date of latest annual review of PIPP: **June 30, 2023**

Were updates made? ☒ Yes ☐ No

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

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

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

**Required public hearings for ordinances or public meetings for PRPs were not required this period.
Other public meetings occurred.**

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

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

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

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

☒ Yes ☐ No If Yes, Date of Meeting or Event: **June 12, 2023**

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.

A presentation on MS4-related updates was made to the Township Supervisors.

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 permittee provided funding and for the annual Watershed Cleanup Day and a Rain Barrel Presentation. These annual events reach over 400 volunteers including students, residents, contractors, and retired adults.

MCM #2 Comments:

The PIPP details several opportunities to satisfy the minimum requirements of the permit. The permittee annually exceeds the minimum permit-required public participation.

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 ☒ *Permittee is an existing permittee, not a new permittee*

2. Date of latest annual review of IDD&E program: **June 30, 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): **Continuous Data Collection Program**

3. Total No. of Outfalls in MS4: **25** Total No. of Outfalls Mapped: **25**

4. Total No. of Observation Points: **18** Total No. of Observation Points Mapped: **18**

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): **Continuous by GIS Technician as LDPs are approved and constructed.**

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? 20
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: 20% (4)
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: **August 11, 2014**
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? ☐ Yes ☒ No
If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period? ☒ Yes ☐ No If Yes to #3, complete the table below (attach additional sheets as necessary).			
Violation Date	Nature of Violation	Responsible Party	Enforcement Taken
6/12/2023	102 / NPDES Violations	Dincher	CCCD/DEP Action Pending
8/24/2022	Release of hydrocarbon tack (paving)	GOH	DEP Clean-up Oversight

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? **The Township has "Illicit Discharges in the Spring Creek Watershed" pamphlets in the lobby and on the Website. The Township places "Illicit Discharges in the Spring Creek Watershed" in Zoning permit application packets.**

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: **August 11, 2014**

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: **(Reviewed by Centre Co Cons Dist)**

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: **(Reviewed by Centre Co Cons Dist)**

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: **(Reviewed by CCCD)**

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:

(Reviewed by CCCD)

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: **(Reviewed by CCCD)**

MCM #4 Comments:

Permittee has a Memorandum of understanding with the Centre County Conservation District concerning E&S procedures. Any construction phase concerns are forwarded to CCCD. The Township will not sign off on the Municipal Engineers Stormwater Signature block and the Township will not grant final approval until proof of approval of the NPDES permit by DEP or CCCD or E&S approval by CCCD for sites less than 1 acre and more than 5,000 sf

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: August 11, 2014
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: August 11, 2014
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.

When inconsistencies in maintenance are observed, the basin owner is contacted. Letters are maintained in the Basin Deficiency file.

*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				0 1 "	0 1 "			
2	Inventory attached.			0 1 "	0 1 "			
3				0 1 "	0 1 "			
4				0 1 "	0 1 "			
5				0 1 "	0 1 "			
6				0 1 "	0 1 "			
7				0 1 "	0 1 "			
8				0 1 "	0 1 "			
9				0 1 "	0 1 "			
10				0 1 "	0 1 "			
11				0 1 "	0 1 "			
12				0 1 "	0 1 "			
13				0 1 "	0 1 "			
14				0 1 "	0 1 "			
15				0 1 "	0 1 "			
16				0 1 "	0 1 "			

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

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

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

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

MCM #5 Comments:

MCM 5 – BMP 6 written plan is codified to Chapter 13 of the Township Code, addressing BMP requirements and inspections.

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 30, 2023**
3. When was it last updated? **June 30, 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 30, 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 30, 2023** Date of latest training: **October 18, 2022**

3. Training topics covered:

MCMs 1-6, PEOP, PIPP, IDD&E, Construction, PCSMs, O&M, Equipment Maintenance/Fueling, etc.

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

Township staff

5. Names of training attendees:

See attached sign-in sheet.

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

PCM Comments:

N/A

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
☐ Chesapeake Bay PRP (Appendix D)			
☐ Impaired Waters PRP (Appendix E)			
☐ TMDL Plan (Appendix F)			
☒ Combined Chesapeake Bay / Impaired Waters PRP	12/12/19	July 1, 2020	Chesapeake Bay
☐ 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: **State College Borough, Ferguson Township, Patton Township, PSU-UP, College Twp**

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)
☐ Chesapeake Bay PRP (Appendix D)			
☐ Impaired Waters PRP (Appendix E)			
☐ TMDL Plan (Appendix F)			
☒ Combined Chesapeake Bay / Impaired Waters PRP	48,412 per Table D.4-4 of PRP		
☐ Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: **June 30, 2025**

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

Plan re-drafted per DEP request, approved by PADEP, and a new permit has been issued effective July 1, 2020. This new permit does not impact the reporting period for this Annual Report.

No projects installed this period.

6. Anticipated activities for next reporting period.

Projects cited in PRP will be addressed through permit cycle.

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 1 "	O 1 "		☐	☐	
						O 1 "	O 1 "		☐	☐	
						O 1 "	O 1 "		☐	☐	
						O 1 "	O 1 "		☐	☐	
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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?
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CERTIFICATION

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

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

Mark Boeckel, Township Manager

Name of Responsible Official

814.466.6228

Telephone No.

Signature 

September 25, 2023

Date

CERTIFICATION

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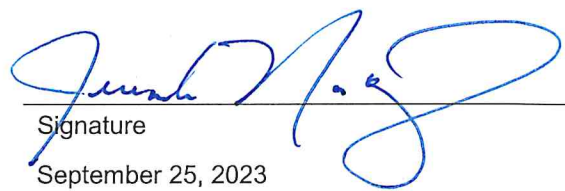
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Jeremiah Northridge, Township Engineer

Name of Responsible Official

814.231.3024

Telephone No.

Signature 

September 25, 2023

Date

Harris Township, Centre County, Pennsylvania
Public Education and Outreach Program (PEOP)

Purpose:

Harris Township understands the importance of providing stormwater educational opportunities through an outreach program. To that end, Harris Township has created this document to be the official Public Education and Outreach Program and will utilize this document to develop the Public Education and Outreach tasks for each permit year.

Requirement:	Activity to Satisfy Requirement:
1. MCM #1: Public Education and Outreach on Stormwater Impacts. (<u>25 Pa. Code § 92a.32(a)</u> and <u>40 CFR § 122.34(b)(1)</u>) The permittee shall implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. a. BMP #1: Develop, implement and maintain a written Public Education and Outreach Program. (1) For new permittees, a written Public Education and Outreach Program (PEOP) shall be developed and implemented within one year following issuance of this permit, and shall be re-evaluated each year thereafter and revised as needed. (2) For existing permittees, the existing PEOP shall be reviewed annually and revised as necessary. The permittee's PEOP shall be designed to achieve measurable improvements in the target audience's understanding of the causes and impacts of stormwater pollution and the steps they can take to prevent it.	This PEOP exists and shall be reviewed/revised annually. The most updates and revisions were made on the above-referenced date. All permit requirements are incorporated by reference.
b. BMP #2: Develop and maintain lists of target audience groups that are present within the areas served by the permittee's regulated small MS4. In most communities, the target audiences shall include residents, businesses (including commercial, industrial and retailers), developers, schools, and municipal employees. (1) For new permittees, the lists shall be developed within one year following issuance of this permit, and reviewed and updated as necessary every year thereafter. (2) For existing permittees, the lists shall continue to be reviewed and updated annually.	Identification of Target Audience: Identification of the target audience is important to the development of the Public Education and Outreach Program. The target audience we have identified are as follows: • Township Residents • Elementary, Middle, High School & Delta Students • Business Owners • Building Contractors • Commercial and Residential Developers • Land Development Design Professionals • Land Development Contractors • Township Public Work Employees To meet our educational requirements the Township will perform some of the following tasks on a yearly basis while other tasks will be performed at least once per permit cycle.

Requirement:	
c. BMP #3: The permittee shall annually publish at least one issue of a newsletter, a pamphlet, a flyer, or a website that includes general stormwater educational information, a description of the permittee's SWMP, and/or information about the permittee's stormwater management activities. The list of publications and the content of the publications must be reviewed and updated at least once during each year of permit coverage. Publications should include a list of references (or links) to refer the reader to additional information (e.g., DEP and EPA stormwater websites, and any other sources that will be helpful to readers). The permittee must implement at least one of the following alternatives: • Publish and distribute in printed form a newsletter, a pamphlet or a flyer containing information consistent with this BMP. • Publish educational and informational items including links to DEP's and EPA's stormwater websites on the permittee's website. (1) For new permittees, stormwater educational and informational items shall be produced and published in print and/or on the Internet no later than one year following issuance of this permit. (2) In subsequent years, and for existing permittees, the list of items published and the content in these items shall be reviewed, updated, and maintained annually. The permittee's publications shall contain stormwater educational information that addresses one or more of the six MCMs.	The Township meets this requirement through the publication of the ms4partners.org website. This website is reviewed annually for accuracy.
d. BMP #4: Distribute stormwater educational materials and/or information to the target audiences using a variety of distribution methods, including but not limited to: displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements (e.g., at bus and train stops/stations), bill stuffers, presentations, conferences, meetings, fact sheets, giveaways, and storm drain stenciling. All permittees shall select and utilize at least two distribution methods annually. These are in addition to BMP #3, above.	Harris Township meets this requirement through the co-sponsored newspaper publishing and provision of a coloring book starring Stormy the Raincloud.

Additional Tasks and their Target Groups are as follows. These tasks may be redundant to the additional requirements of the MS4 Permit.

- Newsletter articles. Topics may include reminder of dangers of hazardous household chemicals, reporting any suspicious items in storm system, educational article on MS4 program, and the inlet stenciling program. Other topics as may be deemed topical may be placed in the newsletter. Primary target audience: Township residents and business owners. Secondary Target Audience: Any member of the other groups that live in the Township. (Yearly)
- Maintain informational articles on Township web site. Primary Target Audience: Township residents and business owners. Secondary Target Audience: Any member of the other groups that live in the Township. (currently we have two informational stormwater articles on web site, DEP's "When it Rains it Drains" and "We wouldn't do this at home so let's not do in to our waterways".) We also have the DEP "Mobile Washing Operations" fact sheet on the website. Website articles are on continually with some rotation of articles as new articles are added to the site.
- Financially support the annual Watershed Clean Up Day held in April of each year. Primary Target Audience: Township residents and school age children. (Yearly)
- Distribute "Don't Let Stormwater Run Off with Your Time and Money" and "Illicit Discharges to the Spring Creek Watershed" with zoning permit applications. Primary Target Audience: Building Contractors. (Yearly)
- Distribute educational materials to elementary age school students. Primary Target Audience: Elementary School Children. (Yearly)
- Financially support the Spring Creek Watershed Association and their Spring Creek Water Quality Monitoring project. Primary Target Audience: Land Development Professionals. Secondary Audience: Township Residents. (Yearly)
- Continue to distribute (and purchase additional copies as needed) of the "Spring Creek Watershed Surface and Groundwater Boundary Map" Primary Target Audience: Township residents. Secondary Target Audience: Visitors to Harris Township. (Yearly)
- Place a stormwater educational article in the local newspaper (the Centre Daily Times) Primary Target Audience: Township residents. Secondary Target Audience: Newspaper readership outside of Harris Township. (Yearly)
- Provide yearly update to the public works employees of the importance of being alert for the detection of prohibited materials in the Township storm sewer system. This is performed at the yearly Good Housekeeping and Pollution Prevention meeting given to the public works employees. Primary Target Audience: Public Works Employees. (Yearly)
- Rain Barrel Workshop: Workshop gives hands on experience on making a rain barrel and provides educational power point on illicit discharges into the municipal storm sewer. We have been doing this on a yearly basis but have had trouble obtaining barrels so we cannot commit to a yearly rain barrel workshop. Primary Target Audience: Township residents. (Permit cycle. However this permit cycle we performed this task 4 times)
- MS4 Update. Township Engineer will present a stormwater management update to the Township Supervisors at a regularly scheduled meeting. Target Audience will be the general public and the elected officials. (Yearly)

SPRING CREEK WATERSHED MS4 PARTNERS

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[HOW YOU CAN HELP](#)

[MS4 PERMIT AREA](#)

[FAQS](#)

[ABOUT THE WATERSHED](#)

[LINKS/RESOURCES](#)



**Welcome to the Spring Creek Watershed's
MS4 Partners Website**

Photo Credit: Robert Baumbach





SPRING CREEK WATERSHED MS4 PARTNERS

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Bioswale outlet during storm

Links/Resources

The MS4 Partners

[College Township](#)[Ferguson Township](#)[Harris Township](#)[Patton Township](#)[Penn State](#)[Spring Township](#)[State College Borough](#)

Watershed Organizations

[ClearWater Conservancy](#)[Spring Creek Chapter of Trout Unlimited](#)[Spring Creek Watershed Commission](#)[Keystone Water Resources Center](#)

Resources

[EPA Stormwater Homepage](#)[PaDEP Homepage](#)[Penn State Agriculture and Environment](#)

STORMY

The raincloud
doesn't like
getting blamed
for polluted
runoff, do your
part to keep
stormy happy.

Center

USGS Spring Creek Document USGS-SIR
2005-5091

PaFBC The Fishery of Spring Creek, A
Watershed Under Siege

MS4 Partners Stormwater Activity Book

Local Presentations

Spring Creek Watershed Commission April
15th, 2015

Centre Region Council of Government
General Forum March 23, 2015



Penn State Arboretum recharge area



COMMITMENT

COG). Some gave their entire budgeted amount at the beginning of the year or provided their quarterly payments early. Some, if not all, gave an extra amount to help increase hourly wages or to cover the cost of one person to attend an EMT training class.

But what the support will look like beyond this year has yet to be determined, with Port Matilda EMS joining a growing number of EMS companies around the county with unclear futures.

DIFFERING VIEWS

During a March 7 COG meeting, chair Keith Reese said the EMS is "financially solvent."

"EMS right now is very financially solvent with this crew and staff they have. They have money right now that they cannot spend because they don't have the staff. That's a good place to be in and they are working on that to get the staffing and we're standing by to help," Reese said. "Anybody that has any inferences or beliefs that we're not here for them — that's false. It's erroneous, it's malicious. Whatever you want to call it, it's just not true."

Jack Bonnell, president of the Port Matilda EMS, who was not at the COG meeting, told the Centre Daily Times that the claim the EMS is "financially solvent" is incorrect. According to Bonnell, an infusion of cash between contributions from the municipalities and memberships, along with a state grant, does not tell the full story. While the EMS has added to its staff and has several people in an EMT training class, clarity on future funding is still needed.

Historically, the EMS can not survive on just memberships. Out of the 4,645 memberships the EMS sent out this year, 807 have been completed, as of March 7. The total income from these memberships is \$84,031, which includes donations on top of the memberships. The public support and awareness has been greater recently, Bonnell said, and the COG also said it was appreciative of those who completed memberships.

The EMS also recently received a \$150,000 grant from the state and was offered a loan from the county.

The grant can't be used for payroll, Bonnell said. They could contract employees, he said, but there are some issues with that as well, because it's not dollar for dollar. The cost could be inflated because they have to pay the employees as well as the staffing company.

Beyond that, there are other limitations. "Just as an example, I can put propane in our tank to heat the building, but I can't use that money to buy fuel for my trucks. I can put a roof on the building but it does me no good if I have no staff in here to keep dry.... That \$150,000 is very difficult to spend."

Although there may be various stipulations on the grant, Bonnell said it will allow them to recruit and retain employees. It will give them the opportunity to use some of the money to go to a job fair and potentially hire people.

John Franek, Centre County's administrator, attended the COG meeting after Halfmoon Supervisor Ron Servello inquired about grant opportunities from the county. Franek said there weren't



Snow collects on the Port Matilda EMS non-emergency transport van outside of the station on Friday, March 10, 2023.

any grants available, but the commissioners offered a \$50,000 "bridge loan" that could be repaid in about a year at 0% interest.

The COG discussed the option and what type of oversight would be needed in the event the EMS wanted the loan. Servello said they're still trying to "figure out what the structure should be" between the COG and the EMS.

Reese suggested the municipalities discuss the loan at their next board meeting to decide if they want to have oversight and an agreement with the EMS like they have with the Port Matilda Fire Company.

Port Matilda borough council member Mark Lively wondered if money is the solution right now, and questioned whether the EMS could be shut down because of how understaffed it is and how many calls it can't respond to.

After a complaint was filed against the Port Matilda EMS for not covering all their calls, the EMS was put on a provisional status by the state, which Bonnell said is not uncommon for rural EMS services. That required a four-point action plan outlining how the company would work its way out of the situation. While

provisional, their ambulances are getting inspected every year rather than every three years.

Every three months, Bonnell gives the state a report on where the EMS is on the plan, which includes advertising for new employees, meeting with the municipalities, providing a log of all of the missed calls and explaining why the calls were missed.

"So could Seven Mountains (Emergency Medical Services Council) come in and shut me down? Absolutely not," Bonnell said. "If I'm not following the action plan, the state most likely... will fine (us) up to \$10,000 until this is fixed.... At that point, when you become a liability to the state, then the state could shut you down."

WHAT CAN MUNICIPALITIES DO?

The current EMS budget is \$115,000, which includes payroll, workers comp, payroll taxes and utilities. The EMS does not currently get full funding from the municipalities it serves. Collectively, the COG municipalities gave the EMS \$44,000 this year, Bonnell said during a previous COG meeting. Some of the municipal budgets are smaller than the entire

EMS' budget.

Servello said the 2023 budget shouldn't be in the \$100,000 range, as they're not employing that many people to warrant that amount. Based on a projection done by the Halfmoon Township treasurer, Servello said it could be around \$200,000.

The EMS is facing two problems, Lively said during the COG meeting. The issues, money and staffing, have different time frames.

The COG doesn't have the ability to fix the staffing issue, he said. The municipalities are limited in where they can spend money, as their budgets are set for 2023 and won't be opened up until the fall.

Many residents have asked the municipalities to implement a tax to help fund the EMS, Lively said. The municipalities wouldn't be able to do that until after it is written, advertised and discussed at two meetings. The tax wouldn't take effect until January 2024, he said, so that is "at best, a medium-term solution, maybe a long-term solution."

The COG has started to discuss an EMS funding formula for 2024, but the first meeting was held behind closed doors, a potential violation of the Pennsylvania Sunshine Act.

Between the municipal contributions, memberships and donations, the grant and bridge loan, the potential tax increase and the financial committee's work, the EMS is "set financially for the short-term, medium-term and long-term," Lively said.

The EMS — and many residents who have been vocal in their support of the EMS — do not hold the same view.

During the March 7 meeting, David Crow, a Halfmoon resident, said the EMS has been looking

for municipal support from the beginning. He commented on the size and number of meetings that have taken to get here, and the lack of solution.

"The problem isn't being solved. What we're doing is kicking it down the road. Yes, they will need less money because they're, you know, they're barely there. But people like these volunteers... that are trying to help, they're looking for that municipal commitment. And they're not looking for this to take three or four months. They expect action soon. So at the town hall, you directed all of us to be patient. But here we are," Crow said.

Reese said that wasn't representative of what is happening. They organized as quickly as they could, given the scheduling logistics of five municipalities. They've increased their contributions and are working on a viable funding solution, he said.

Other residents inquired about the township using their American Rescue Act Plan funds to fund the EMS, which turned into a heated exchange with Supervisor Timothy Reese.

"Just because we have a little extra money, we can't give it all the time. We have to be thoughtful as to how we use our money. Liquidity every year is going down. We're not getting near enough money from the state. Anything we can give, we'll give them a little. We already did. We gave over \$1,000 to EMS out of the ARPA funds," Timothy Reese said.

'WE'RE GOING TO DO EVERYTHING WE CAN'

Through this time, the public awareness has been much greater than it has ever been before, Bonnell said during an interview in February.

"Before, there was al-

SEE COMMITMENT, 3A

COMMITMENT

ways that understanding that you call 911 and somebody is going to be there. Now, there's the awareness that they're not potentially going to be there or they'll be there but you're going to have to wait," he said.

He declined to comment on the timeline the municipalities are working on. But he did say he was surprised and disappointed that they haven't gotten to some kind of resolution yet.

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Melissa Ryan McEwen, media law counsel for the PA NewsMedia Association, of which the Sunshine Act applies to committees that render

advice or take official action on matters of agency business.

"The law applies to deliberation, even if no official action takes place, so the fact that no decisions were made is irrelevant. If there was a quorum of the committee or a quorum of the COG Consulting agency business, the Sunshine Act applied and required a public meeting," McEwen said.



ONLY RAIN

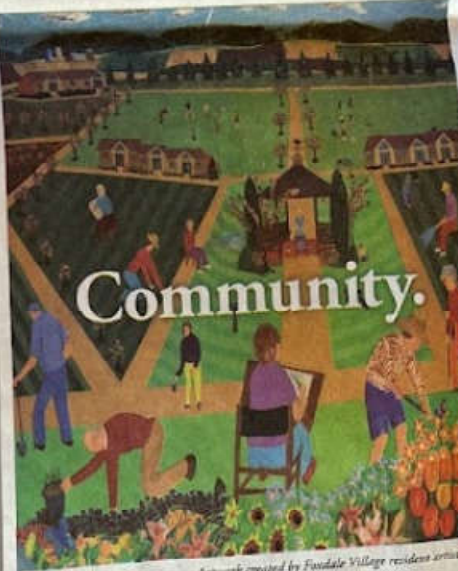



THE DRAIN

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Community.

Artwork created by Foxdale Village residents artists

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FROM PAGE 1A

COMMITMENT

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WE'RE GOING TO DO EVERYTHING WE CAN

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"Before, there was al-

SEE COMMITMENT, 5A

FROM PAGE 4A

COMMITMENT

ways that understanding that, you call 911 and somebody is going to be there. Now, there's the awareness that they're not potentially going to be there or they'll be there but you're going to have to wait," he said.

He declined to comment on the timeline the municipalities are working on. But he did say he was surprised and disappointed that they haven't gotten to some kind of resolution yet.

"I am a little disappointed that we have not got some kind of resolution prior to today. But again, I'm not here to blame COG, any municipalities.

That's not what I'm here for," he said.

So, how will the Port Matilda EMS make it through 2023? Bonnell said the answer is a combination of things: financial and vocal support from the public, and state and local funding.

In general, improved insurance reimbursements — a statewide issue — is also a dire need.

"One of the things that really is hurting EMS as a whole is insurance reimbursements. They're horrendous and there's no outlook on the horizon to have that fixed," Bonnell said. He estimated they get about a 90% return on

FROM PAGE 1A

SUNSHINE ACT

We have no voting capability whatsoever. No decisions will be made," he said.

A resident asked if the meeting was an organizational meeting.

"Call it what you want. It was a subcommittee meeting, work session, Keith Reese said.

Melissa Bevan-Melwsky, media law counsel for the PA NewsMedia Association, of which the COG is a member, said the Sunshine Act applies to committees that render advice or take official action on matters of agency business.

"The law applies to deliberation, even if no official action takes place, on the fact that no decisions were made is irrelevant. If there was a quorum of the committee or a quorum of the COG discussing agency business, the Sunshine Act applied and required a public meeting," Melwsky said.

in an email. She said the Sunshine Act does not define or authorize "work sessions," so the term used to describe the meeting is "largely irrelevant."

"What matters is: Is there a quorum and is the quorum discussing agency business. If the answer to those questions is yes, the Sunshine Act applies. That applies to work sessions, lunch meetings, emails, text messages, phone calls, non-voting meetings, etc.," she wrote.

The Sunshine Act, which requires agencies to deliberate and take official action on agency business in an open and public meeting, among other things, does allow for executive sessions. Section 708 of the act lists several reasons why an agency can hold an executive session, but the funding the EMS would not fall under any of the reasons. The COG did not say



ONLY RAIN

DOWN



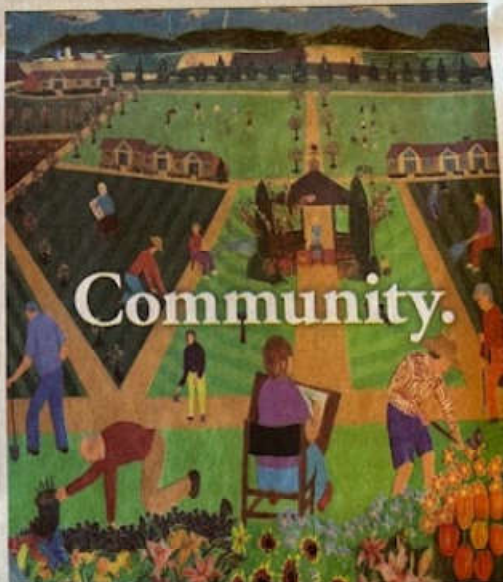


THE DRAIN

REPORT ACCIDENTAL SPILLS AND ILLEGAL DUMPING TO YOUR LOCAL MUNICIPAL WORKS

sponsored by the Spring Creek MS4 Partners

<http://www.ms4partners.org>



Artwork created by Foxdale Village resident artists

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Foxdale Village

A Quaker-Directed Community Care Retirement Community

500 East Marylyn Avenue | State College, PA 16801

Page 30

2022-2023 Annual Report





ONLY RAIN



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MS4 Partners • State College Borough • College • Ferriusott • Harris • Patton • Spring • Penn State

**NO DUMPING
DRAINS TO CREEK**

1855



THE DRAIN

**REPORT ACCIDENTAL SPILLS
AND ILLEGAL DUMPING TO
YOUR LOCAL MUNICIPAL WORKS**

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Artwork creat

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campus. Plan a visit today at (

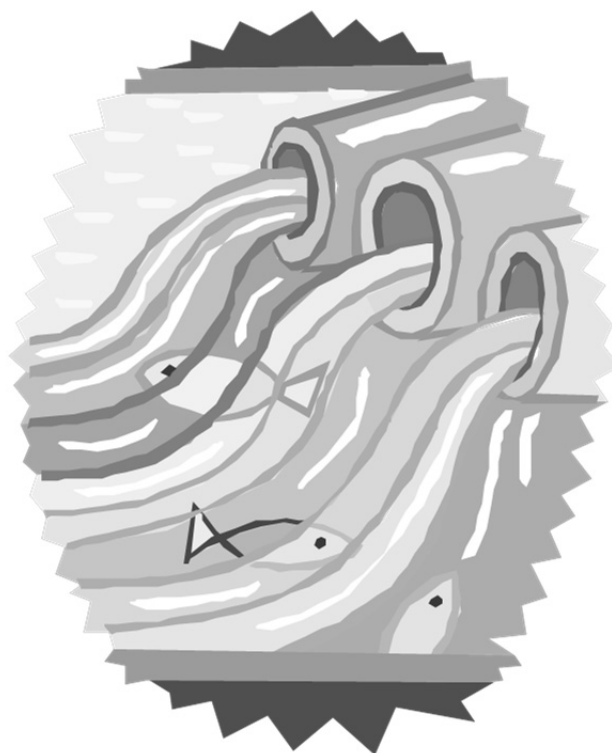


A Quaker-Directed Contin

500 East Marylyn Avenue | State College

This booklet belongs to: _____

The Spring Creek Stormwater Activity Book



An activity booklet designed to teach children about water resources
and stormwater pollution

Created by the MS4 Partners
College, Ferguson, Harris, and Patton Townships;
Penn State; and State College Borough

What is Stormwater?

When rain falls or snow melts, where does the water go? Some is soaked into the ground, some sits in puddles, and some disappears. Water that flows over the land surface, downhill to the nearest stream or ditch; we call stormwater runoff.



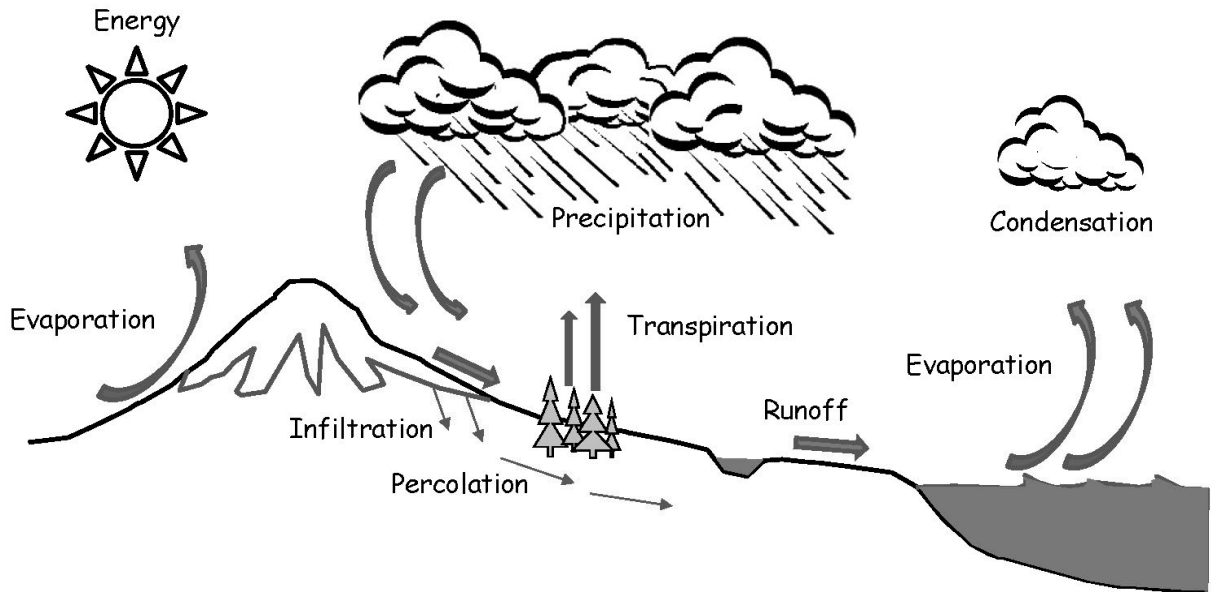
When storm drains are free of debris, water can easily drain from roadways. When storm drains are clogged, this causes the potential of flooding on roadway surfaces, which can also cause contamination. Never put anything down a storm drain.

Solve the hidden message. Use the clues below.

A = B = C = D = E = F = G =
H = I = J = K = L = M = N =
O = P = Q = R = S = T = U =
V = W = X = Y = Z =

Activity Challenge: What secret messages can you make using the above code letters or your own symbols?

The Water Cycle



Evaporation: When water is heated by the sun, it causes the water to turn into vapor and rise into the air.

Transpiration: Water that plants give off as vapor.

Condensation: When water vapor cools, it turns into tiny drops of water. These combine to make clouds.

Precipitation: The water in the clouds falls to the earth as rain or snow.

Runoff: The water falling to the ground through precipitation runs back into the lakes, rivers and oceans over the surface of the ground.

Infiltration: When water enters the soil surface.

Percolation: What water's called after it's infiltrated into the ground and then moves through the soils.

Hydrology: The study of how water moves through the environment.

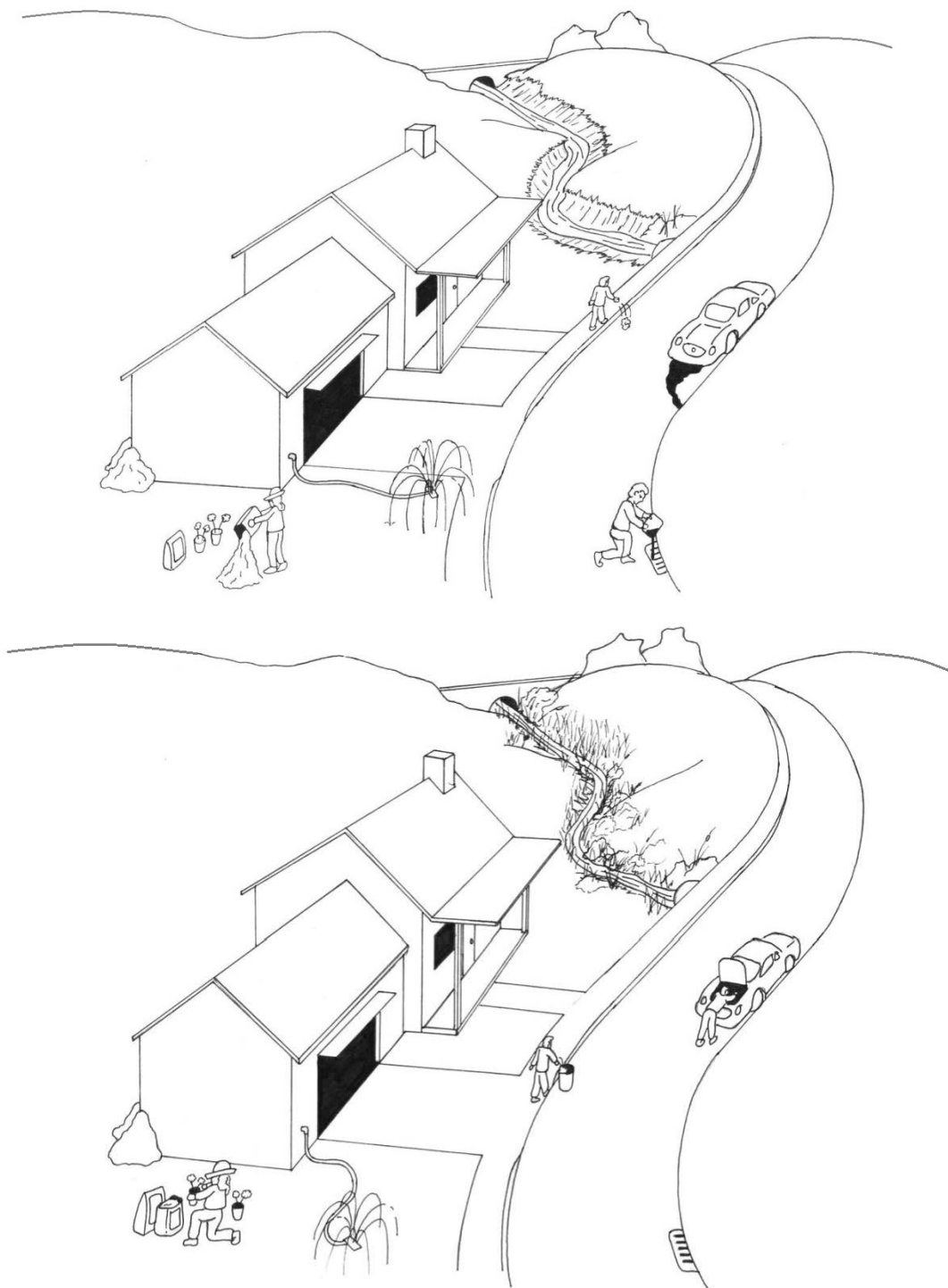
Karst: A landscape term in a carbonate watershed like Spring Creek where sinkholes, closed depressions and blind valleys (valley with an abrupt ending) have developed over geologic time. Water that enters sinkholes can move rapidly and potentially contaminate groundwater.

Impervious Surfaces: Are mainly artificial surfaces like roofs, roads, sidewalks, and parking lots that are impenetrable to water, which makes water runoff.

Did you know that the water you drink is as old as the earth itself? Dinosaurs may have swum in the water from your kitchen sink. The earth's water supply is about the same as it was millions of years ago. That's because every molecule of water is recycled over and over through the water cycle. More than 99% of the earth's water is salt water in the ocean or trapped in the ice caps or deep underground. That leaves only 1% of the earth's water available for us to use. Let's make sure we protect that water and keep it clean.

Stormwater Pollution Picture Search

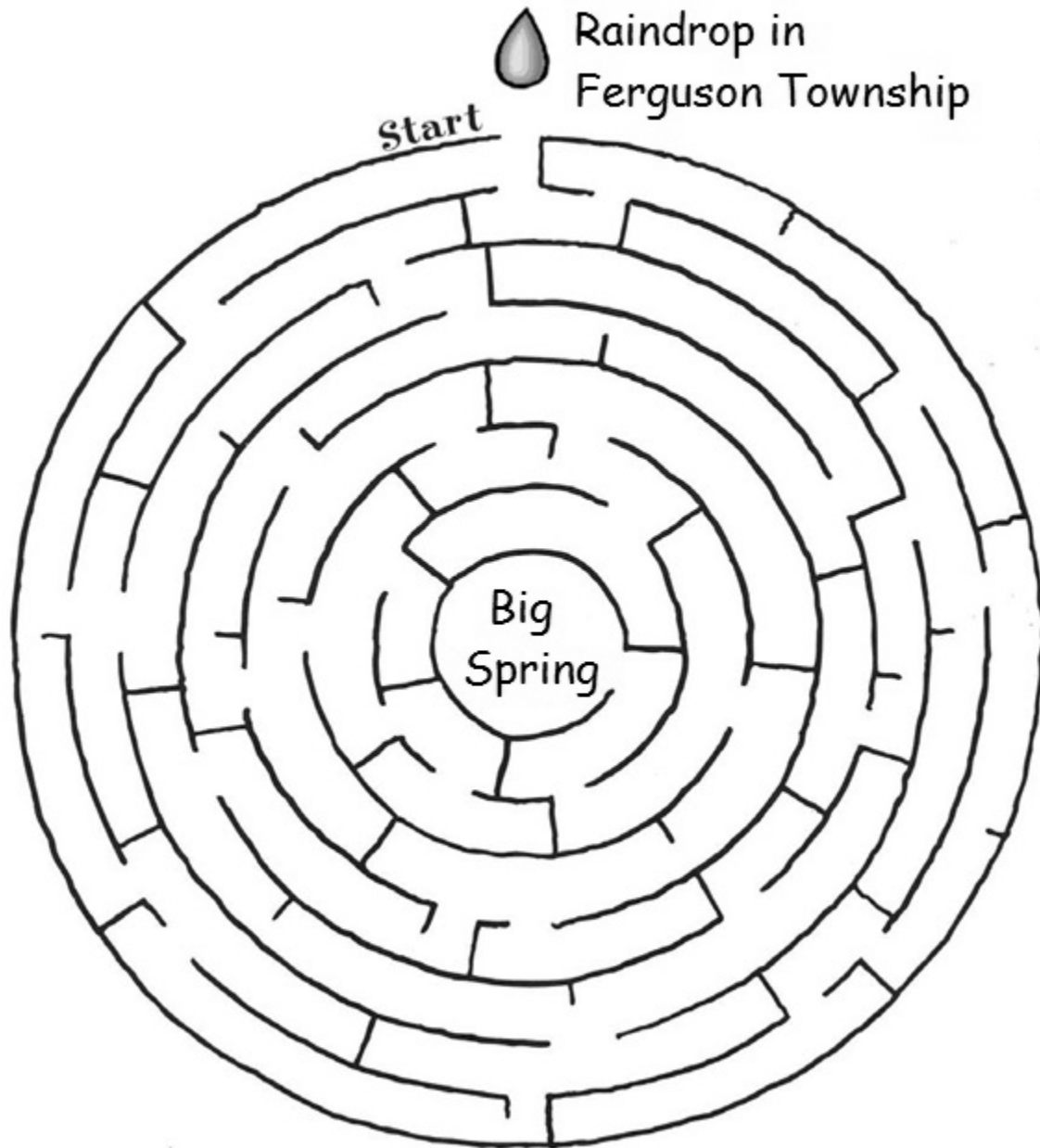
Cities and towns have more stormwater runoff than areas in the country because they have more concrete so the water can't soak into the ground. Impervious surfaces like roads and parking lots can contribute lots of pollutants to our streams. Compare the two pictures below. Circle all the differences between them that you can find that could result in polluted runoff. You should find 6 things.



Activity Challenge: What do these differences have to do with protecting our water from stormwater runoff?

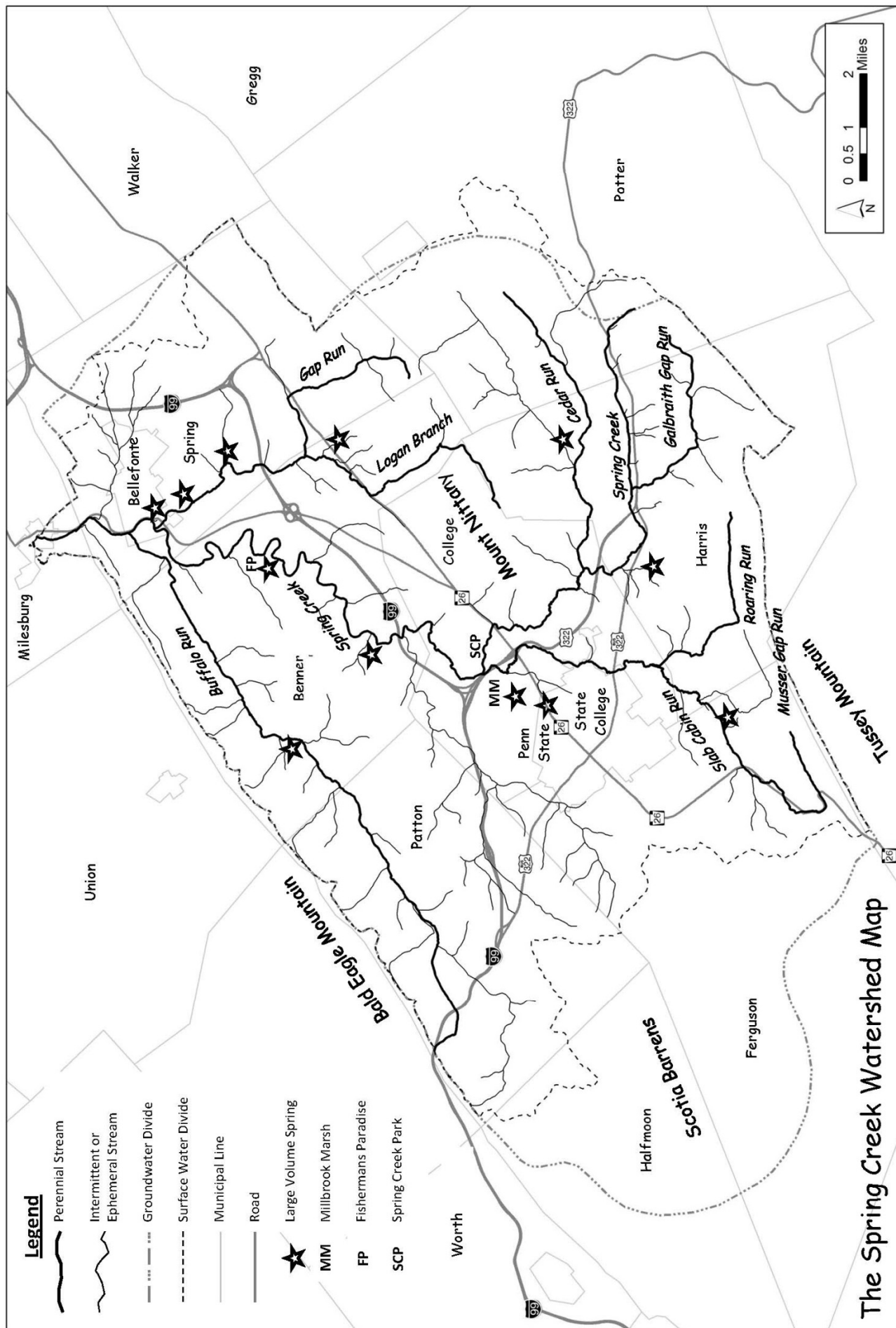
Water Maze

How water moves in and around the Spring Creek Watershed can be very complex due to the carbonate geology. Lead the water droplet through the maze from where it landed in the upper reaches of Ferguson Township to the Big Spring in Bellefonte.



Did you know that a cistern is a tank for storing rainwater and rain barrels are a type of cistern? Many older homes and farms in the region had cisterns.

Activity Challenge: Create your own maze with multiple exits. Is there any shape that works best?

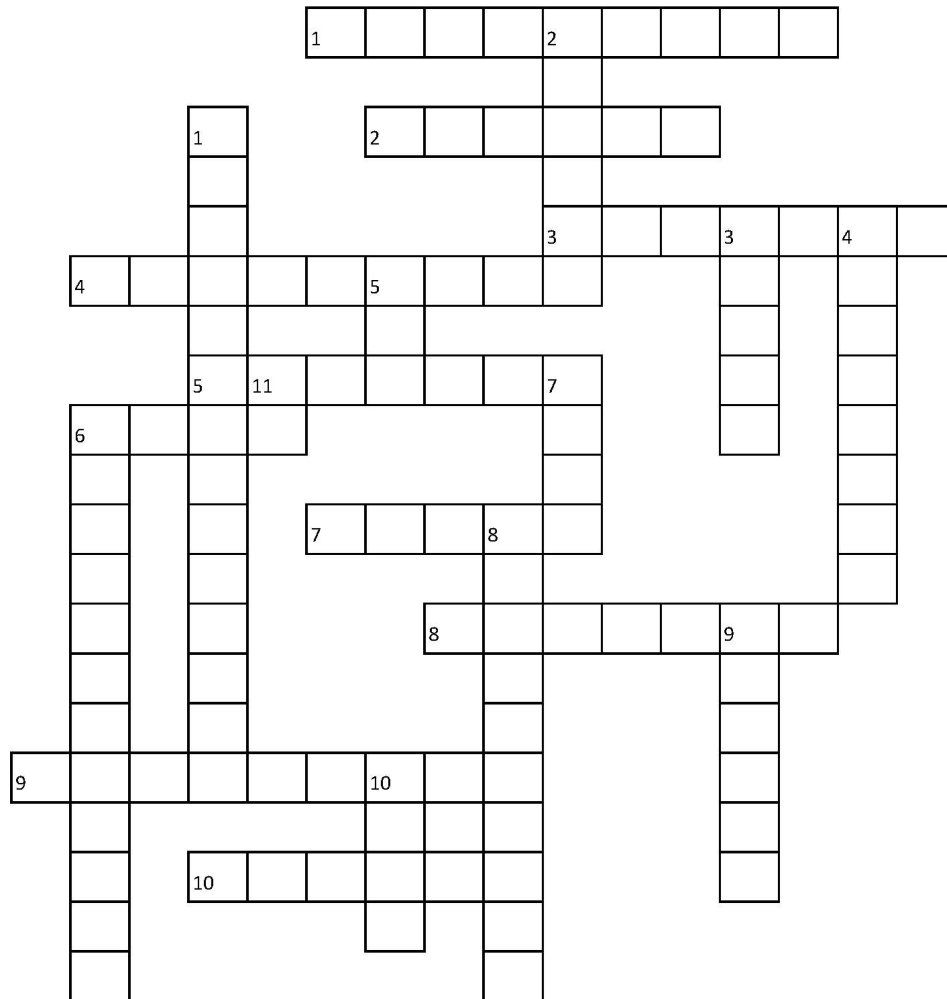


The Spring Creek Watershed Map

A high quality color map can be obtained from ClearWater Conservancy or your MS4 Partner Municipality.

Crossword Puzzle

Everything we do is interconnected and can affect something else. Complete the crossword puzzle below. Hint, many of the words can be found in this activity book.



Across

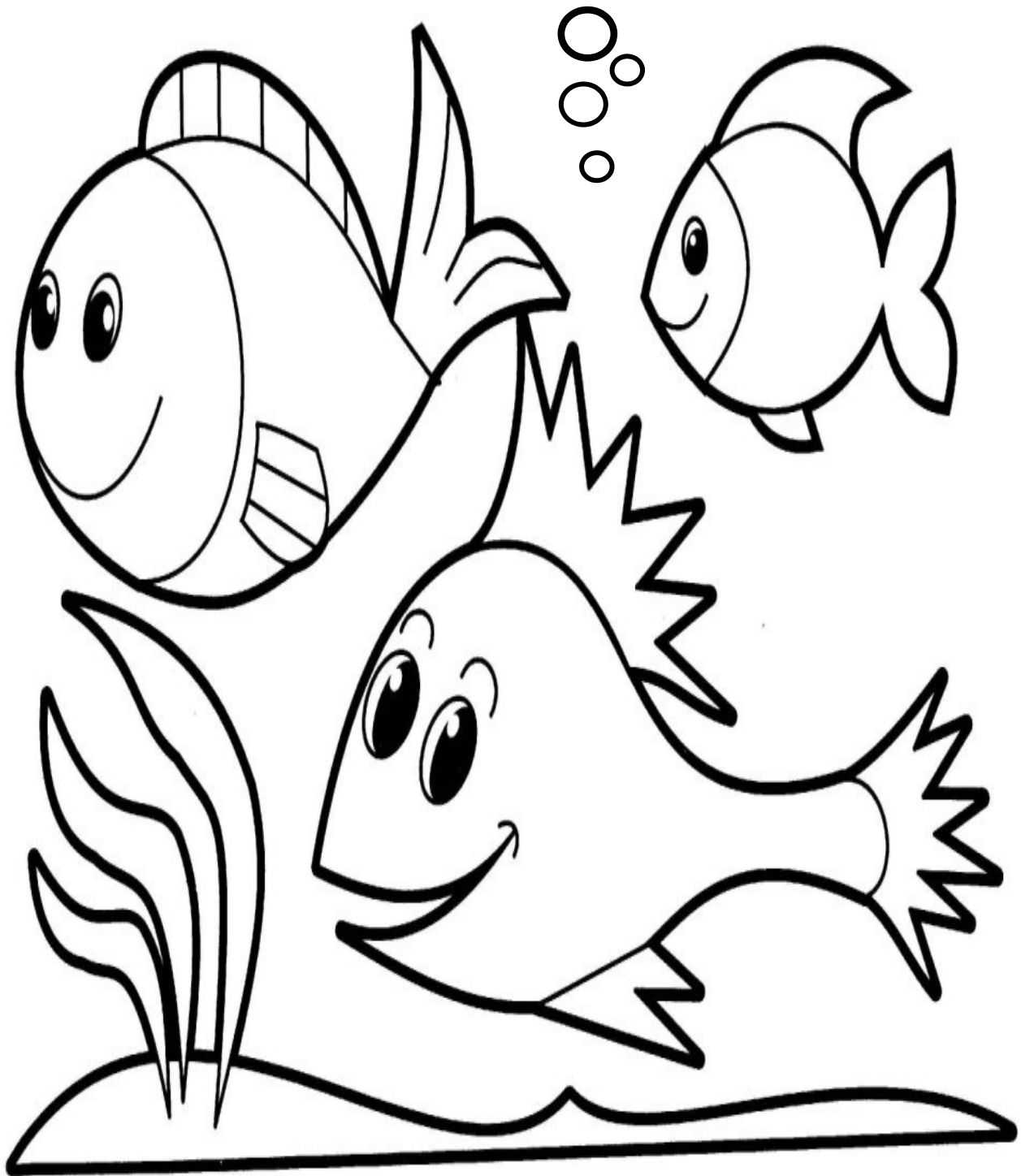
- 1) A local University
- 2) A rain _____, for storing water
- 3) A Spring Creek Mountain
- 4) A town at the mouth of the watershed
- 5) A practice that helps the environment
- 6) A form of precipitation
- 7) A landscape term describing sinkholes and closed depressions
- 8) A local municipality (2 will work)
- 9) An under drained valley of Spring Creek
- 10) A town at the base of 3 across

Down

- 1) A large local wetland
- 2) Where water comes out of the ground
- 3) A Spring Creek fish
- 4) Pollution not from a single spot or "point"
- 5) Something you do at a store
- 6) A Spring Creek tributary
- 7) A compass direction
- 8) What this activity book is about
- 9) Where the community gets its drinking water
- 10) A type of bird found around marshes
- 11) Something you say when you touch something slimy

Color the Fish

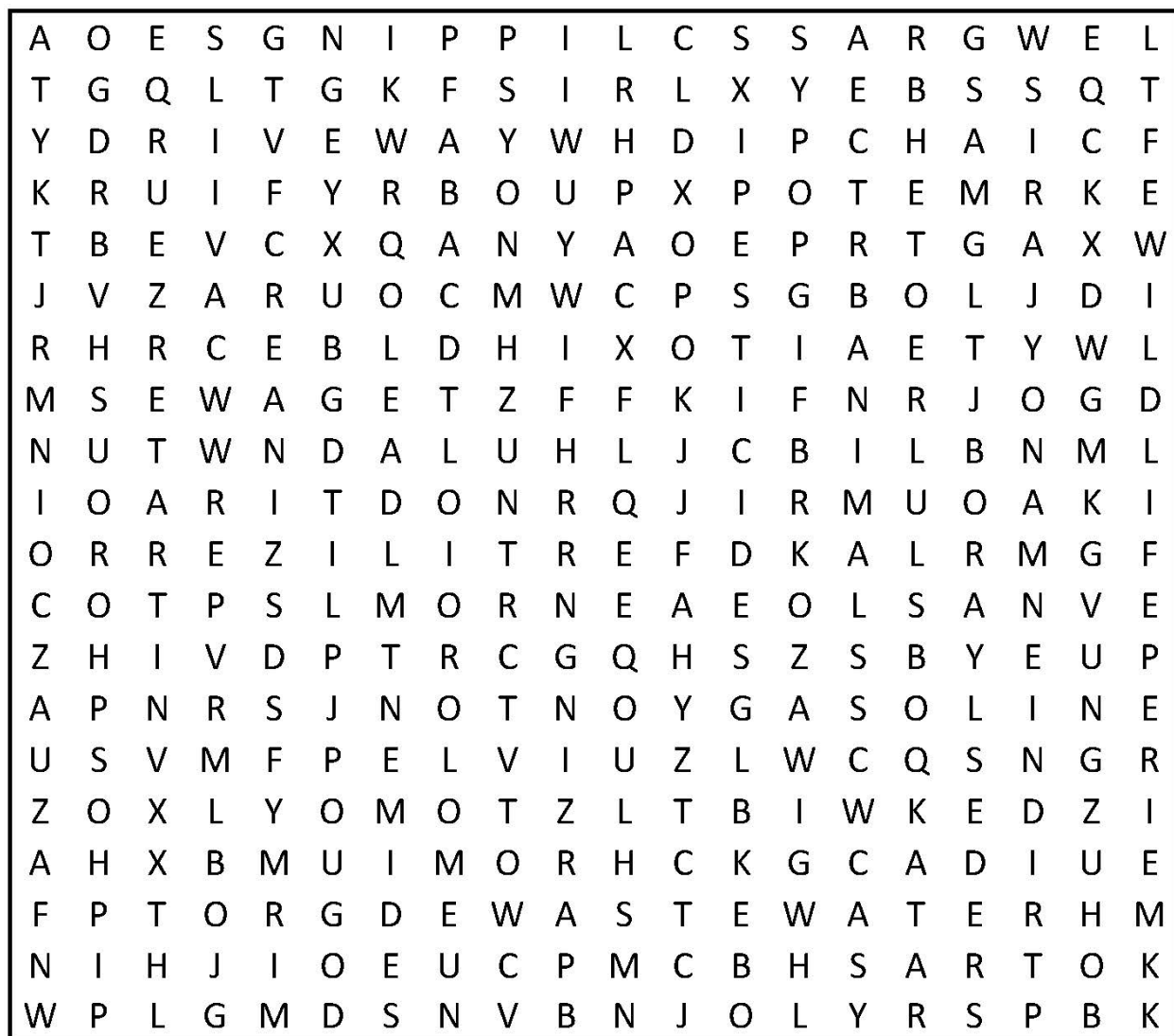
Did you know that Spring Creek is a world famous trout stream fishery? People love to fish at "Fishermans Paradise."



Activity Challenge: Draw your own picture of what you think is needed for a healthy watershed.

Word Search

Pollution in our streams and groundwater can come from many sources (including nonpoint) and not just from big spills. See if you can find the pollutants listed below.



Agriculture

Animals

Cars

Chromium

Copper

Dirt

Driveway

Fertilizer

Garbage

Gasoline

Grass Clippings

Grease

Lead

Motor Oil

Mud

Nitrate

Pesticides

Phosphorous

Salt

Sediment

Sewage

Tar

Trash

Wastewater

Wildlife

Polluted water that goes down the drains in your house goes to a wastewater plant or septic system for treatment.

Activity Challenge: Make your own word search with words you think are important.

Word Scramble

See if you can unscramble the following words. If you get stuck, look at the hints for suggestions. Another hint is that most of these words can be found somewhere in this activity book. Good Luck!

R I P N G S

K R E C E

H M F N R S I S E A

R E D P S I A A

N R U G A W T R E D O

S T A R W E D H E

E L G E L C O

N P D O

T N P S A L

A T S U E I S L B A N

D A N W E L T

T O P N T A

E R N T I C S

T L A I A C T

E G N R E

O F O R

I R N A

E R G D N A

S W E A T T R W A E

T O U T R

M E T U I L D I N

Hints

Words on the cover

Great place to fish

Where our fresh water is located

Spring Creek _____

Township Millbrook Marsh is located

Stored water on the ground surface

Things that help clean the environment

A good practice

What Millbrook Marsh is

Buffalo Run municipality

Used for storing water

A type of wetland plant

An urban stormwater practice

Stormwater practice that's good for homes

Where polluted water should go

A fish conservation group

Activity Challenge: Create scrambled words you've learned about protecting our water for your friends to solve.

Final Stream Facts

Perennial Stream - Are streams that flow year round like Spring Creek.

Intermittent Streams - Are streams that flow part of the year or seasonally.

Many tributaries to Spring Creek are intermittent.

Ephemeral Stream - Are streams that only flow in direct response to precipitation.

The Big Hollow is an ephemeral stream because it's an under drained valley.

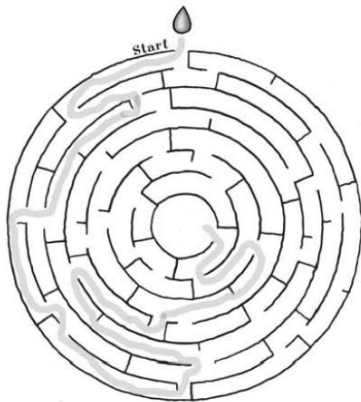
Many of the small drainageways without any bed or banks in the watershed are some of the most important in protecting the watershed and are highly infiltrative. Help protect our streams no matter what size they are!

Answer Key

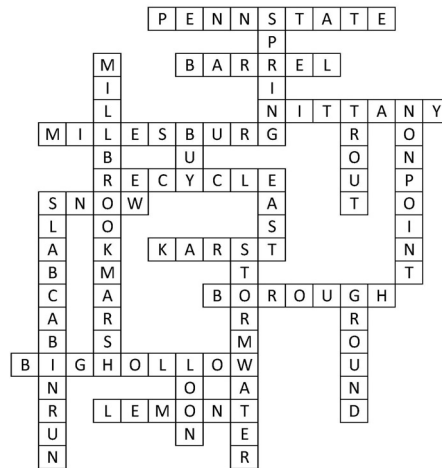
Hidden Message: Millbrook Marsh is a great place to visit and learn about wetlands.

Pollution Picture Search: 1) creek without vegetation, 2) car leaking fluid, 3) man dumping down a drain, 4) woman uses excess nutrients, 5) watering impervious areas like sidewalks, and 6) throwing trash on the street.

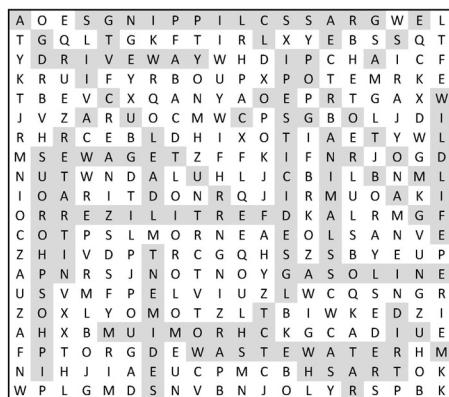
Maze:



Crossword Puzzle:



Word Search:



Word Scramble:

Spring Creek
Fishermans Paradise
Groundwater
Watershed
College
Pond
Plants
Sustainable
Wetland
Patton
Cistern
Cattail
Green Roof
Rain Garden
Wastewater Plant
Trout Unlimited



STORMY

The raincloud
doesn't like
getting blamed
for polluted
runoff, do your
part to keep
stormy happy.



www.ms4partners.org

The acronym MS4 is short for "Municipal Separate Storm Sewer System."
All of the MS4 Partners have a MS4 stormwater permit that helps protect the environment.

Harris Township, Centre County, Pennsylvania
Public Involvement and Participation Program (PIPP)

Purpose:

Harris Township understands the importance of providing opportunities for public involvement and participation in activities that emphasize the importance of stormwater and its protection. To that end, Harris Township has created this document to be the official Public Involvement and Participation Program and will utilize this document to develop the Public Involvement and Participation tasks for each permit year.

Requirement:	
2. MCM #2: Public Involvement / Participation. (25 Pa. Code § 92a.32(a) and 40 CFR § 122.34(b)(2)) The permittee shall comply with applicable state and local public notice requirements when implementing a public involvement / participation program. a. BMP #1: Develop, implement and maintain a written Public Involvement and Participation Program (PIPP) which describes various types of possible participation activities and describes methods of encouraging the public's involvement and of soliciting the public's input. The PIPP for new permittees shall be developed and implemented within one year following issuance of this permit. All permittees shall reevaluate the PIPP annually and make revisions as necessary. The PIPP shall include, at a minimum: (1) Opportunities for the public to participate in the decision-making processes associated with the development, implementation, and update of programs and activities related to this permit. (2) Methods of routine communication to groups such as watershed associations, environmental advisory committees, and other environmental organizations that operate within proximity to the permittee's regulated small MS4s or surface waters receiving the permittee's discharges. (3) Making Annual MS4 Status Reports and all other plans, programs, maps and reports required by this permit available to the public on the permittee's website, at the permittee's office(s), or by mail upon request.	Each year the Township will assess the effectiveness of the tasks performed and adjust the PIPP as may be required. The permit and requirements are incorporated herein for reference.
b. BMP #2: The permittee shall advertise to the public and solicit public input on the following documents prior to adoption or submission to DEP: • Stormwater Management Ordinances (for municipalities); • Standard Operating Procedures (SOPs) (for non-municipal entities); and • Pollutant Reduction Plans (PRPs) and TMDL Plans, including modifications thereto. (1) For Ordinances and SOPs, the permittee shall provide notice to the public; provide opportunities for public comment; document and evaluate the public comments; and document the permittee's responses to the comments prior to finalizing the documents. The permittee shall provide this documentation to DEP upon request. (2) For PRPs and TMDL Plans, public participation requirements are specified in Appendices D, E and F of this Permit.	The adoption of a stormwater ordinance was not required during the past reporting period. No amendments or changes to the PRP were warranted during the past year.

Requirement:	
c. BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods. This shall include an effort to solicit public reporting of suspected illicit discharges. Assist the public in their efforts to help implement the SWMP. (1) The permittee shall solicit public involvement and participation from target audience groups on the implementation of the SWMP. The solicitation can take the form of public meetings or other events. The public shall be given notice in advance of each meeting or event. During the meetings or events, the permittee should present a summary of progress, activities, and accomplishments with implementation of the SWMP, and the permittee should provide opportunities for the public to provide feedback and input. The presentation can be made at specific MS4 events or during any other public meeting. Existing permittees shall conduct at least one public meeting that includes information on SWMP implementation by June 30, 2025; new permittees shall conduct at least one public meeting within 5 years following issuance of this permit. (2) The permittee shall document and report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed organizations and conservation organizations; and similar instances of participation or coordination with organizations in the community. (3) The permittee shall also document and 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 organized implementation efforts such as cleanups, monitoring, storm drain stenciling, or others.	(1) Meeting will be performed prior to June 30, 2025; (2) See information regarding coordination with Clearwater Conservancy for Watershed Cleanup, Rain Barrel Workshop, etc.

Additional information relative to the PIPP:

Identification of Target Audience:

Identification of the target audience is important to the development of the Public Education and Outreach Program. The target audience we have identified is as follows:

- Township Residents
- School Students
- Business Owners

To meet our involvement and participation requirements the Township may perform the following tasks:

- Watershed Cleanup Day. As may be requested by Clearwater Conservancy, the Township will provide drop off locations and will assist in the transportation of trash to the Centre County Refuse and Recycling Authority. The Township, along with the MS4 partners will evenly split the cost of the tipping fees for the refuse collected within the MS4 area. Primary target audience: Township residents and students. The Watershed Cleanup Day attracts hundreds of volunteers each year. Many firms including several of the major earth moving contractors within the Centre Region provide manpower and equipment to help with the Watershed Cleanup Day
- Rain Barrel Workshop. The Township will provide funding for a rain barrel workshop to be hosted by Clearwater Conservancy. Participants will be provided with the materials to create rain barrels to capture roof runoff. The workshop will include a presentation on stormwater and its importance.
- Inlet Stenciling Program. The Township will continue to provide paint, stencils, and safety vests for volunteer groups who wish to participate in the inlet stenciling program. The stencils will read "Inlet Drains to Spring Creek".

Site #	Type	Distance	Parking Address / Coordinates	Trash drop-off	Municipality
Site #1: Beckwith Rd (Rt 550 to Port Matilda Boro Office)	Roadside	2	400 S High St, Port Matilda, PA 16870	In front of Borough office on side of High Street	Halfmoon
Site #2: S. Eagle Valley Rd (Yeager Hollow Rd to Julian Woods Ln)	Roadside	0.6	40.875590, -77.924675	In front of parking lot, on the side of Eagle Valley Rd	Huston
Site #3: Rt. 550 (Way Fruit Farm to HCF Church)	Roadside	1.2	2355 Halfmoon Valley Rd, Port Matilda, PA 16870	In front of parking lot, on the side of Halfmoon Valley Road	Halfmoon
Site #4: Rt. 550 (HCF Church to Patton Township sign)	Roadside	1.3	1776 Halfmoon Valley Rd, Port Matilda, PA 16870	In front of church, on the side of Halfmoon Valley Road	Halfmoon
Site #5: Meeks Ln (Rt. 550 to Skytop Ln)	Roadside	1	5687 Buffalo Run Rd, Port Matilda, PA 16870	In front of church, on the side of Buffalo Run Road	Patton
Site #6: N Atherton St (Exxon to on-ramps)	Roadside	1	5140 Buffalo Run Rd, Port Matilda, PA 16870)	In front of Exxon, oon the side of Buffalo Run Road	Patton
Site #7: Grays Woods Blvd & Neighborhood	Roadside		939 Grays Woods Blvd Port Matilda, PA 16870	In front of church, on the side of Grays Woods Blvd	Patton
Site #8: Lowe's parking lot and surrounds	Parking lot,Roadside		104 Valley Vista Dr State College, PA 16803	On the side of Valley Vist Dr, by stoplight	Patton
Site #9: Home Depot parking lot & surrounds	Parking lot,Roadside		2615 Green Tech Dr State College, PA 16803)	On the side of Green Tech Dr, by stoplight	Patton
Site #10: Jo Hays Vista	Trail,Parking lot		40.716812, -77.893964	Next to trash cans in parking lot	Ferguson
Site #11: Pine Grove Rd (Rt. 45 to Pine Grove Hall)	Roadside	1.3	101 E Pine Grove Rd, Pine Grove Mills, PA 16868	In front of parking lot, on the side of Pine Grove Road	Ferguson
Site #12: Rt. 45 @ Musser Gap (College Ave to W Branch Rd)	Roadside	1.4	40.754867, -77.853119	On the side of parking lot	Ferguson
Site #13: W Branch Rd (Rt. 45 to SCBWA)	Roadside	1.1	1201 W Branch Rd State College, PA 16801	In front of parking lot, on the side of Branch Road	Harris
Site #14: W Branch Rd (SCBWA to Meyer Dairy)	Roadside	1	1201 W Branch Rd State College, PA 16801	In front of parking lot, on the side of Branch Rd	College
Site #15: Spring Creek Park & Houserville Rd (E College Ave to Spring Lea Rd)	Park,Roadside	0.4	935 Houserville Rd State College, PA 16801	Next to Spring Creek Park parking lot	College
Site #16: Rock Rd (Houserville Rd to Benner Spring Trail)	Roadside	1.5	40.850873, -77.822438	Next to parking lot	Benner
Site #17: Rock Rd (Benner Spring Trail to Barns Ln)	Roadside	0.5	40.850873, -77.822438	Next to parking lot	Benner
Site #18: Shiloh Rd (Fish Hatchery entrance to Trout Rd)	Roadside	0.9	40.852938, -77.811471	Next to parking lot	Benner,College
Site #19: Fillmore Rd, Valley View, and Upper Gyp Rd	Roadside	1.2	2262 Buffalo Run Rd Bellefonte, PA 16823	Parking lot at intersection of Fillmore and Valley View	Benner
Site #20: Unionville Pike	Roadside		Unionville Community Center	Will haul to transfer station	Union
Site #21: Spring Creek Rd (Fisherman's Paradise to Barns Ln)	Roadside,Park	1.4	40.879976, -77.792784	Next to parking lot	Benner
Site #22: Spring Creek Rd (Barns Ln to Rt 550/Buffalo Run Rd)	Roadside	1.2	(40.8929481, -77.7912511)	In front of parking lot, on the side of Spring Creek Rd	Benner
Site #23: Roopsburg/Potters Rd (Rt 550/Buffalo Run Rd to Talleyrand Park)	Roadside,Park	1	40.906594, -77.791801	Next to parking lot	Spring,Bellefonte
Site #24: Retention area at Blue Course Dr / Martin St & Blue Course Dr (Martin St to Havershire Blvd)	Roadside	1	800 W Cherry Ln State College, PA 16803	In front of school parking lot, on the side of Cherry Lane	State College Borough,Ferguson
Site #25: W Linn St (Tussey Mountain Outfitters to Caperella Furniture)	Roadside	0.7	308 W Linn St Bellefonte, PA 16823	In front of parking lot, on the side of Linn Street	Bellefonte
Site #26: Axemann Rd (Axemann Brewery to Mann Rd)	Roadside	1.5	Axemann Brewery, 2042 Axemann Rd, Bellefonte, PA 16823	2000 Axemann Rd.	Spring
Site #27: Bernel Road Park and surrounding	Trail,Park		2501 Bernel Rd, State College, PA 16803	In parking lot	Patton
Site #29: W Gatesburg Rd (Tadpole Rd to Scotia Range Rd)	Roadside	1.3	40.7554793, -77.9723659	Next to parking lot	Ferguson
Site #31: Military Museum & Blue Spring Park	Park		51 Boal Ave Boalsburg, PA 16827	Into township truck parked at Military Museum	Harris
Site #32: Waddle Rd Exit, Toftrees Ave, & Cricklewood Dr	Roadside	3.4	215 Colonnade Blvd State College, PA 16803	In front of parking lot, on the side of Colonnade Blvd	Patton
Site #33: Old 220 Rd & Curtin Rd (CUMC to Virginia Pine Ln)	Roadside	1.5	305 Curtin Village Rd Howard, PA 16841	In front of church, on the side of Curtin Village Rd	Boggs
Site #38: Rt 45 (Snappy's to Williams Rd)	Roadside	1	2892 Earlystown Rd Centre Hall, PA 16828	In front of parking lot, on the side of Rt 45	Potter
Site #39: E College Ave (Olde New York to Shiloh Rd)	Roadside	1.2	2298 E College Ave, State College, PA 16801	Next to stop light, on the side of the side street behind Olde New York	College
Site #40: Rockenbeck Buffer	Streamside		1601 Houserville Road, State College, PA 16801	In front of farm house, on the side of Houserville Rd	College
Site #41: Spring Creek at McCoy Dam	Streamside		40.931557, -77.785254	In front of parking lot entrance, on the side of Pleasantview Blvd	Bellefonte
Site #43: Rush Township Building	Roadside				Rush
Site #46: Bald Eagle Creek (Milesburg to Curtin Rd)	Stream (float)			On the side of Curtin Rd, near the stream entrance	Boggs
Site #47: Bald Eagle Creek (Curtin Rd to Bullit Run)	Stream (float)			On the side of Dowdy Hole Rd, near stream entrance	Boggs
Site #48: Spring Creek (Gamble Mill to Milesburg)	Stream (float)			In front of Milesburg Lions Club, on the side of Turnpike St	Bellefonte
Site #49: Spring Creek (Along Rock Rd)	Stream (float)			In front of Benner Spring Trail parking lot, on the side of Rock Rd	Benner
Site #50: Rhoneymeade (invasive removal site)	Park,Roadside		177 Rimmey Rd, Centre Hall, PA 16828	In front of barn, on the side of Rimmey Rd	Potter
Site #51: Thompson Woods	Park		40.801364, -77.838242	In parking lot at trailhead	College
Site #52: Autumn Meadow Park	Park		40.771334, -78.023760	In front of parking lot, on the side of Autumn Circle	Halfmoon
Site #53: SR 550 within twp limits, Smith Rd, Marengo Rd, and Orchard Rd					Halfmoon
Site #54: Sand Ridge Road	Roadside				Walker
Site #55: Hublers Ridge Road	Roadside				Walker
Site #56: Parking lot next to Snappy's	Parking lot		2892 Earlystown Rd, Centre Hall, PA 16828		Potter
Site #57: Hamilton Square	Parking lot				State College Borough
Site #58: Barns Lane	Roadside			Along road	Benner
Site #60: Lederer Park	Park		1101 University Drive, State College, PA 16801	At the entrance to the park, along University Drive.	State College Borough
Site #61: Walnut Springs Park	Park		843 Walnut Springs Lane, State College, PA 16801	In parking lot at trailhead	State College Borough
Site #64: Milesburg, near intersection of Bald Eagle Creek and Spring Creek.					
Rt 144 (below yellow bridge)	Roadside,Streamside,Park		Milesburg Community Center, 101 Mill St, Milesburg, PA 16853	In community center parking lot	Milesburg Borough
Site #65: Aaron Drive & Martin St.	Roadside		YSB, 325 W. Aaron Dr., State College, PA 16803	Along Martin St.	Ferguson
Site #66: Interchange at Milesburg 220/144/Old Curtin Rd.	Roadside		40.946276, -77.786569	In one pile along Eagle Valley Road/Alt 220	Boggs

Site Coordinator	Total # Vols	Group Name (from Contacts)	Google Map
Pat Morse	4		https://goo.gl/maps/mCKL1ziMYVe7c5L9A
Vincent Krall	8		https://goo.gl/maps/3k7scZuuUw1MRrwy8
Liane Roe	6	State College Presbyterian Church	https://goo.gl/maps/7hNsE7uRbUx3LNtT7
Stacy Hall	10	Centre County Secular Homeschoolers	https://goo.gl/maps/3CapXJs7Pd8SLXuZ9
Corina Fernandez	6		https://goo.gl/maps/R4NpHWSWRfPQmFfD8
Kelly McHugh	4		https://goo.gl/maps/3r7zjffZQGdmtHza9
Odessa Gregor	1		https://goo.gl/maps/hkWDXAZqcVuYeFR5A
George Farrant	3		https://goo.gl/maps/K9oXnqrDYg87LkCz5
George Farrant	1		https://goo.gl/maps/yWvhVfB1vRKXCqzE9
Rosemarie Stover	11	PA Master Naturalists	https://goo.gl/maps/pjfrReHas24wxHdb99
Liz Grove	12		https://goo.gl/maps/s19NjrYUv9TFYWPz6
Elli Bragg	21	Bragg Family and Friends	https://goo.gl/maps/v84j7onDeSe78XsN9
Haze Orner	22	Omega Delta Sigma - Penn State Chapter	https://goo.gl/maps/1KUm2YxbPLbC1hzw6
Haze Orner	20	Omega Delta Sigma - Penn State Chapter	https://goo.gl/maps/ePtKSz4C2LgbHEfd6
Dorothy Blair	1	Unitarian Universalist Fellowship of Centre County	https://goo.gl/maps/KsJwWcqzfw9rnHah7
Fran McDermid	7		https://goo.gl/maps/c2ezBywVwec6hZ2q6
Elizabeth Kelly	10	State College Area Roller Derby	https://goo.gl/maps/zyS3mqp4PRwrYQYS7
Alyssa Gurklis	9	Alyssa & Colin	https://goo.gl/maps/DqX5VKhhNjdpMEHB6
Genie Robine	15		https://goo.gl/maps/R9Sr1wFFz2bcgLMY6
Alisha Barton	1		https://goo.gl/maps/UUjPqJmzaiUwjd1FA
Sierra Keller	5	The Sustainability Institute at Penn State	https://goo.gl/maps/P8FHHEr4ArPMoViV7
Gary Dunmire	5		https://goo.gl/maps/2oGYZ2DHRReKRuvf9
Janet Swim	22	Penn State College of Liberal Arts Sustainability Council	https://goo.gl/maps/87CZcCeG2LPZBqCT8
Patricia Stephens	9		https://goo.gl/maps/v2czWVCMMwb25AaC7
Brandy Barwise	6		https://goo.gl/maps/MKUta7vPvjVNa7xc8
Patricia Henegan	7	SCYP	https://goo.gl/maps/gRXTu9LQoSdbhaMN9
Marisa Vicere	29	Pack 67/Troop 367	https://goo.gl/maps/bDJZwCFfs5w16hg49
Joy Drohan	4	Drohan	https://goo.gl/maps/KcAQU1zFD1BogKqi7
John Corr	17		https://goo.gl/maps/q6U3DknxnBcAaVQw9
Matt Marshall	6		https://goo.gl/maps/8Nuc4vr3o7D9mUeB9
Jennifer Martin	15	Niagara Bottling Milesburg	https://goo.gl/maps/s5394SAV89Ve4xMr8
Adam Scherr	20	Penn State Graduate and Professional Outdoor Club	https://goo.gl/maps/w5EXZPS8qkVUPi7d9
bob belinda	5	Centre Concrete Co.	https://goo.gl/maps/8re3RLo156JwGjpa8
Lara Fowler	30	Penn State water + sustainability students	https://goo.gl/maps/fHiMJNoSYxpEhcs7
Tim Bruggeman	1	Trout Unlimited Spring Creek	https://goo.gl/maps/QFAF68Yy7nTTuHMF6
Dave Watson	1	CCRRA	
Ronald Johnson	11	Bald Eagle-Sierra Club Moshannon Group	https://goo.gl/maps/abq4hkRpGmvbsJb17
Anne Messner	18	Troop 31 B and G	https://goo.gl/maps/y7mbPY19jGhr1RMFA
Robbie Fulton	1		https://goo.gl/maps/h3QKDAhaYP2y47MW6
Tim Bruggeman	4	Trout Unlimited Spring Creek	https://goo.gl/maps/7gsa1HDm7MawSQ5Q8
Suzy Yetter	12		https://goo.gl/maps/c7zW2LWCTLD9Em5UA
Nicole Siekman	30	State College Girl Scouts	https://goo.gl/maps/HVHRVQwZLP8saxQ18
Karly Scala	2	The Scala Family	https://goo.gl/maps/ed1p1f2m1ivkbzDH7
Jennilyn Vallejera	12	Halfmoon Volunteers	https://goo.gl/maps/HWVaVs2LmWAFbmbJa9
Dave Watson	1	CCRRA	
Dave Watson	1	CCRRA	
Dave Watson	1	CCRRA	
Dave Watson	1	CCRRA	
Genie Robine	8		https://goo.gl/maps/hW8ouoHsixSqkjbQ8
Amy Hasan	13	Hasan Family	https://goo.gl/maps/dyD7V9t4GQmJ71FT6
Stephanie Perles	14	Perles-Jones-Woodruff-Schwabs	https://goo.gl/maps/KNUHD8fTG5vTdEcdA
Samantha Walker	6		https://goo.gl/maps/MsFcJa81V7rTdfJF7
David Swisher	2	Swisher	https://goo.gl/maps/9SK2RX3y7iZNacgU8
Lacey Haney	10	Graymont	https://goo.gl/maps/yyjAsbk6zNq6Urpj9



27TH ANNUAL
**WATERSHED
CLEANUP DAY**
SATURDAY, APRIL 22
8 AM-NOON

Gather your friends and neighbors for a fun day in the fresh air as we clean up local streams and open spaces across Central PA! Last year 430 volunteers prevented 12,550 pounds of trash from entering our waterways across 47 sites, and you can help make 2023 the most successful yet.

**TO VOLUNTEER AND SEE ALL EVENT DETAILS, VISIT
WWW.CLEARWATERCONSERVANCY.ORG/WCD
OR SCAN THE CODE BELOW. THANKS FOR JOINING US!**



KEEP
PENNSYLVANIA
Beautiful



27TH ANNUAL WATERSHED CLEANUP DAY: THANK YOU, VOLUNTEERS AND PARTNERS!



On April 22, 2023, ClearWater Conservancy, Centre County Refuse and Recycling Authority, and the Spring Creek Watershed MS4 Partnership hosted the 27th Annual Watershed Cleanup Day, and it was a huge success!

In 4 hours,
500
volunteers

cleared
8,246
pounds of
trash

across
53
sites!

ClearWater would like to extend a huge **THANKS** to the volunteers, partners, and sponsors who supported this event and cleaned up around the streams, streamsides, and open spaces that make this region such a healthy and beautiful place to live!



PARTNERS MAKE IT POSSIBLE!



The Centre County Recycling and Refuse Authority (CCRRA) partnered with ClearWater Conservancy and the MS4 Partners once again this year to make Watershed Cleanup Day a success. In addition to providing technical support, the CCRRA help cover the cost of cleanups and works hard all year round to help collect, properly dispose and recycle Centre County's refuse.



THANK YOU SPONSORS!



THANK YOU PLANNING COMMITTEE!

Maggie Anderson, Tim Bruggeman, Tom Coblenz, Ty Corl, David Dunklebarger, Mardi Frye, Ron Johnson, Sarah Matthews, Andrea Murrell, Deb Nardone, Ron Porter, Genie Robine, Rhonda Rumbaugh, Joanne Shaffer, Donnan Stoicov, Dave Watson

Enjoy the 2023 Photo Gallery!

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2022-2023 Annual Report



Congratulations 2023 Photo Contest Winners!



MCM #3 Illicit Discharge Detection and Elimination Procedures

Last Reviewed with minor revisions June 30, 2023.

Requirement:	Activity to Satisfy Requirement:
3. MCM #3: Illicit Discharge Detection and Elimination (IDD&E). <u>(25 Pa. Code § 92a.32(a) and 40 CFR § 122.34(b)(3))</u> The permittee shall develop, implement and enforce a program to detect and eliminate illicit discharges into the permittee's regulated small MS4. a. BMP #1: The permittee shall develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated small MS4. The program shall include the following: • Procedures for identifying priority areas. These are areas with a higher likelihood of illicit discharges, illicit connections or illegal dumping. Priority areas may include areas with older infrastructure, a concentration of high-risk activities, or past history of water pollution problems. • Procedures for screening outfalls in priority areas. The program shall include dry weather field screening of outfalls for non-stormwater flows, and sampling of dry weather discharges for selected chemical and biological parameters. Test results shall be used as indicators of possible discharge sources. • Procedures for identifying the source of an illicit discharge when a contaminated flow is detected at a regulated small MS4 outfall. • Procedures for eliminating an illicit discharge. • Procedures for assessing the potential for illicit discharges caused by the interaction of sewage disposal systems (e.g., on-lot septic systems, sanitary piping) with storm drain systems. • Mechanisms for gaining access to private property to inspect outfalls (e.g., land easements, consent agreements, search warrants) and for investigating illicit connections and discharges. • Procedures for program documentation, evaluation and assessment. Records shall be kept of all outfall inspections, flows observed, results of field screening and testing, and other follow-up investigation and corrective action work performed under this program. • Procedures for addressing information or complaints received from the public. (1) For new permittees, the IDD&E program shall be developed during the first year following issuance of this permit and shall be implemented and evaluated each year thereafter. (2) For existing permittees, the IDD&E program shall continue to be implemented and evaluated annually.	This document serves as the IDD&E Plan. Priority areas may be identified by land use, past inspection results, and sampling results (if any). Harris Township has no heavily industrialized or commercial areas within the urbanized area. An older area, "the hill," is primarily residential. Outfalls are screened and documented regularly. Mapping, land use, and institutional tools (ordinances) assist in investigation. Ordinance violation enforcement. The urbanized area is predominantly sewered by public sewer. Septic systems require inspections by Centre Region Code on a 3-year cycle. Permission by ordinance. When a potential Illicit material is detected the following steps will be taken: 1. Inspector shall notify the Township Engineer. 2. Township engineer shall visit site and determine if an illicit discharge is present. Testing, as may be deemed necessary by the Township Engineerwill be performed by the Township or by a third party. 3. If an illicit discharge to Waters of the Commonwealth is found to exist, the Township shall notify DEP and the Centre County Conservation district and the owner of the property. Township will follow up until a satisfactory resolution to the issue is achieved. Citizen complaints in reference to a potential Illicit Discharge are to be directed to the Township Engineer. Township Engineer will follow steps 2 and 3 as noted above. All reports of spills and/or illicit discharges are to be documented in the Inspector Log located within the Township Engineer's office.

Requirement:	Activity to Satisfy Requirement:
b. BMP #2: The permittee shall 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) For new permittees, the map(s) must be developed and submitted to DEP as an attachment to an Annual MS4 Status Report by September 30, 2022 or the fourth (4th) Annual MS4 Status Report following issuance of this permit, whichever is later. (2) For existing permittees, the existing map(s) shall be updated and maintained as necessary during each year of coverage under this permit.	The Township employs an in-house GIS technician (Shane Adams) who regularly maintains the MS4 map, including any minor pipeline relocations by Public Works staff or new line placement by developers. The Township monitors and inspects BMPs and stormwater outfalls both within and beyond the Urbanized Boundary. The Township monitors and inspects public and private BMPs and stormwater outfalls. Mapping is updated as necessary.

Requirement:	Activity to Satisfy Requirement:
c. 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) For new permittees, the map(s) must be developed and submitted to DEP as an attachment to an Annual MS4 Status Report by September 30, 2022 or the fourth (4th) Annual MS4 Status Report following issuance of this permit, whichever is later. (2) For existing permittees, the existing map(s) shall be updated and maintained as necessary during each year of coverage under this permit.	The Township employs an in-house GIS technician (Shane Adams) who regularly maintains the MS4 map, including any minor pipeline relocations by Public Works staff or new line placement by developers. The Township monitors and inspects BMPs and stormwater outfalls both within and beyond the Urbanized Boundary. The Township monitors and inspects public and private BMPs and stormwater outfalls.

Requirement:	Activity to Satisfy Requirement:
d. BMP #4: The permittee shall conduct dry weather screenings of its MS4 outfalls and observation points 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, in accordance with Part A III.D.4 of this permit. An observation point must be established by the permittee at a location upstream of any discharge of stormwater into storm sewers owned or operated by an adjoining municipality. (1) For new permittees, all of the identified regulated small MS4 outfalls shall be screened during dry weather at least twice within the 5-year period following issuance of this permit. (2) For existing permittees, each of the identified regulated small MS4 outfalls shall be screened during dry weather at least once by June 30, 2025. For areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls shall be screened annually during each year of permit coverage. (3) If a discharge is observed from any outfall during dry weather screenings, the discharge shall be inspected for color, odor, floating solids, scum, sheen, and substances that result in observed deposits in the surface waters. In addition, the discharge cannot contain substances that result in deposits in the receiving water or produce an observable change in the color, odor or turbidity of the receiving water. If the discharge exhibits any of the above characteristics, or contains any other pollutants or causes an observed change in the surface waters, the permittee shall sample the discharge(s) for field and/or laboratory analysis of one or more common IDD&E parameters in order to determine if the dry weather flow is illicit. Possible parameters include, but are not limited to: pH, Conductivity, Fecal Coliform bacteria, Heavy Metals, Chemical Oxygen Demand (COD), 5-day Biochemical Oxygen Demand (BOD5), Total Suspended Solids (TSS), Total Dissolved Solids (TDS), Oil and Grease, Total Residual Chlorine (TRC) and Ammonia-Nitrogen. Proper quality assurance and quality control procedures shall be followed when collecting, transporting or analyzing water samples. The permittee shall retain sample results with the inspection report in accordance with Part A III.B of this permit. (4) Each time an outfall is screened, the permittee shall record outfall observations, regardless of the presence of dry weather flow. All outfall inspections shall be documented on the MS4 Outfall Field Screening Report form (3800-FM-BCW0521), or equivalent. The report must be signed by the inspector and be maintained by the permittee in accordance with Part A III.B of this permit. If an outfall flow is determined by the permittee to be illicit, the actions taken to identify and eliminate the illicit flow shall also be documented. (5) The permittee shall summarize the results of outfall inspections and actions taken to remove or correct illicit discharges in Annual MS4 Status Reports. (6) If the permittee determines that an outfall cannot be accessed due to safety or other reasons, the permittee shall establish an “observation point” at an appropriate location prior to the outfall where outfall field screening shall be performed. If observation points are established by the permittee, such points shall be identified on the map required under BMP #2 of this section.	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, in accordance with Part A III.D.4 of this permit. An observation point must be established by the permittee at a location upstream of any discharge of stormwater into storm sewers owned or operated by an adjoining municipality. – PennDOT only Evaluation of a minimum 20% of the outfalls during dry-weather was completed and documented. No sampling was required this period. Sampling kits are available on the engineering shelf. All inspections are recorded in GIS. Steps will be incorporated into Annual Reports. Outfalls and observation points are coordinated by GIS.

(7) Permittees must ensure that outfalls are properly maintained in accordance with Part C I.B.6.b of this Permit.	Maintenance is regularly referred to Public Works or HOAs as appropriate.
Requirement:	Activity to Satisfy Requirement:
e. 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) Municipal permittees shall submit a copy of an ordinance that is consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2024 (existing permittees) or the fourth (4th) Annual MS4 Status Report following approval of coverage under this Permit (new permittees). (2) Permittees that lack the authority to enact ordinances (non-municipal permittees and counties) shall develop and adopt an SOP that prohibits non-stormwater discharges consistent with this Permit, and shall submit a copy of the SOP as an attachment to an Annual MS4 Status Report by September 30, 2024 (existing permittees) or the fourth (4th) Annual MS4 Status Report following approval of coverage under this Permit (new permittees). (3) Notice must be provided to DEP of the approval of any waiver or variance by the permittee that allows an exception to non-stormwater discharge provisions of an ordinance or SOP. This notice shall be submitted in the next Annual MS4 Status Report following approval of the waiver or variance.	Municipal ordinance shall be passed prior to September 30, 2024. None this reporting period
Requirement:	
f. 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) During each year of permit coverage, appropriate educational information concerning illicit discharges shall be distributed to the target audiences using methods outlined under MCM #1. The permittee shall establish and promote a stormwater pollution reporting mechanism (e.g., a complaint line with message recording) by the end of the first year of Permit coverage for the public to use to notify the permittee of illicit discharges, illegal dumping or outfall pollution. The permittee shall respond to all complaints in a timely and appropriate manner. The permittee shall document all responses, including the action taken, the time required to take the action, and whether the complaint was resolved successfully. (2) Educational outreach may include: distribution of brochures and guidance for target audiences including schools; programs to encourage and facilitate public reporting of illicit discharges; organizing volunteers to locate and visually inspect outfalls and to stencil storm drains; and implement and encourage recycling programs for common wastes such as motor oil, antifreeze and pesticides.	Portions of (1) are performed in coordination with the CCCD per the MOU. Messages may be left with the Township. An investigative reporting form is available on the Township website. Compliance is maintained through distribution of the "Illicit Discharges in Spring Creek Watershed" pamphlet distribution.

Jere Northridge

From: Randis, Thomas <trandis@pa.gov>
Sent: Wednesday, August 24, 2022 7:05 AM
To: Jere Northridge; Hughes, Anne; Jordan, Michael; Alcorn, Clarissa
Cc: Dressler, Jared
Subject: RE: [External] Spill Report

Thank you Mr. Northridge,

Notification received on behalf of the operator, GOH. Please let Ms. Alcorn know as clean up progresses.

Also note that you utilized appropriate due diligence regarding the DEP 24 hour number. I have cc:ed the Acting RD as this is not the first time that outside folks have not been able to reach a “live” individual. Please note that it is acceptable to leave a voicemail (if you were able – not sure if that worked either) and someone may call you back. Thank you. Tom

Mr. Thomas M. Randis | Program Manager
Department of Environmental Protection | Clean Water
North Central Regional Office
208 West Third Street Suite 101 | Williamsport PA 17701
Phone: 570.327.0530 | Fax: 570.327.3565



From: Jere Northridge <jnorthridge@collegetownship.org>
Sent: Tuesday, August 23, 2022 4:43 PM
To: Randis, Thomas <trandis@pa.gov>; Hughes, Anne <annehughes@pa.gov>; Jordan, Michael <micjordan@pa.gov>; Alcorn, Clarissa <clalcorn@pa.gov>
Subject: [External] Spill Report

ATTENTION: *This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).*

Harris Township is attempting to report a spill beyond the urbanized area in accordance with best practices but not MS4 related. No answer at 570.327.3636. No eminent threat to aquatic life or downstream users.

During a roadway paving operation, Township contractor GOH tacked the road prior to overlay. A microburst mobilized tack to the stormwater basin where foaming and ultimately a “plasticizing” of foam occurred. GOH removed as much plasticized material as possible; water-based tack remains puddled in basin.

Location: Huntridge Manor, intersection of 101 Forbes Field and 665 Rosslyn Road.

Photos attached.

Cell – 814.769.6040

Thank You,

Jere Northridge, P.E.

College Township | Assistant Township Engineer | JNorthridge@CollegeTownship.org

1481 E College Ave | State College PA 16801 | P: 814-231-3021 | F: 814-231-3020

www.CollegeTownship.org



Please consider the environment before printing this email and any attachments

Harris Township Outfall Inventory 2023

Outfall ID	In Urbanized Area	Inspection Year	Type of Discharge	Inspection Method	Diameter	Material	Subwatershed	Long	Lat	Year Discovered	Comment	In PRP
8	Yes	2023	Outfall	Survey 123	24	cmp	Spring Creek	-77.47564131	40.46324972			
9	Yes	2023	Outfall	Survey 123	24	hdpep	Blue Spring	-77.47555599	40.46327792			
12	Yes	2023	Outfall	Survey 123	36	cmp	Spring Creek	-77.47352559	40.46501777			
13	Yes	2023	Outfall	Survey 123	36	cmp	Spring Creek	-77.47352426	40.46497429			
17	Yes	2023	Outfall	Survey 123	30	cmp	Tanner Run	-77.47139801	40.46324886			
18	Yes	2023	Outfall	Survey 123	15	rcp	Spring Creek	-77.47119367	40.46326683			
19	Yes	2023	Outfall	Survey 123	18	cmp	Tanner Run	-77.47093142	40.46330039			
20	Yes	2023	Outfall	Survey 123	30	hdpep	Tanner Run	-77.47087034	40.46331523			
21	Yes	2023	Outfall	Survey 123	15	hdpep	Tanner Run	-77.47075857	40.46334293			
33	Yes	2023	Outfall	Survey 123	15	cmp	Spring Creek	-77.46035128	40.46501045			
34	Yes	2023	Outfall	Survey 123	18	cmp	Spring Creek	-77.45585592	40.46514676			
35	Yes	2023	Outfall	Survey 123	18	hdpep	Spring Creek	-77.45563493	40.46509936			
15	Yes	2023	Outfall	Survey 123	42	cmp	Spring Creek	-77.47257854	40.4640383			
1	Yes	2023	Observation Point	Survey 123	18	cmp	Spring Creek	-77.47451958	40.47177633			
2	Yes	2023	Outfall	Survey 123	18	cmp	Spring Creek	-77.47569012	40.47110076			
3	Yes	2023	Outfall	Survey 123	18	cmp	Spring Creek	-77.47596902	40.47089657			
14	Yes	2023	Outfall	Survey 123	18	Vitrified Clay	Spring Creek	-77.47303514	40.46439348			
23	No	2023	Observation Point	Survey 123	18	cmp	Spring Creek	-77.46488548	40.46381816			
24	Yes	2023	Outfall	Survey 123	18	hdpep	Spring Creek	-77.46596861	40.46393701			
31	Yes	2023	Outfall	Survey 123	42	cmp	Spring Creek	-77.46193962	40.46513752			
4	Yes	2022	Outfall	Survey 123	18	cmp	Spring Creek	-77.47507747	40.47078973			
7	Yes	2022	Observation Point	Survey 123	18	cmp	Spring Creek	-77.480922	40.46478788			
16	Yes	2022	Observation Point	Survey 123	15	hdpep	Tanner Run	-77.78875862	40.77612991			
25	Yes	2022	Outfall	Survey 123	18	cmp	Spring Creek	-77.46465572	40.46473683			
26	No	2022	Observation Point	Survey 123	15	cmp	Spring Creek	-77.46388028	40.46409374			
27	No	2022	Observation Point	Survey 123	30	cmp	Spring Creek	-77.4636807	40.46439742			
28	No	2022	Observation Point	Survey 123	15	cmp	Spring Creek	-77.46533925	40.47012381			
29	No	2022	Observation Point	Survey 123	24	cmp	Spring Creek	-77.46382083	40.4658594			
36	Yes	2022	Outfall	Survey 123	18	hdpep	Spring Creek	-77.45344598	40.46527845			
40	Yes	2022	Observation Point	Survey 123	12	hdpep	Spring Creek	-77.7623941	40.7858329		2021	
41	No	2022	Observation Point	Survey 123	18	hdpep	Spring Creek	-77.7330761	40.7815485		2021	
42	Yes	2022	Observation Point	Survey 123	15	hdpep	Spring Creek	-77.812103	40.777994		2022	
43	Yes	2022	Observation Point	Survey 123	36	cmp	Spring Creek	-77.7330761	40.77808		2022	
5	Yes	2018	Outfall	Paper Based Inspection	18	hdpep	Spring Creek	-77.47521237	40.47018995			
6	Yes	2018	Observation Point	Paper Based Inspection	42	cmp	Spring Creek	-77.48078701	40.46530772			
10	Yes	2018	Outfall	Paper Based Inspection	30	cmp	Spring Creek	-77.47534635	40.46454374			
11	Yes	2018	Outfall	Paper Based Inspection	15	hdpep	Spring Creek	-77.47449854	40.4659531			
22	No	2018	Observation Point	Paper Based Inspection	18	cmp	Spring Creek	-77.46549463	40.46353495			
30	No	2018	Observation Point	Survey 123	24	cmp	Cedar Run	-77.46340172	40.47177736			
32	Yes	2018	Outfall	Paper Based Inspection	15	cmp	Spring Creek	-77.46031566	40.46512155			
37	No		Observation Point	Survey 123	15	hdpep	Roaring Run	-77.8174553	40.768732		2021	
38	No		Observation Point	Survey 123	15	hdpep	Roaring Run	-77.8193022	40.7669796		2021	
39	No		Observation Point	Survey 123	24	hdpep	Spring Creek	-77.7803222	40.789386		2021	



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 17, 2023 8:00 PM	Outfall ID No.: 1
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7882675770735</u>
	Longitude: <u>-77.79588771704</u>
	Dry Weather Inspection?
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>18</u> in	With Sediment *See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

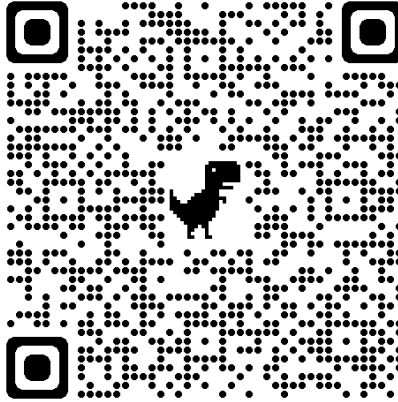
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: 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).					

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Responsible Official Name	Signature
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Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 17, 2023 8:00 PM	Outfall ID No.: 2
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7863909877007</u>
	Longitude: <u>-77.799139221852</u>
	Dry Weather Inspection?
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>18</u> in	With Sediment *See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

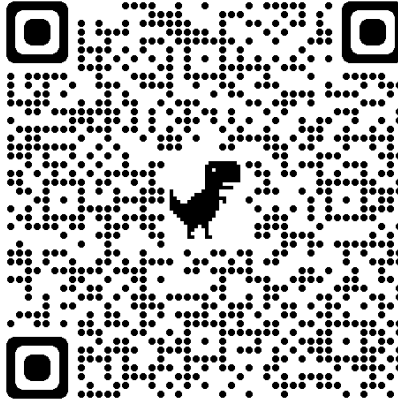
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Full of sediment, needs cleaned					
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).					

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 17, 2023 8:00 PM	Outfall ID No.: 3
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7858237913662</u>
	Longitude: <u>-77.799913934794</u>
	Dry Weather Inspection?
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular	Diameter: <u>18</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

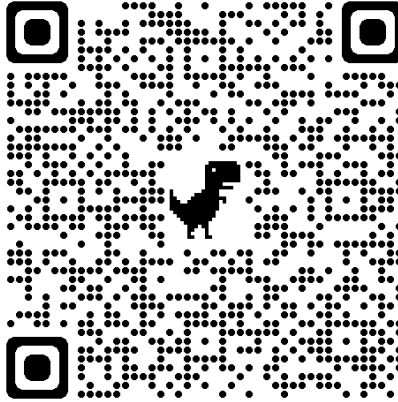
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Heavy vegetation					
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).					

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 17, 2023 8:00 PM	Outfall ID No.: 8
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7756936723873</u>
	Longitude: <u>-77.7990036376641</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>24</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? **If Yes, provide a description below.**

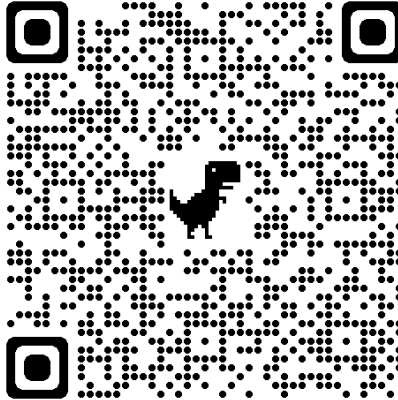
Does the dry weather flow contain an odor? **If Yes, provide a description below.**

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Pipe crushed					
RESPONSIBLE OFFICIAL CERTIFICATION					
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Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 17, 2023 8:00 PM	Outfall ID No.: 9
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7757720043226</u>
	Longitude: <u>-77.7987666383991</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	HDPE	Circular, Double	Diameter: <u>24</u> in	In Water *See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? **If Yes, provide a description below.**

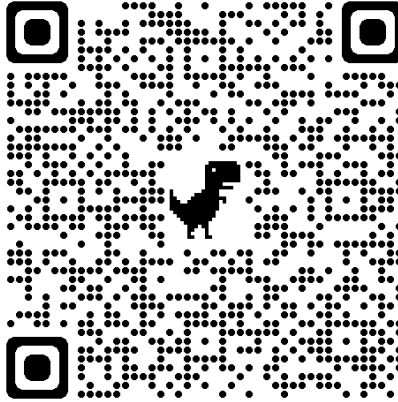
Does the dry weather flow contain an odor? **If Yes, provide a description below.**

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Standing water from blue spring					
RESPONSIBLE OFFICIAL CERTIFICATION					
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Responsible Official Name	Signature
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Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 12
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7806049046303</u>
	Longitude: <u>-77.7931266372145</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>36</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? **If Yes, provide a description below.**

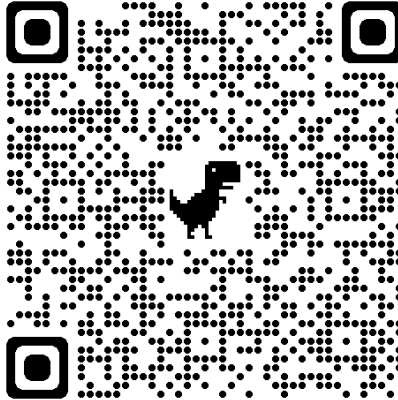
Does the dry weather flow contain an odor? **If Yes, provide a description below.**

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Spring Creek back flow					
RESPONSIBLE OFFICIAL CERTIFICATION					
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Responsible Official Name	Signature
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Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 13
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7804841406248</u>
	Longitude: <u>-77.7931229473835</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>36</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? **If Yes, provide a description below.**

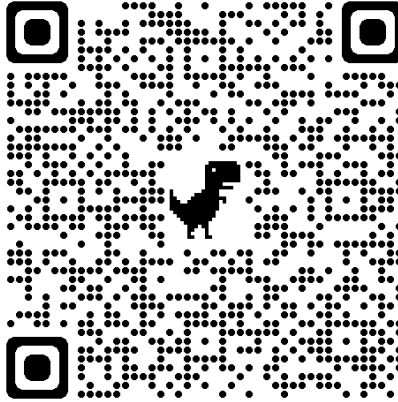
Does the dry weather flow contain an odor? **If Yes, provide a description below.**

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Spring creek back flow					
RESPONSIBLE OFFICIAL CERTIFICATION					
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Responsible Official Name	Signature
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Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 14
Land Uses in Outfall Drainage Area (Select All): Commercial, Suburban Residential	Latitude: <u>40.7788707782615</u>
	Longitude: <u>-77.7917642885392</u>
	Dry Weather Inspection?
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	Other	Circular	Diameter: <u>18</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

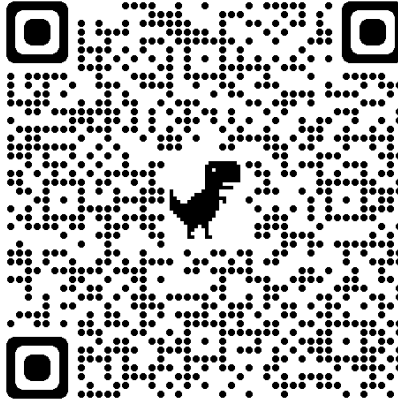
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: In spring creek. Vitrified clay pipe					
RESPONSIBLE OFFICIAL CERTIFICATION					
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Responsible Official Name	Signature
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MS4 OUTFALL FIELD SCREENING REPORT

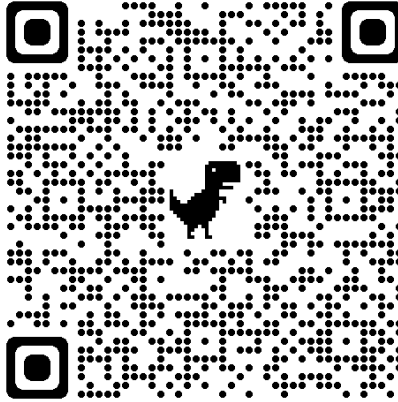
BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		Outfall ID No.: 15		
Land Uses in Outfall Drainage Area (Select All): Commercial, Suburban Residential		Latitude: 40.7778841758656		
		Longitude: -77.7904959403242		
		Dry Weather Inspection?		
		Date of Previous Precipitation: May 12, 2023		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☐ Yes ☐ No		
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: 42 in	In Water
				*See comments
☐ Open Channel				
Dry Weather Flow Present at Outfall During Inspection? Yes (If No, skip to Certification Section)				
Description of Flow Rate: Moderate				
DRY WEATHER FLOW EVALUATION				
Does the dry weather flow contain color? No If Yes, provide a description below.				
Does the dry weather flow contain an odor? No If Yes, provide a description below.				
Is there an observed change in the receiving waters as a result of the discharge? No				

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? No If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? 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: _____			Oil and Grease		mg/L
Other: _____			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: Spring					

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).	

Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 17
Land Uses in Outfall Drainage Area (Select All): Suburban Residential	Latitude: <u>40.776</u>
	Longitude: <u>-77.787</u>
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular	Diameter: <u>30</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

Does the dry weather flow contain an odor? If Yes, provide a description below.

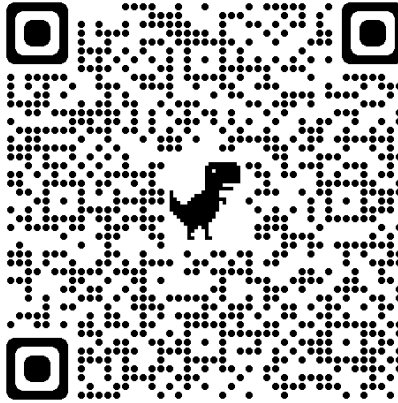
Is there an observed change in the receiving waters as a result of the discharge?
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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:					

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).	
Jere Northridge	

Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:



Permittee Name: Harris Township	NPDES Permit No.: PA 1134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 18
Land Uses in Outfall Drainage Area (Select All): Suburban Residential	Latitude: <u>40.776</u>
	Longitude: <u>-77.787</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	HDPE	Circular	Diameter: <u>18</u> in	In Water *See comments
☐ Open Channel				

Description of Flow Rate:

Does the dry weather flow contain color? If Yes, provide a description below.

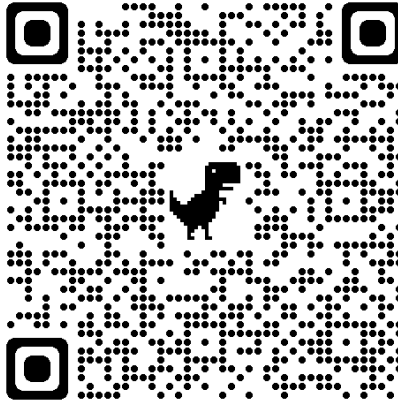
Is there an observed change in the receiving waters as a result of the discharge?
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: 29'3" road outfall 6' from utility pold					

RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>

Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:



Permittee Name: Harris Township	NPDES Permit No.: PA 1134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 19
Land Uses in Outfall Drainage Area (Select All): Suburban Residential	Latitude: <u>40.776</u>
	Longitude: <u>-77.786</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular	Diameter: <u>36</u> in	In Water
☐ Open Channel				*See comments

Description of Flow Rate: Moderate

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

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

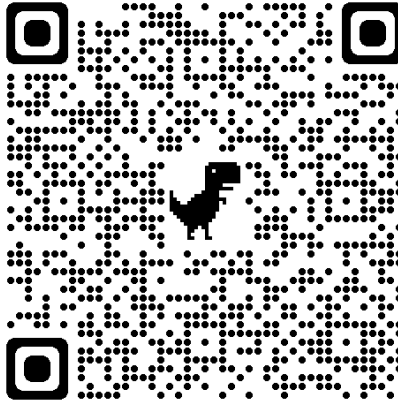
Is there an observed change in the receiving waters as a result of the discharge? No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? No If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? 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: _____			Oil and Grease		mg/L
Other: _____			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: Intermittent stream. 5ft by 2ft arc. No upstream bar rack. Spring fed					

RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>

Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 20
Land Uses in Outfall Drainage Area (Select All): Suburban Residential	Latitude: <u>40.776</u>
	Longitude: <u>-77.786</u>
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	HDPE	Circular	Diameter: <u>15</u> in	With Sediment *See comments
☐ Open Channel				

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

Description of Flow Rate: **Moderate**

DRY WEATHER FLOW EVALUATION

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

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

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

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

Were sample(s) collected of the dry weather flow? 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: _____			Oil and Grease		mg/L
Other: _____			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.
--

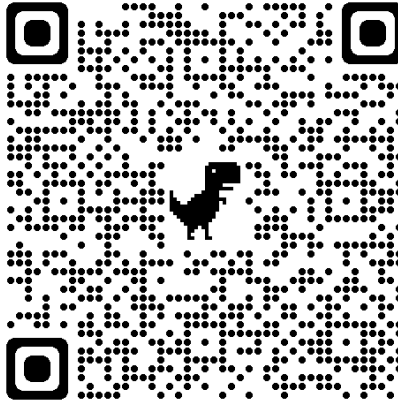
Inspector Comments: 1/2 full sediment, intermittent stream
--

RESPONSIBLE OFFICIAL CERTIFICATION

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Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 21
Land Uses in Outfall Drainage Area (Select All): Suburban Residential	Latitude: <u>40.776</u>
	Longitude: <u>-77.785</u>
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	HDPE	Circular	Diameter: <u>15</u> in	With Sediment *See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? ☐ If Yes, provide a description below.

Does the dry weather flow contain an odor? ☐ If Yes, provide a description below.

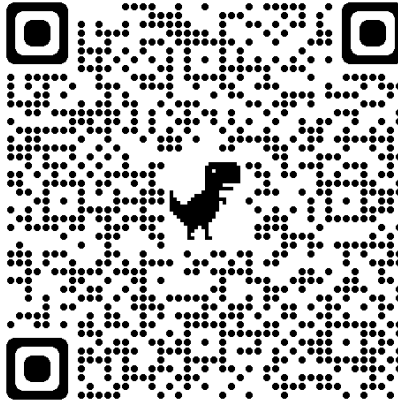
Is there an observed change in the receiving waters as a result of the discharge?
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Full of sediment					

RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	

Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:



MS4 OUTFALL FIELD SCREENING REPORT

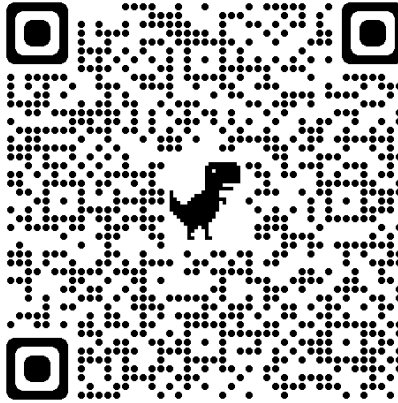
BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		Outfall ID No.: 23		
Land Uses in Outfall Drainage Area (Select All): Suburban Residential		Latitude: 40.777		
		Longitude: -77.78		
		Dry Weather Inspection?		
		Date of Previous Precipitation: May 12, 2023		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☐ Yes ☐ No		
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular	Diameter: 15 in	In Water
				*See comments
☐ Open Channel				
Dry Weather Flow Present at Outfall During Inspection? No (If No, skip to Certification Section)				
Description of Flow Rate:				
DRY WEATHER FLOW EVALUATION				
Does the dry weather flow contain color? If Yes, provide a description below.				
Does the dry weather flow contain an odor? If Yes, provide a description below.				
Is there an observed change in the receiving waters as a result of the discharge? If Yes, provide a description below.				

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Standing water					

RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>

Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:



Permittee Name: Harris Township	NPDES Permit No.: PA 1134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 24
Land Uses in Outfall Drainage Area (Select All): Suburban Residential	Latitude: <u>40.7776027982784</u>
	Longitude: <u>-77.7832461452172</u>
	Dry Weather Inspection?
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

[illegible]

Description of Flow Rate: Moderate

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

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

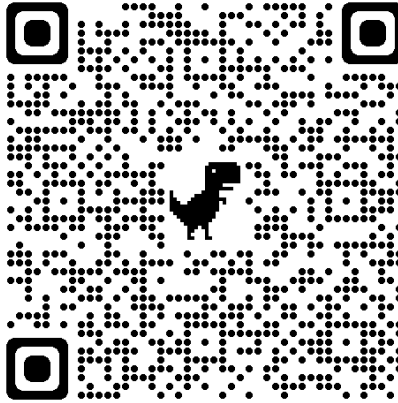
Is there an observed change in the receiving waters as a result of the discharge? No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? No If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? 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: _____			Oil and Grease		mg/L
Other: _____			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: Spring					

RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>

Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 17, 2023 8:00 PM	Outfall ID No.: 31
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7809375484055</u>
	Longitude: <u>-77.772054489318</u>
	Dry Weather Inspection?
	Date of Previous Precipitation: May 12, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>42</u> in	Other *See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

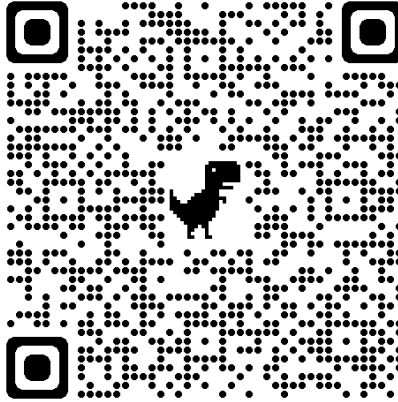
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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: Heavy vegetation around pipe					
RESPONSIBLE OFFICIAL CERTIFICATION					
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Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 33
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7805845771972</u>
	Longitude: <u>-77.7676424522629</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 11, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular, Single	Diameter: <u>15</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? **If Yes, provide a description below.**

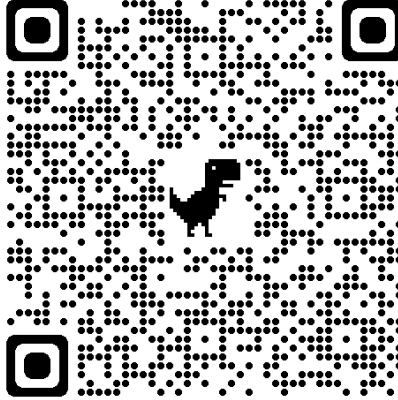
Does the dry weather flow contain an odor? **If Yes, provide a description below.**

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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:					
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).					

Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 34
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.7809632237542</u>
	Longitude: <u>-77.76626645565</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 11, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	CMP	Circular	Diameter: <u>18</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

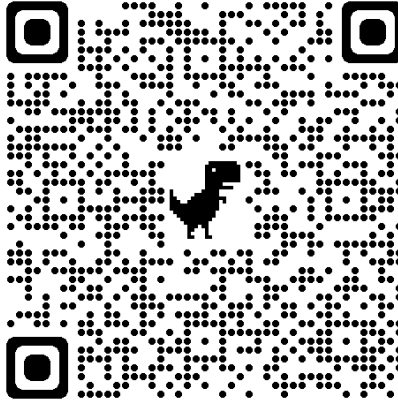
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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:					
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).					

Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Harris Township	NPDES Permit No.: PA I134801
Date of Inspection: May 16, 2023 8:00 PM	Outfall ID No.: 35
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential	Latitude: <u>40.780831565676</u>
	Longitude: <u>-77.7656525958617</u>
	Dry Weather Inspection? Yes
	Date of Previous Precipitation: May 11, 2023
	Amount of Previous Precipitation: .01 in
Inspector Name(s): Shane Adams	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	HDPE	Circular	Diameter: <u>15</u> in	*See comments
☐ Open Channel				

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

Description of Flow Rate:

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? If Yes, provide a description below.

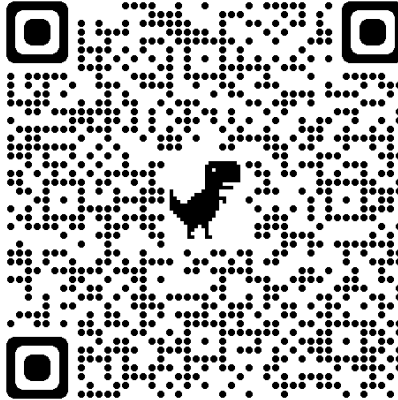
Does the dry weather flow contain an odor? If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?

If Yes, provide a description below.					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? If Yes, provide a description below.					
Were sample(s) collected of the dry weather flow? (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: _____			Oil and Grease		mg/L
Other: _____			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:					
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).					

Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814) 231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of outfalls:



ILLICIT DISCHARGES IN THE SPRING CREEK WATERSHED



For more information, contact the Water Resources Specialist at 814-237-0400 or visit us at www.ms4partners.org.

What is an *illicit discharge*?

Our storm drains are designed to capture and transport one type of discharge: storm water, generated by precipitation events like rain and snow storms, or by snow melt.

The EPA defines an illicit discharge as, “any discharge to the municipal separate storm sewer system (MS4) that is not composed entirely of stormwater, discharges allowed under a NPDES permit, or waters used for firefighting operations.” This means that any flow through the storm water system when no precipitation is falling (called a “dry weather” flow) is considered to be illicit.



Common sources of illicit discharges include:

- *Disposal of potable water prior to dechlorination*
- *Floor drains connected to the storm water system*
- *Run-off from washing vehicles or other equipment near storm drains*
- *Illegal dumping practices*

Aren't our sewers designed to handle this?

Sanitary sewer systems (those connected to your plumbing) can handle polluted water from urban and suburban areas, because these systems are designed to treat the water before it is released into local waterways.

Storm sewers simply act as a conduit for water from areas with high concentrations of impervious surfaces (paved roads, rooftops, etc.) to local waterways.



Remember, the rule of thumb is:

If it doesn't fall from the sky as precipitation, it isn't allowed in the storm water system!

Why are illicit discharges a problem?

Illicit discharges, generated as they are by flow that is unassociated with normal precipitation events, usually contain increased levels of pollutants, including toxic chemicals, oils, solvents, sediment, nutrients, and bacteria.

These pollutants have the potential to negatively affect the health of the waterways that receive the outflow from the MS4. This can impair not only the ecological health of the watershed, but also the recreational and economic health. For example, if trout are experiencing die-offs, fly fishermen will not vacation here, and a source of regional income will be lost.



Are illicit discharges a problem here?

Fortunately, here in the Centre Region, we have a community that cares for the health of our watershed, and municipalities that work hard to ensure that this health is maintained. We therefore have few illicit discharges to worry about.

However, this is no reason not to remain vigilant. The EPA cites a case from Sacramento, California wherein, "...almost one-half of the water discharged from a local MS4 was not directly attributable to precipitation runoff." If we want to avoid these types of conditions, we must be careful with our waste and continue to monitor our water.

What can you do?

Avoid washing vehicles or other equipment in areas where the used water can run into storm drains.

Never dispose of anything (including chlorinated, potable water) by pouring it into drainage systems meant for storm water collection. These materials must be handled by the proper authority (consult Centre County Recycling & Refuse Authority).

Check to see if your establishment's floor drains are connected to the storm water system. If they are, do not use them for disposal!

Ensure that all potential pollutants (including trash bags) are stored indoors or in water-tight containers with no leaks.



What are the municipalities doing?

- Monitoring for discharges during dry periods
- Responding to reports of illicit discharges
- Street sweeping and installing filter bags to keep sediment and debris out of storm water
- Maintaining systems to remove oil and grit from storm water
- Enforcing local illicit discharge ordinances (check with your municipality to find out their policy)

The MS4 Partners

- MS4 is short for a "Municipal Separate Storm Sewer System."
- This program gives the partner municipalities storm water permits, and requires them to:
 1. Develop and implement a storm water management program
 2. Reduce the contamination of storm water runoff
 3. Prohibit illicit discharges
- Illicit Discharge Detection and Elimination is just one of six minimum control measures related to storm water management that the participating municipalities must include in their management plans.

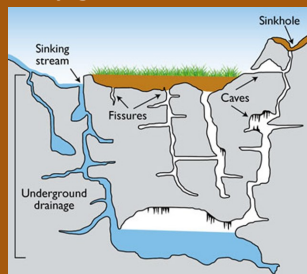


PENNSTATE.



The Spring Creek Watershed

Our watershed is mostly underlain by limestone and dolomite geology, collectively known as carbonate formations. Sinkholes form where slightly acidic rainwater slowly dissolves the carbonate bedrock, forming karst geology. Sinkholes facilitate fast movement of pollutants into groundwater, bypassing soil's natural filter. In our watershed, groundwater contamination leads to surface pollution because over 80% of surface waters are fed by groundwater.



Many stormwater outfalls carrying potential illicit discharges drain into sinkholes, creating a direct link to our groundwater resources.

Summary

- An illicit discharge is any flow in the storm sewer that does not consist entirely of precipitation.
- Although illicit discharges are not currently a problem here, only monitoring and vigilance by both municipalities and community members can ensure the continued health of our watershed.
- If you notice any activity that could constitute or result in an illicit discharge, report it to your local municipality!

For more information, check the municipalities' illicit discharge permits:

<http://www.statecollegepa.us/DocumentCenter/View/10531>

<http://legacy.opp.psu.edu/services/stormwater/illicit-discharge-detection-and-elimination>

MEMORANDUM OF UNDERSTANDING (MOU)
between
HARRIS TOWNSHIP
and
CENTRE COUNTY CONSERVATION DISTRICT (CCCD)
for
**ADMINISTRATION OF EROSION AND SEDIMENTATION CONTROL PLANS AND
NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PLANS**

I. INTENT OF PARTICIPANTS

The intent of this MOU is to document the procedures and delegation of responsibilities relative to the administration of Erosion and Sedimentation Control plans and NPDES plans associated with land development or subdivision. This MOU is intended to meet the requirements of the Pennsylvania Department of Environmental Protection's Municipal Separate Storm Sewer System (MS4) Permit Part A.2.h (Sharing Responsibility) for Minimum Control Measures (MCM's) #4, and Best Management Practices 1 through 3 of MCM #5.

II. BACKGROUND

The CCCD has a delegation agreement with the Department of Environmental Protection (DEP) to administer the applicable regulations of Pennsylvania Code, Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control (Chapter 102). The CCCD administers and reviews Erosion and Sedimentation Control plans to verify compliance with Chapter 102. The CCCD administers General and Individual NPDES permit applications for compliance with Chapter 102. For General NPDES permit applications, the CCCD conducts an administrative review of the Post Construction Stormwater Management (PCSM) component. For Individual NPDES permit applications, the CCCD conducts an administrative review and the DEP conducts a technical review of the PCSM component. For General and Individual NPDES permits, The CCCD reviews the as built PCSM plans and the recorded Stormwater Management Operation and Maintenance Plan as part of the NPDES permit termination process. The Harris Township Act 167 Stormwater Management Ordinance requires that projects having over 5,000 square feet of disturbance have an approved Erosion and Sedimentation Control plan.

III. EROSION AND SEDIMENTATION CONTROL PROCEDURE

- A. For projects with over 5,000 square feet of disturbance, The CCCD agrees to review Erosion and Sedimentation Control plans in accordance with the applicable regulations of Pennsylvania Code, Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control. Upon receipt of an acceptable Erosion and Sedimentation Control plan, the CCCD will submit a copy of the approval letter to Harris Township.
- B. For projects with over 5,000 square feet of disturbance, Harris Township will not issue final approval of the land development or subdivision plan until such time as an Erosion and Sedimentation Control plan approval letter from the CCCD has been received.
- C. When on-site inspections of the construction are performed by the CCCD, the CCCD will submit a copy of the inspection findings to Harris Township.
- D. The Township will notify the CCCD via e-mail of any suspected deficiencies in the implemented Erosion and Sedimentation Control features that may be noted by Harris Township staff or as may be reported by residents.

E. CCCD will respond to Harris Township stating the findings of the CCCD relative to the Township notification.

F. CCCD will notify Harris Township when final stabilization of the project has been approved.

IV. NPDES PROCEDURE

A. For projects requiring a General NPDES permit, the CCCD agrees to review the General NPDES permit application and the Erosion and Sediment Control Plan in accordance with the applicable regulations of Pennsylvania Code, Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control. Upon receipt of an acceptable General NPDES permit and E&S plan, the CCCD will submit a copy of the approval letter to Harris Township.

B. For General and Individual NPDES permits, the CCCD agrees to inspect the as built PCSM facilities and to review documents prepared by the responsible professional relative to the as built conditions of the PCSM and verify that the Stormwater Management Ownership and Maintenance Plan has been recorded at the Centre County Recorder of Deeds office, as part of the NPDES permit termination process. Harris Township will perform spot site inspections during construction of the PCSM.

V. ADMINISTRATIVE PROVISIONS

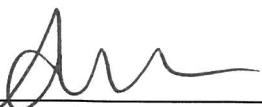
A. Nothing in this MOU is intended to or will be construed to limit or affect in any way the authority or legal responsibilities of Participants.

B. Nothing in this MOU binds the Participants to perform beyond their respective authorities.

C. This agreement is rendered void if the Department of Environmental Protection changes the delegation status of the CCCD such that the CCCD is no longer responsible for the administration of Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control.

VI. TERM OF THE AGREEMENT

This MOU will take effect on January 1, 2016 and will remain in effect until such time as either Participant shall notify the other Participant that they no longer wish to participate in the MOU. Intent to terminate must be made via letter a minimum of 30 days prior to the termination date.



Harris Township
By: Amy K. Farkas, Harris Township Manager

12/9/15

Date

Centre County Conservation District
By: Robert Shannon, Chairman CCCD

Date

Requirement:	Compliance:
4. MCM #4: Construction Site Stormwater Runoff Control. (<u>25 Pa. Code § 92a.32(a)</u> and <u>40 CFR § 122.34(b)(4)</u>) The permittee shall implement the BMPs identified below. a. 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. b. BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable county conservation district (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. c. 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) Municipal permittees shall enact, implement, and enforce an ordinance to require the implementation of E&S control BMPs, including sanctions for non-compliance. All municipal permittees shall submit a copy of an ordinance that is consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2024 (existing permittees) or the fourth (4th) Annual MS4 Status Report following issuance of this permit (new permittees). (2) Permittees that lack the authority to enact ordinances shall develop, implement and enforce an SOP to require the implementation and maintenance of E&S control BMPs by September 30, 2024 (existing permittees) or the first Annual MS4 Status Report following approval of coverage under this Permit (new permittees).	Permits are required by Ordinance from all entities holding jurisdiction; Chapter 102 compliance is specifically mentioned; where 102 has exceptions, more stringent Ordinance still require E&S. Coordination is regularly cited within comment letters to developer and Council approval conditions. All notifications to CCCD are made by Stormwater Engineer upon initiating a review. Codified at 13-3.5 and incorporated into Zoning Packets.

HARRIS TOWNSHIP

Post Office Box 20, 224 East Main Street, Boalsburg, PA 16827
Website: www.harristownship.org

(814) 466-6228
(814) 466-3396

July 28, 2023

Mr. Todd Shea, Zoning Officer
Harris Township
P.O. Box 20
Boalsburg, PA 16827-0020

RE: Kaywood North Estates – Phase 2 – Final Plan

Dear Todd:

With respect to the above-referenced plan dated July 11, 2023, with no revisions noted, I offer the following comments:

1. Plan Sheet 2 of 9, Plan Sheet 3 of 9 Note 23: Clarify the process and timing by which the subdivision and transfer of Township lands to the Developer shall occur.
2. Plan Sheet 2 of 9; Plan Sheet 3 of 9 Note 25: The relocation of mailboxes has been a topic of significant public interest.
3. Plan Sheet 3 of 9: Populate blanks in 1.d.
4. Plan Sheet 3 of 9: Populate blanks in note 12.
5. Plan Sheet 3 of 9: Expand note 12 to include “Surety shall be posted for street trees by Developer.”
6. Plan Sheet 3 of 9: Consider an addition to note 12 to provide a sunset provision on street tree installation, such as “Within 4 years of roadway dedication or upon occupancy of six (6) Phase 2 lots, all street trees shall be installed.”
7. Plan Sheet 3 of 9: Provide notes clarifying sidewalk installation and responsibility similar to comments 4-6 above.
8. Plan Sheet 3 of 9: Note 13 indicates no trees shall be planted within the 10’ frontage utility easement. This is inconsistent with the plan view.
9. Plan Sheet 3 of 9: Provide a draft maintenance agreement for the PennDOT crossing pipe at Linden Hall Road (Stormwater Facilities Plan, Note 7).
10. Plan Sheet 3 of 9, Demolition Note 9: Burning is generally impermissible by NPDES rules.
11. Plan Sheet 3 of 9, Demolition Note 11: This shall include Kaywood Park extension pins.

12. Plan Sheet 3 of 9, Demolition: Consider addition of a note 22: "All property owners within 500 feet of a proposed blast shall receive timely notice prior to blasting activity."
13. Clarify whether the Kaywood park lot consolidation was completed per Note 28 of the Preliminary Plan and add the appropriate reference to the "Project Notes" Note 16.
14. Sheet 2 of 9, 4 of 9: Correct the deed book and reference for the Kaywood Park and Kaywood Park extension. Reference 380/783 is from 1978 and does not include commitments related to this project. See also Comment 13 above.
15. Sheet 2 of 9, 4 of 9: The deed filing for the extension, 2267/659, did not include the access along Lot 5 (L2/L3). Update deeds to include this access when addressing comments 13 and 14.
16. Sheet 5 of 9: Curve C12 is omitted from this plan set. Verify layer activity.
17. Sheet 5 of 9: Signage: Provide a detail and location of a No Outlet sign.
18. Sheet 5 of 9: Pursuant to comments 13-16 above, clarify accessway width/geometry if not already recorded.
19. Sheet 6 of 9: Project benchmark (Grading Note 1) is undefined. Review entire plan set for omissions and provide necessary updates.
20. Sheet 6 of 9: Stormwater Management notes 6 through 9 have been omitted. Provide missing notes as appropriate.
21. Sheet 7 of 9: Street tree, Montclair at Andrea: Verify this tree does not encroach upon required sight distance.
22. Sheet 7 of 9, General: Township takes no objection to water curb boxes being set behind the sidewalk within utility easement to prevent damage/scour from swale stormwater conveyance.
23. Sheet 7 of 9: Provide a draft (or recording reference) for the stormwater easement area North of Linden Hall Road on Stashak farm property.
24. Sheet 8 of 9: Profile / waterline: Note that profile shows 4' cover to bottom of roadway centerline, though portions of waterline will be below the swale. Verify depths consistent to actual cover above unique pipe locations.
25. Sheet 8 of 9: Typical cross section: This plan identifies sidewalk on both sides of the street.
26. Sheet 8 of 9: Swale cross slopes are noted at 33.33%. Revise and resubmit.
27. Sheet 8 of 9, Sidewalk detail: Add note "Six (6") depth required across driveways."
28. Sheet 8 of 9: Detail No Outlet sign.
29. Sheet 8 of 9: Provide specification for bituminous surface treatment for Township review.
30. Sheet ES5: Verify municipality is invited to and attends all pre-construction conferences.
31. Sheet PC5: Add the Individual Lot soil amendment requirement #2 to the signature page.

32. Verify NPDES coverage for Phase 2.

33. Provide a Surety estimate and appropriate financial security.

Due to the nature of the comments above, the Township reserves the opportunity to provide additional comments or clarifications during future reviews.

If you have any questions, please call.

Sincerely,

Jere Northridge, P.E.
Township Engineer

HARRIS TOWNSHIP

Post Office Box 20, 224 East Main Street, Boalsburg, PA 16827
Website: www.harristownship.org

(814) 466-6228
(814) 466-3396

January 19, 2023

Mr. Todd Shea, Zoning Officer
Harris Township
P.O. Box 20
Boalsburg, PA 16827-0020

RE: Hawk Ridge Minor Subdivision Development Plan

- Single page plan sheet dated October 31, 2022, revision dated January 6, 2023

Dear Todd:

We have received and reviewed the above documents. Based on my review, I offer the following comments:

- A. On September 29, 2020, staff from the Township, Department of Environmental Protection (PADEP), and Centre County Conservation District (CCCD) met on site with Mr. Songer and Mr. Sepp. PADEP made the determination at this meeting that the drainage way through Lot 1 and upslope (Lot 8) had defined bed and banks would be regulated as a watercourse.
- B. To date, as of November 18, 2022, no studies, reports, appeals, or other documentation has been provided to otherwise negate or alter the September 29, 2020 opinion of PADEP.
- C. Subdivision is a qualifying regulated activity under 13-1.4-C; additionally, this area is encompassed under an active NPDES permit for earth moving related to a Land Development project (13-1.4-C(1)).

Responses 1- 4, 6, 7, 12, and 12a are acceptable.

The balance of the comments generally involve a waiver request by the Developer (5, 8, 9, 11, and 11a).

5. Where a development site is traversed by watercourses, drainage easements shall be provided conforming to the line of such watercourses. The terms of the easement shall prohibit excavation, the placing of fill or structures, and any alterations that may adversely affect the flow of stormwater within any portion of the easement. Developers are encouraged to allow stormwater easements to revert to a natural condition. Mowing or similar types of vegetative control are discouraged while removal of invasive species are encouraged. (13-3.1-D, 13-3.8-A)

- a. Provide a draft easement for review consistent with the 50' rule (or waiver, as has been obtained) to prohibit structures and encourage natural growth.
Comment stands. Provide easement for review.
- 8. Riparian buffer regulations are applicable to this plan under 11-4.14-C(1) and item A above.
Waiver request is noted. Comment stands pending waiver resolution.
- 9. Riparian buffers shall be a minimum 50' in width each direction extending from the top of bank and shall be consistent with the floodplain determination, if greater (11-4.14-D(1), Comments 1 & 2 above).
Waiver request is noted. Comment stands pending waiver resolution.
- 11. The plan appears to request a riparian buffer reduction, however, mitigation is not clearly identified consistent with (11-4.14-G&I). Identify mitigation areas and offsets clearly.
Waiver request is noted. Comment stands pending waiver resolution.
 - a. Note that buffer reduction does not allow for use as a buildable area without further approvals as noted in Comments 1 & 2 above.
Waiver request is noted. Comment stands pending waiver resolution.

If you have any questions, please call.

Sincerely,

Jere Northridge, P.E.
Township Engineer

Notifications of NPDES Required to CCCD

During the 2022-2023 Water Year, the only projects received by Harris Township were sub-phases of existing NPDES permits.

The only NPDES required during 2022-2023 were:

- Joe Songer, Misty Hill, initiated by CCCD and notification came to the Township;
- Kevin Dincher, Misty Hill, compliance action for fill and exceeding 1 acre limit.

sections, smaller culs-de-sac, smaller parking stalls, smaller building setbacks to reduce driveway lengths, etc.) will also reduce the required water quality treatment volume. Many of these techniques require prior approval by the Township before implementation into land development design.

§ 13-3.5. Erosion and sedimentation control requirements.

- A. Whenever the vegetation and topography are to be disturbed, such activity must be in conformance with Chapter 102, Title 25, Rules and Regulations, Part I, Commonwealth of Pennsylvania, Department of Environmental Protection, Subpart C, Protection of Natural Resources, Article II, Water Resources, Chapter 102, "Erosion and Sediment Control," and in accordance with the Centre County Conservation District and the standards and specifications of the appropriate Township government.
- B. Additional erosion and sedimentation control design standards and criteria that must be or are recommended to be applied where recharge or water quality BMPs are proposed and include the following:
 - (1) Areas proposed for these BMPs shall be protected from sedimentation and compaction during the construction phase, so as to maintain their maximum infiltration capacity.
 - (2) These BMPs shall not be constructed nor receive runoff until the entire contributory drainage area to the BMP has received final stabilization.
- C. Adequate erosion protection shall be provided along all open channels and at all points of discharge.

§ 13-3.6. Sinkhole protection.

The use of sinkholes for stormwater management must be carefully planned because discharging runoff directly into existing sinkholes is not an engineered stormwater solution. Aside from potential water quality effects, cover collapse sinkholes that exist throughout the watershed can be unstable, and it should be assumed that they could stop taking water at any time. Numerous sinkholes throughout the region already flood during larger runoff events. Nonetheless, in the watershed, there are large drainage areas that completely drain to existing sinkholes, and all upslope development tributary to them cannot be realistically stopped. Therefore, the following sections have been developed:

- A. Stormwater from roadways, parking lots, storm sewers, roof drains, or other concentrated runoff paths shall not be discharged directly into sinkholes without prior filtration in accordance with Subsection B below.
- B. Sinkholes capable of absorbing substantial amounts of stormwater shall be protected by diverting such runoff around the sinkhole (refer to

Jere Northridge

From: Jere Northridge
Sent: Monday, August 22, 2022 2:39 PM
To: James R. Coslo
Subject: FW: Dincher Stormwater - v. 8-15-22
Attachments: C-100.pdf; Dincher Stormwater.pdf

Jim, just an FYI, I approved a stormwater design today for a project quoting itself at 43,036 square feet. The builder and engineer have repeatedly affirmed that they will not go over 1 acre. While the stormwater design is unconventional in its development, its assumptions overestimate the needs and provide added water quality benefit over a more traditional design. The Township is therefore accepting the design.

Feel free to call with any questions.
814.231.3024

From: Jere Northridge
Sent: Monday, August 22, 2022 1:19 PM
To: Todd Shea <zoning@harristownship.org>; mike@evankorenwick.com
Cc: 'Kevin Dincher' <kdincher30@gmail.com>
Subject: Dincher Stormwater - v. 8-15-22

Todd:

The Dincher stormwater report dated August 15, 2022, (16 pages) and site plan C-100 dated 7/22/22 have been reviewed. The proposed stormwater berm and infiltrative area (0.142 acres) provide adequate stormwater management for the proposed 11,347 square foot impervious construction. Note that an additional 9,192 square feet of impervious are noted as existing on site.

Please note:

1. Erosion and Sedimentation controls are required per 13-3.5 in addition to Zoning, Code, or other agency holding jurisdiction.
2. An easement requirement per 13-3.8 and 13-7.4 is waived.
3. The Township reserves the right to inspect the required facility per 13-5.1 and 7.4 and 8.1.
4. Land Owner shall maintain the facility in its design condition per 13-7.3 and 7.5.

Thank You,

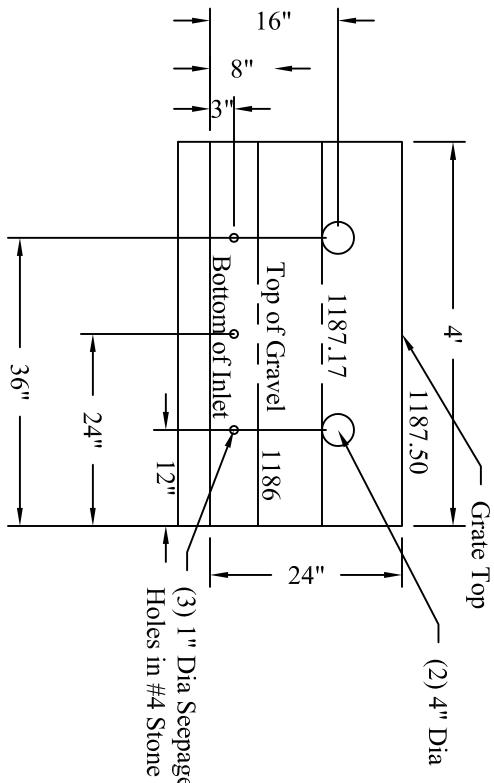
Jere Northridge, P.E.

College Township | Assistant Township Engineer | JNorthridge@CollegeTownship.org
1481 E College Ave | State College PA 16801 | P: 814-231-3021 | F: 814-231-3020
www.CollegeTownship.org

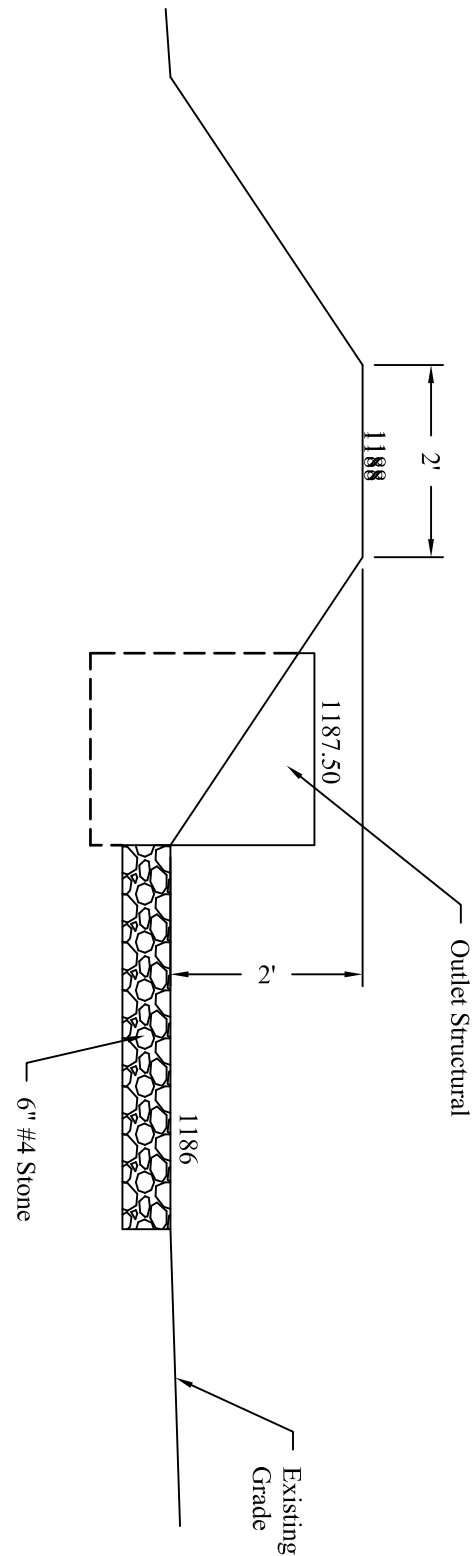


Please consider the environment before printing this email and any attachments

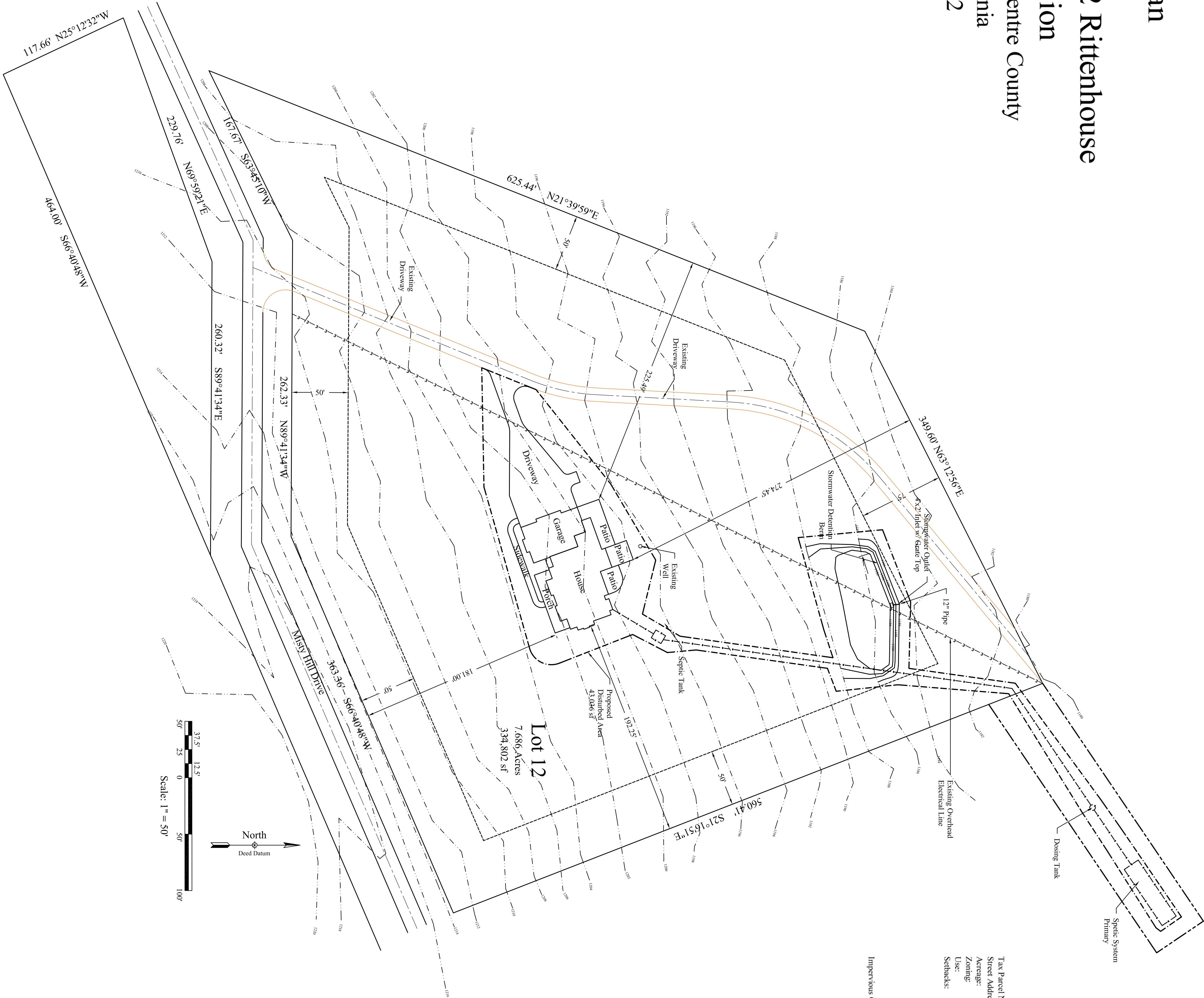
Site Plan
For
Lot #12 of Phase 2 Rittenhouse
Subdivision
Harris Township, Centre County
Pennsylvania
22-Jul-22



Outlet Structural
Scale: 1/2" = 1'



Berm Cross-Section
Scale: 1/2" = 1'



Site Data

Tax Parcel Number: 25-004-024U-0000-
Street Address: Missy Hill Drive
Acreage: 7.686 Acres (334802 sq)
Zoning: AG
Use: Residential Dwelling
Setbacks:

Front:	50 ft	Actual
Side - Left:	50 ft	223.49
Side - Right:	50 ft	192.25
Rear:	75 ft	274.45

Impervious Coverage:

6.1%

House	3080	sf
Garage	1728	sf
Porch/Patio	1924	sf
Sidewalk	436	sf
Driveway	4161	sf
Driveway, Existing	9192	sf
HVAC	18	sf
Total	20539	sf

Square Footage

Floor	Sq. Ft.	
1st	3080	Finished
2nd	1371	Finished
Sub Total	4451	

Storage	459	Unfinished
Bonus Room	614	Unfinished
Basement	2379	Unfinished
Crawl Space	1208	
Garage	1728	
Total	10839	

Owner: Kevin & Ashlee Dichter
140 Pinewood Pl
Port Matilda PA 16870
Engineer: Evanko-Renwick Engineering
4957 Halfmoon Valley Road
Warriors Mark PA 16877
(814) 280-7098
Email: mikes@evankorenwick.com

EVANKO-RENNICK ENGINEERING
4957 Halfmoon Valley Road
Warriors Mark PA 16877
Telephone: (814) 280-7098
e-mail: mike@evankorenwick.com
Civil, Structural and Mechanical Engineering

ER

Dincher's
Residential
Dwelling

Drawing Title:
Site
Plan

Drawn By:	Engineer:
Sheet	C-100
Scale:	As Noted
Date:	07/22/22
Project Number:	707-001

Jere Northridge

From: Jere Northridge
Sent: Wednesday, June 7, 2023 3:09 PM
To: jrcoslo@centrecountypa.gov; Daniel P. Wesdock; Todd Shea
Subject: Re: Dincher Stormwater - v. 8-15-22
Attachments: Image.jpeg; Image.jpeg

Photos of accumulated fill

Get [Outlook for iOS](#)

From: Jere Northridge
Sent: Wednesday, June 7, 2023 3:05:18 PM
To: jrcoslo@centrecountypa.gov <jrcoslo@centrecountypa.gov>; Daniel P. Wesdock <dpwesdock@centrecountypa.gov>; Todd Shea <zoning@harristownship.org>
Subject: FW: Dincher Stormwater - v. 8-15-22

Jim & Dan, I'm not sure of the illegal dumping on site, but this project has far exceeded its allowable footprint, and no stormwater controls have been installed (neither E&S nor the infiltration berm). Do you have time to meet on site Thursday or Friday? I'm going to send an additional email from my phone with photos of the fill accumulating about the site.

From: Jere Northridge
Sent: Monday, August 22, 2022 2:39 PM
To: James R. Coslo <jrcoslo@centrecountypa.gov>
Subject: FW: Dincher Stormwater - v. 8-15-22

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4. Land Owner shall maintain the facility in its design condition per 13-7.3 and 7.5.

Thank You,

Jere Northridge, P.E.

College Township | Assistant Township Engineer | JNorthridge@CollegeTownship.org

1481 E College Ave | State College PA 16801 | P: 814-231-3021 | F: 814-231-3020

www.CollegeTownship.org



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CHAPTER 102 INSPECTION REPORT

CENTRE COUNTY CONSERVATION DISTRICT

Permit No.: N/A

Report No.: 1

GENERAL INFORMATION			
Project/Site Name:	Misty Hill Lot 12	Permit Issuance Date:	N/A
Site Address:	175 Misty Hill Drive	Permit Expiration Date:	N/A
Site City, State, ZIP:	Boalsburg, PA 16827	Permit Type:	None (COMPLAINT)
RP/Permittee Name:	Dincher, Kevin & Ashlee	Site Municipality(ies):	Harris Township
RP/Permittee Address:	140 Pinewood Place	Site County(ies):	Centre
RP/Permittee City, State, ZIP:	Port Matilda, PA 16870	Earth Disturbance:	approx. 2.2 acres
RP/Permittee Email:		Site Latitude:	40.761109
Surface Water(s):	Roaring Run	Site Longitude:	- 77.818575
Special Protection?	☒ Yes ☐ No	Complaint Inspection?	☒ Yes ☐ No
Construction Stage:	Bulk Earthwork	Activity:	Complaint Site

Operator Name	Operator Company	Operator Email	Approved
	Tressler Excavating, LLC		☐
			☐
			☐

INSPECTION INFORMATION			
Inspection Date:	6/12/2023	Inspection Time:	10:30 ☒ AM ☐ PM
Lead Inspector Name:	Dan Wesdock	Inspector Email:	dpwesdock@centrecountypa.gov
Inspector Title:	Resource Conservation Coordinator	Inspector Phone:	814-355-6817
Other Inspector(s):	C. Myers-CCCD, J. Northridge-Harris Twp	Weather:	Overcast, 56° F, Dry
Was a representative of the project on-site during the inspection?		☐ Yes ☒ No	
Representative Name:		Email:	
Representative Company:		Phone:	
Type of Inspection: ☒ Initial ☐ Follow-up (Previous Report #) ☒ Photographs attached			
Brief description of the site and summary of observations: At the time of inspection, the following site conditions were observed: An entrance road had been cut in at the southeastern corner of the parcel. An existing access road has been improved and re-routed beginning from the southwest corner of the site. House is framed and dried in. Piles of fill were placed on the east and south sides of the house. Fill piles differed in composition, some including asphalt, concrete block, river rock, brush, etc. Fill was being imported during the inspection. Trucks observed bringing fill included SCBWA and Nittany Mountain Excavating. Perimeter of earth disturbance was walked and mapped with Field Maps. Area of disturbance was mapped to be 2.2 acres. No stormwater BMPs were observed onsite. No Erosion and Sediment Control BMPs were observed onsite.			

INSPECTION FINDINGS	
☐	No violations observed at this time.
a. ☒	Failure to implement and/or maintain E&S BMPs for earth disturbance (§§ 102.4(b)(1), 102.22(a)(1)).
b. ☐	Failure to develop and/or implement a written E&S Plan (§ 102.4(b)(2)).
c. ☐	Failure to have a person trained and experienced in E&S control methods develop an E&S Plan (§ 102.4(b)(3)).
d. ☐	Failure to have the E&S Plan and/or inspection/monitoring reports on-site and available for review (§ 102.4(b)(8)).
e. ☒	Failure of permittee to obtain all necessary approvals/permits from DEP/CCD prior to commencing earth disturbance (§ 102.4(d)).
f. ☐	Failure to hold a pre-construction meeting and/or invite DEP/CCD staff and/or provide at least 7 days' notice (§ 102.5(e)).
g. ☐	Failure of an operator to submit a co-permittee acknowledgement form (§ 102.5(h)).
h. ☐	Failure to prepare and/or implement and/or provide upon request a PPC Plan when required (§ 102.5(l)).
i. ☐	Failure to temporarily stabilize areas where there will be a cessation of earth disturbance activities for at least 4 days (§ 102.22(b)).
j. ☐	Failure to complete or accurately complete visual site inspections as required by the permit (CSL § 402(b)).
k. ☐	Failure to implement PCSM BMPs as specified in the approved PCSM Plan (§ 102.8(a)).
l. ☐	Failure to operate and maintain PCSM BMPs as specified in an approved PCSM Plan or deed (§ 102.8(a)).
m. ☐	Failure to have the PCSM Plan, inspection reports, and/or monitoring records available for review (§ 102.8(j)).
n. ☐	Failure to have a licensed professional or a designee present on-site during critical stages of PCSM BMPs (§ 102.8(k)).
o. ☐	Failure to record an instrument for PCSM BMPs (§ 102.8(m)(2)).
p. ☐	Failure to meet riparian forest buffer criteria (§ 102.14(b)).
q. ☐	Failure to permanently stabilize a project site or any phase or stage thereof (§ 102.22(a)).
r. ☐	Failure to remove temporary E&S BMPs once permanent stabilization has been established (§ 102.22(a)(1)).
s. ☒	Failure to obtain NPDES permit prior to commencing earth disturbance activity with at least one acre of disturbance (§ 102.5(a)).
t. ☐	Failure to obtain E&S permit prior to commencing earth disturbance activity with at least 25 acres of disturbance for timber harvesting and road maintenance (§ 102.5(b)).
u. ☐	Failure to obtain E&S permit prior to commencing earth disturbance activity with at least 5 acres of disturbance for oil and gas activities (§ 102.5(c)).
v. ☐	Failure of activity not requiring a permit to comply with Chapter 102 requirements (§ 102.5(k)).
w. ☐	Failure to follow the approved construction sequence in an E&S or PCSM Plan (CSL § 402(b)).
x. ☐	Failure to submit a Notice of Termination (NOT) (§ 102.7(a)).
y. ☐	Unauthorized discharge of polluting substances to waters of the Commonwealth resulting in pollution (CSL § 401).

z.	☐	Failure to comply with the terms and conditions of a permit or order (CSL § 402(b)).
aa.	☐	Failure to remove building materials and/or wastes from the site for recycling or disposal in accordance with DEP regulations as required by the permit (CSL § 402(b)).
bb.	☒	Failure to comply with DEP regulations or the Clean Streams Law (CSL § 611).
cc.	☐	Failure to take necessary measures to prevent pollutants from reaching waters of the Commonwealth (§ 91.34(a)).
dd.	☐	Failure to notify DEP of new or expanded earth disturbance not identified in an NPDES permit application (§ 92a.24(b)).
ee.	☐	Failure to notify and/or obtain authorization from DEP/CCD for changes to NPDES permitted activities (§ 92a.41(a)(12)).
ff.	☐	Other:
	☐	During the inspection violations of Chapter 105 were observed and are identified in a separate Chapter 105 inspection report.
	☐	E&S BMPs were evaluated and appear to be functioning as designed.
	☐	PCSM BMPs were evaluated and appear to be functioning as designed.
	☐	Form 3800-FM-BCW0531a was used to document the PCSM BMP evaluation.
	☐	There is a need for modifications to the E&S Plan, PCSM Plan, or permit coverage.
		Describe:

COMPLIANCE ASSISTANCE RECOMMENDATIONS

To ensure compliance with Chapter 102 and the Clean Streams Law, the following action items are recommended:

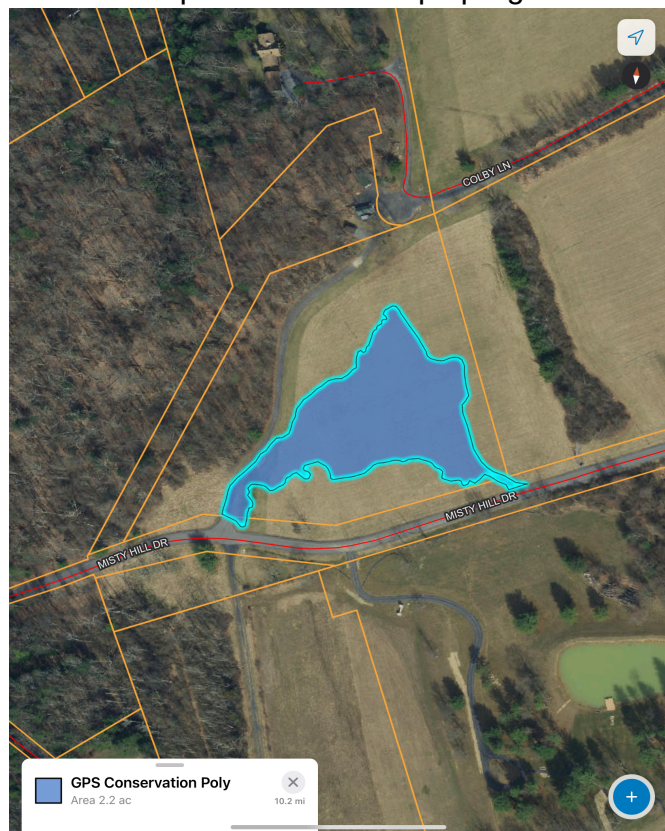
1. Install Erosion & Sediment Control Best Management Practices immediately.
2. Permanently stabilize all areas that are at final grade with topsoil and permanent seed mix
3. Provide temporary stabilization to all areas that are not at final grade with a temporary seed
4. Inspect and maintain Erosion & Sediment Control Best Management Practices
5. Through coordination with the Department of Environmental Protection, it has been determined that an Individual NPDES Permit should be obtained. It is requested that a complete application be submitted to the Conservation District within 60 days of receipt of this inspection report.

Please contact the Centre County Conservation District at 814-355-6817, or the DEP Northcentral Regional Office at 570-327-6581 with any questions about this report or the recommendations.

ADDITIONAL COMMENTS

A follow up inspection will occur the week of June 19th to check on the status of temporary BMP installation.

Below is a clip of the Field Maps program used to estimate the area of disturbance.



NOTICE AND SIGNATURES

This report is official notification that a representative of the Department of Environmental Protection (DEP) has conducted an inspection of your earth disturbance activity to determine compliance with 25 Pa. Code Chapter 102 and the Pennsylvania Clean Streams Law. This representative may be an employee of a County Conservation District (CCD), which by delegation agreement with DEP is authorized to investigate complaints, inspect earth disturbance activities and conduct compliance actions. Any violations observed by DEP/CCD have been noted in this report and constitute unlawful conduct as defined in Section 611 of the Clean Streams Law. Failure to take corrective actions to resolve the violations may result in administrative, civil and/or criminal penalties being assessed by DEP as specified at Section 602 of the Clean Streams Law. The Clean Streams Law provides for up to \$10,000 per day in civil penalties, up to \$10,000 in summary criminal penalties, and up to \$25,000 in misdemeanor criminal penalties for each violation. This report does not constitute an Order or appealable action of DEP. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein. For further information or assistance contact the DEP/CCD inspector.

The Project Site Representative's signature acknowledges that they have read the report and were given an opportunity to discuss the report with the inspector. The signature does not necessarily mean the signee agrees with the report. All comments by the inspector are based on visual site observations and do not constitute professional practice under applicable law.

- ☒ Violations are documented in this report and this report serves as a Notice of Violation (NOV).
- ☒ A follow-up inspection will occur on or about: Week of 6/19/2023

Site Representative Signature

Date

Inspector Signature

Date

CC:

ARTICLE VII
Operation and Maintenance Requirements

§ 13-7.1. Stormwater management controls and facilities.

Stormwater management controls and facilities as defined herein include all structural and nonstructural stormwater conveyance and management controls, including water quantity and quality best management practices.

§ 13-7.2. Performance guarantee.

The applicant should provide a financial guarantee to the Township for the timely installation and proper construction of all stormwater management controls as required by the approved stormwater plan and this chapter equal to the full construction cost of the required controls.

§ 13-7.3. Maintenance responsibilities.

- A. The SWM site plan for the development site shall contain an operation and maintenance plan prepared by the developer and approved by the Township Engineer. The operation and maintenance plan shall outline required routine maintenance actions and schedules necessary to ensure proper operation and function of the facility(ies).
- B. The responsible party or entity responsible for the maintenance must also be identified. The SWM site plan for the development site shall establish responsibilities for the continuing operation and maintenance of all proposed stormwater control facilities and temporary permanent erosion control facilities, consistent with the following principles:
 - (1) If a development consists of structures or lots that are to be separately owned and in which streets, sewers and other public improvements are to be dedicated to the Township, stormwater control facilities may also be dedicated to and maintained by the Township.
 - (2) If a development site is to be maintained in a single ownership or if sewers and other public improvements are to be privately owned and maintained, then the ownership and maintenance of stormwater control facilities shall be the responsibility of the owner or private management entity.
 - (3) Facilities may be incorporated within individual lots so that the respective lot owners will own and be responsible for maintenance in accordance with recorded deed restrictions. A description of the facility or system and the terms of the required maintenance shall be incorporated as part of the deed to the property.
 - (4) Ownership and maintenance may be the responsibility of a property owners' association. The stated responsibilities of the property owners' association in terms of owning and maintaining the stormwater management facilities shall be submitted with final

plans for determination of their adequacy, and upon their approval shall be recorded with the approved subdivision plan among the deed records of Centre County, Pennsylvania. In addition, the approved subdivision plan and any deed written from said plan for a lot or lots shown herein shall contain a condition that it shall be mandatory for the owner or owners of said lot to be members of said property owners' association.

- (5) For stormwater management facilities that are proposed as part of the site development plan, the developer will be required to execute a developer agreement and a maintenance agreement with the Township for the construction and continued maintenance of the facilities prior to the signature approval on the final plan. Access for inspection by the Township of all such facilities deemed critical to the public welfare at any reasonable time shall be provided.
- C. The governing body, upon recommendation of the Township Engineer, shall make the final determination on the continuing maintenance responsibilities prior to final approval of the stormwater management site plan. The governing body reserves the right to accept the ownership and operating responsibility for any or all of the stormwater management controls.

§ 13-7.4. Declaration of stormwater access and maintenance easement for privately owned stormwater facilities.

Prior to final approval of the stormwater management site plan, the property owner shall sign and record a declaration of stormwater access and maintenance easement (DSAME) covering all stormwater control facilities that are to be privately owned. The DSAME shall contain the following elements:

- A. Name and address of the property owner.
- B. Name of land development for which the DSAME is required.
- C. Statement noting that, as a condition of approval, a DSAME is required.
- D. Statement noting that the DSAME shall run in perpetuity with the land.
- E. Statement that the property owner create an easement for the purpose of access to the stormwater facilities for ingress, egress, and regress.
- F. Metes and bounds description of the stormwater access and maintenance easement.
- G. Statement that heirs and assigns of the owner, by accepting a deed from the owner, agree to be subject to the conditions of the DSAME.
- H. Statement that the stormwater easement shall be a permanent easement and that the stormwater management facilities located within the easement will be maintained by the owner, their heirs and assigns

classified as wetlands; otherwise, approval to work in the area must be obtained from PA DEP.

- G. Any stormwater management facilities regulated by this chapter that would discharge to or be located on state highway rights-of-way shall be subject to approval by the Pennsylvania Department of Transportation (PA DOT).
- H. Low-impact development (LID) is to be used to the maximum extent practicable. Minimization of impervious surfaces and infiltration of runoff through seepage beds, recharge trenches, etc., are encouraged, where soil conditions permit, to reduce the size or eliminate the need for detention facilities.
- I. To promote overland flow and infiltration/percolation of stormwater, roof drains should not be connected to streets, sanitary or storm sewers, or roadside ditches unless approved by the Township Engineer on a case-by-case basis.
- J. Where deemed necessary by the Township Engineer, the applicant shall submit an analysis of the impacts of detained stormwater flows on downstream areas within the watershed. These impacts shall be identified with concurrence from the Township Engineer. The analysis shall include hydrologic and hydraulic calculations necessary to determine the impact peak discharge modifications from the proposed development have on critical locations such as dams, tributaries, existing developments, undersized culverts, flood-prone areas, etc.
- K. When stormwater management facilities are proposed within 1,000 feet of a downstream municipality, the analysis of downstream impacts shall be submitted to the downstream municipality's engineer or designated representative for review and comment.
- L. The applicant shall notify the owners of all adjacent properties. Notification shall be via United States certified mail with copies of the return receipts provided to the Township. Notification shall include the following language: "A land development plan is being considered by Harris Township for Tax Parcel (insert parcel number), as shown on the attached exhibit. Public comment for this land development will be received at a meeting of the Harris Township Planning Commission on (insert date). If you cannot attend this meeting, comments may be directed to Harris Township at (814) 466-6228." A letter and location map exhibit must be approved by the Township prior to distribution to the owners of the adjacent properties.
- M. Approved stormwater management site plans must be on site at all times during construction.
- N. Use of alternate and/or new stormwater management controls will be considered by the Township. A description of the proposed alternate controls must be submitted to the Township, the Centre County

MCM #5 – BMP #3: PCSM Inspections

This document is to be reviewed and updated annually.
Last Reviewed with no revisions June 30, 2023.

MCM#5 – BMP#6

1. Minimum requirements for structural and non-structural BMPs are codified in Chapter 13 of the Harris Township Code, available on-line, and include a backstop that all BMPs shall be Chapter 102 compliant.
2. Criteria for selecting and sizing for structural and non-structural BMPs are codified in Chapter 13 of the Harris Township Code, available on-line, and include a backstop that all BMPs shall be Chapter 102 compliant.
3. Target evaluation to annually inspect 20% of the PCSMs installed since Water Quality parameters were introduced (approximately 2013).
4. Harris Township aims to audit all approved Land Development Plans since March 10, 2003.

GIS Technician shall maintain a log of BMPs and inspection dates, as well as follow-up protocols.

Engineer provides directives to land owners when maintenance is required.

BMP Id	Approx Year Constructed	Location Description	Inspection Year	PRP	X-Coord	Y-Coord	Subwatershed	In EPA Urbanized Area
3	2005	Loop Rd & Reuben Way, Boalsburg, PA 16827	2023	Yes	-77.786518	40.775231	Spring Creek	No
4	2005	Loop Rd & Torrey Ln, Boalsburg, PA 16827	2023	Yes	-77.785946	40.775538	Spring Creek	No
16	1980	Nittany Baptist Church, Boalsburg, PA, 16827	2023	No	-77.799434	40.782057	Spring Creek	Yes
21	2007	Jacks Mill Dr, E, Boalsburg, PA, 16827	2023	Yes	-77.765382	40.780573	Spring Creek	Yes
22	1990	Jacks Mill Dr, E, Boalsburg, PA, 16827	2023	No	-77.766132	40.780758	Spring Creek	Yes
28	1980	Jacks Mill Dr, W, Boalsburg, PA, 16827	2023	No	-77.767615	40.780403	Spring Creek	Yes
30		Colonial Press, Torrey Ln, Boalsburg, PA 16827	2023	No	-77.785335	40.775744	Spring Creek	Yes
5	1995	Ashwoth Ln, Right Group, NE, Boalsburg, PA, 16827	2023	No	-77.784018	40.777784	Spring Creek	Yes
6	1980	Springfield Cir, Boalsburg, PA, 16827	2023	Yes	-77.771815	40.781579	Spring Creek	Yes
1	1970	Harpster Park, NE	2023	No	-77.787691	40.783707	Spring Creek	Yes
8	2000	Rosslyn Rd, N, Boalsburg, PA, 16827	2023	No	-77.753623	40.784603	Spring Creek	No
9	2000	Rosslyn Rd, S, Boalsburg, PA, 16827	2023	No	-77.7507	40.782373	Spring Creek	No
10	2000	Rosslyn Rd & Earlstown Rd, Boalsburg, PA, 16827	2023	No	-77.753884	40.789372	Spring Creek	No
14	1970	Fairfield Dr, W, Boalsburg, PA, 16827	2023	No	-77.81634	40.775099	Spring Creek	No
29	1980	West Crestview Ave, Boalsburg, PA, 16827	2023	No	-77.798386	40.771434	Spring Creek	Yes
33	1995	Ashwoth Ln, Left Group, N, Boalsburg, PA, 16827	2023	No	-77.781403	40.77938	Spring Creek	Yes
2	1980	Indian Hill Rd, W, Boalsburg, PA 16827	2022	No	-77.780959	40.784195	Spring Creek	No
7		Harvest Fields Dr, Boalsburg, PA, 16827	2022	No	-77.77352	40.775607	Spring Creek	No
11	2000	Wynwood House, Discovery Dr, Boalsburg, PA 16827	2022	No	-77.773115	40.776791	Spring Creek	No
12	2010	State College Com Theatre, Discovery Dr, Boalsburg, PA, 16827	2022	Yes	-77.773738	40.778222	Spring Creek	No
13	2010	Discovery & Technology Dr, Boalsburg, PA, 16827	2022	Yes	-77.777692	40.777558	Spring Creek	No
17	1980	1304 Outer Dr, State College, PA, 16801	2022	No	-77.810893	40.777292	Spring Creek	Yes
20	1980	Indian Hill Rd, S, Boalsburg, PA, 16827	2022	No	-77.777665	40.782844	Spring Creek	No
26	1995	Round Hill Rd & Bear Meadows Rd, Boalsburg, PA, 16827	2022	No	-77.757177	40.777556	Spring Creek	No
27	2005	Boal Ave & Bear Meadows Rd, Boalsburg, PA, 16827	2022	No	-77.758959	40.779039	Spring Creek	No
39	2016	Mnt View Country Club	2022	No	-77.761995	40.78515	Spring Creek	No
40	2007	Nittany Gove	2022	No	-77.732765	40.781403	Spring Creek	No
41	2019	360 Discovery Dr, Boalsburg, PA, 16827	2022	No	-77.770914	40.77694	Spring Creek	No
42	2019	328 Discovery Dr, Boalsburg, PA, 16827	2022	No	-77.771941	40.77693	Spring Creek	No
23	2008	Pilgrim Dr & Beacon Cir, Boalsburg, PA, 16827	2021	Yes	-77.789267	40.779469	Spring Creek	Yes
31		Montclair Ln, Boalsburg, PA, 16827	2018	No	-77.77618	40.788627	Spring Creek	No
32	1995	Ashwoth Ln, Right Group, SW, Boalsburg, PA, 16827	2017	No	-77.784846	40.777339	Spring Creek	Yes
34	1995	Ashwoth Ln, Left Group, S, Boalsburg, PA, 16827	2017	No	-77.779991	40.78006	Spring Creek	Yes
35	2017	Mt View Acres		No	-77.817289	40.768903	Roaring Run	No
36	2019	University Wine Company		No	-77.818863	40.767016	Roaring Run	No

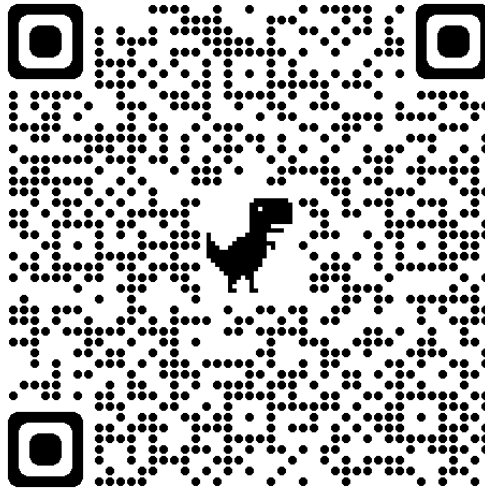


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: February 7, 2023 5:04 PM		ID: 1 PRP:		
Land Uses in BMP Area (Select All): Suburban Residential Location Description: Harpster Park, NE Owner: HOA		Latitude: 40.7837146805226		
		Longitude: -77.7876937078922		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: February 3, 2023 5:04 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: No Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: No Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
Woody Shrub/Tree Growth, Excessive Growth	No Amount:	No Amount:	No Depth:	Erosion, Clogged/Obstructed Inlets, Clogged/Obstructed Outlets, Sediment Accumulation
Based on inspection results what grade would you give this BMP? (A-F) D				

Does this BMP require follow-up attention from owner or Harris Township? Yes Priority: Required Maintenance/Corrective Action Required:	
COMMENTS	
Needs cleanedout	
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).	
Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:



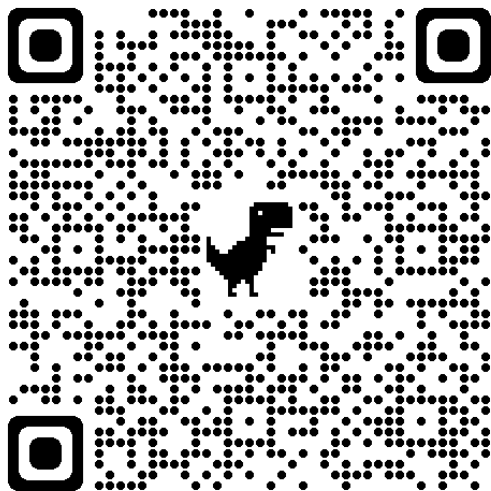


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 3 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Loop Rd & Reuben Way, Boalsburg, PA 16827 Owner: HOA		Latitude: 40.7752395314384		
		Longitude: -77.7865203027783		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) B				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
COMMENTS	
Wetland Plants	
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).	
Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:



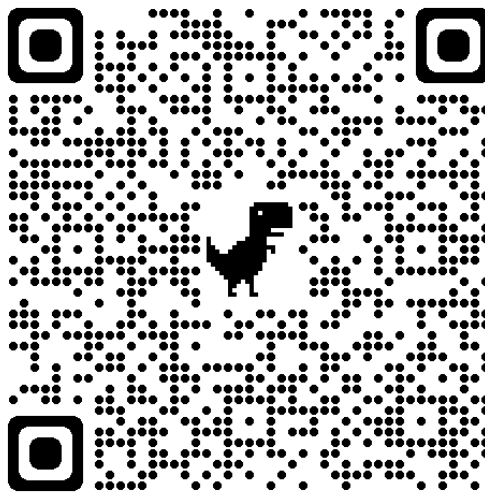


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 4 PRP:		
Land Uses in BMP Area (Select All): Suburban Residential Location Description: Loop Rd & Torrey Ln, Boalsburg, PA 16827 Owner: HOA		Latitude: 40.7755464948608		
		Longitude: -77.7859484070063		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
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).	
Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:



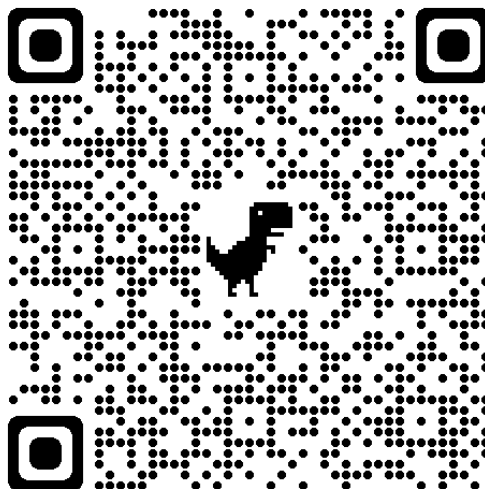


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 5 PRP:		
Land Uses in BMP Area (Select All): Suburban Residential Location Description: Ashwoth Ln, Right Group, NE, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7777924517623		
		Longitude: -77.7840202437548		
		Dry Weather Inspection? <Null>		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
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).	
Jere Northridge Responsible Official Name (814)231-3021 Telephone No.	<i>Jere Northridge</i> Signature 7/1/2023 Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:



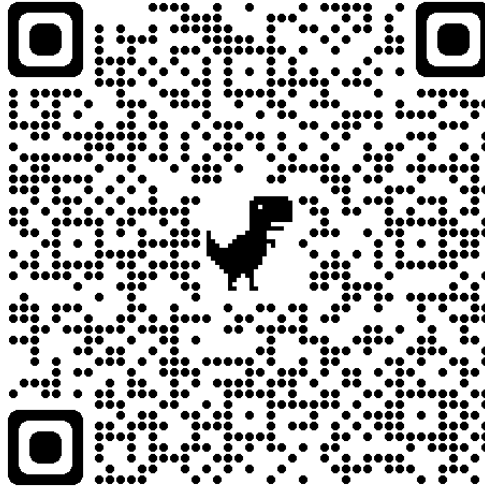


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 6 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Springfield Cir, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7815874438142		
		Longitude: -77.7718178821583		
		Dry Weather Inspection? <Null>		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed:	Mowed:	Mowed:	Mowed:
	Yes	Yes	Earthen	No
	Material:	Material:	Material:	Material:
	Earthen	Earthen	Earthen	Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
Woody Shrub/Tree Growth, Excessive Growth	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				

Does this BMP require follow-up attention from owner or Harris Township? No Priority: Required Maintenance/Corrective Action Required:	
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).	
Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

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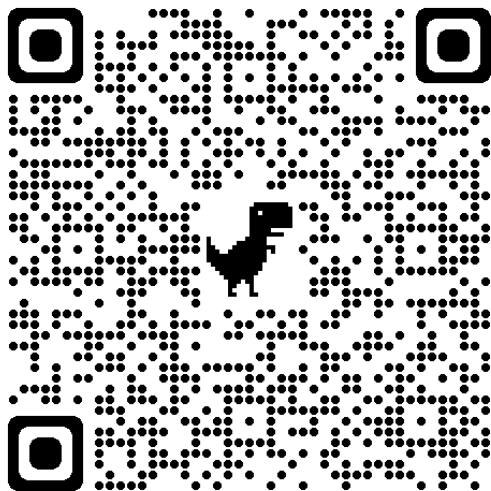


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 8 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Rosslyn Rd, N, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7846112032354		
		Longitude: -77.7536252605838		
		Dry Weather Inspection?		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
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).	
Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:





BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 9 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Rosslyn Rd, S, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7823815784813		
		Longitude: -77.7507023069436		
		Dry Weather Inspection?		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed:	Mowed:	Mowed:	Mowed:
	No	No	Earthen	Yes
	Material:	Material:	Material:	Material:
	Earthen	Earthen	Earthen	Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:

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).

Jere Northridge

Jere Northridge

Responsible Official Name

Signature

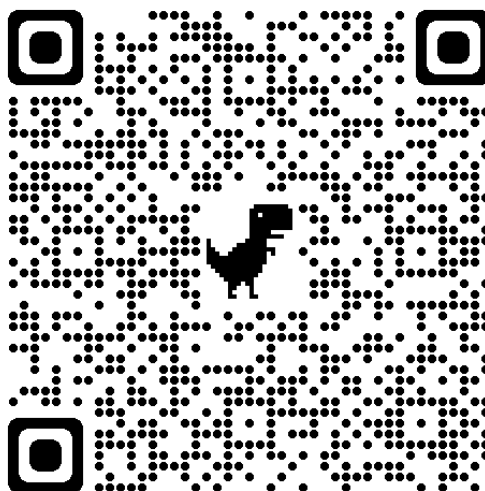
(814)231-3021

7/1/2023

Telephone No.

Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:



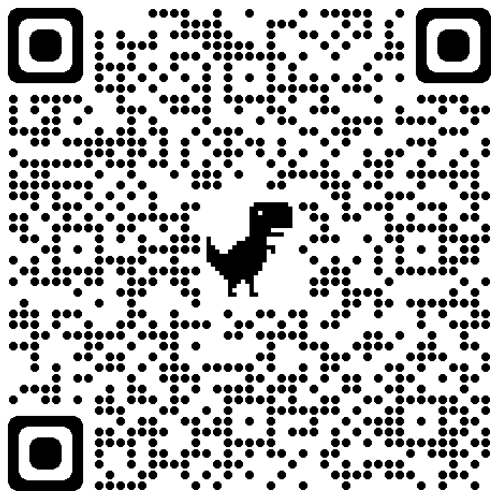


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 10 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Rosslyn Rd & Earlstown Rd, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7893797737653		
		Longitude: -77.7538868859341		
		Dry Weather Inspection?		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed:	Mowed:	Mowed:	Mowed:
	Yes	Yes	Earthen	Yes
	Material:	Material:	Material:	Material:
	Earthen	Earthen	Earthen	Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
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).	
Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:





BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 14 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Fairfield Dr, W, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7751074962466		
		Longitude: -77.8163427342338		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed:	Mowed:	Mowed:	Mowed:
	Partially	Yes	Eathen	Yes
	Material:	Material:	Material:	Material:
	Earthen	Earthen	Eathen	Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) B				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:

COMMENTS

Some woody vegetation near riser box

RESPONSIBLE OFFICIAL CERTIFICATION

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Jere Northridge

Jere Northridge

Responsible Official Name

Signature

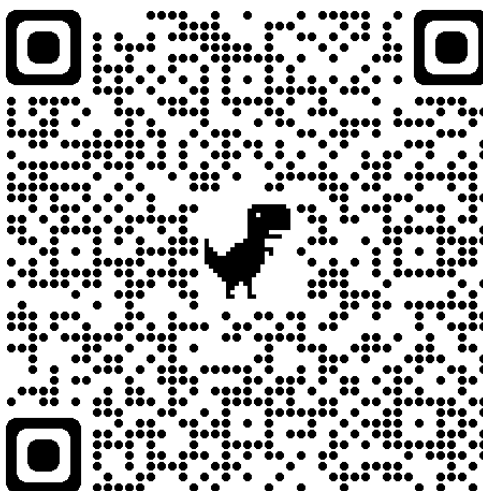
(814)231-3021

7/1/2023

Telephone No.

Date

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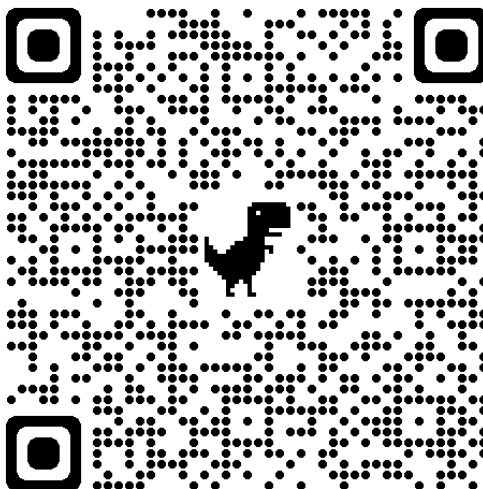


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 16 PRP:		
Land Uses in BMP Area (Select All): Open Space, Commercial Location Description: Nittany Baptist Church, Boalsburg, PA, 16827 Owner: Business		Latitude: 40.782064909066		
		Longitude: -77.799436906129		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
COMMENTS	
RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:





BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 21 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Jacks Mill Dr, E, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7805814574566		
		Longitude: -77.7653848284243		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:

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).

Jere Northridge

Jere Northridge

Responsible Official Name

Signature

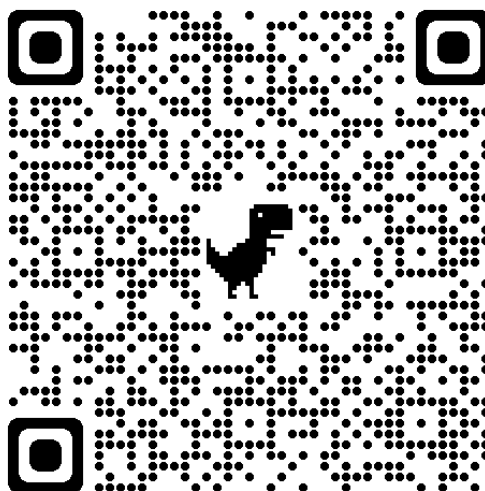
(814)231-3021

7/1/2023

Telephone No.

Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:



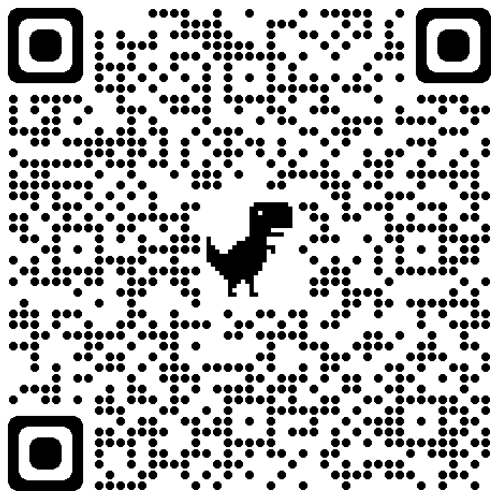


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 22 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Jacks Mill Dr, E, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7807659038879		
		Longitude: -77.766134517985		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) A				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
COMMENTS	
RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

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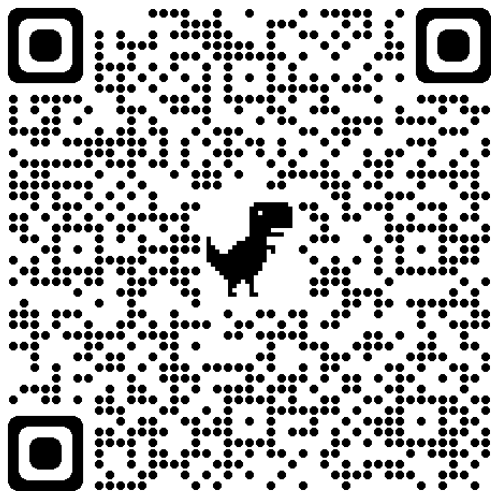


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 28 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: Jacks Mill Dr, W, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7804114472542		
		Longitude: -77.7676176998927		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
Based on inspection results what grade would you give this BMP? (A-F) B				
Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:	
COMMENTS	
RESPONSIBLE OFFICIAL CERTIFICATION	
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Jere Northridge	<i>Jere Northridge</i>
Responsible Official Name	Signature
(814)231-3021	7/1/2023
Telephone No.	Date

Please scan QR Code to view interactive map highlighting images and locations of BMPS:





BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 17, 2023 8:00 PM		ID: 29 PRP:		
Land Uses in BMP Area (Select All): Open Space, Suburban Residential Location Description: West Crestview Ave, Boalsburg, PA, 16827 Owner: Private		Latitude: 40.7714420382629		
		Longitude: -77.7983881871138		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
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DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
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Does this BMP require follow-up attention from owner or Harris Township? No				
Priority:				

Required Maintenance/Corrective Action Required:

COMMENTS

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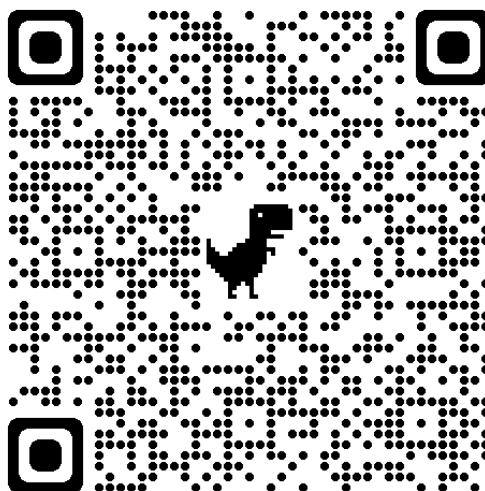
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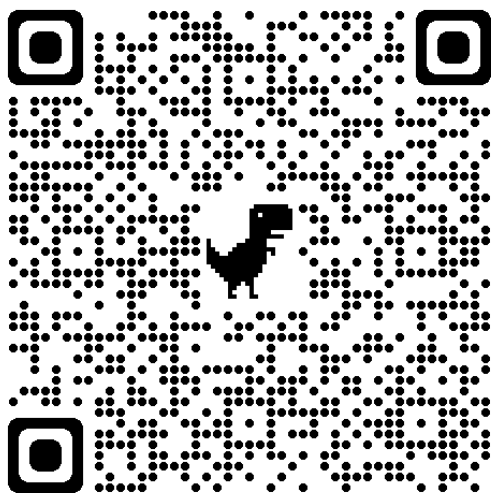


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 30 PRP:		
Land Uses in BMP Area (Select All): Commercial, Suburban Residential Location Description: Colonial Press, Torrey Ln, Boalsburg, PA 16827 Owner: Business		Latitude: 40.7757523991997		
		Longitude: -77.7853376580652		
		Dry Weather Inspection? Yes		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
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BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
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Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
	Amount:	Amount:	Depth:	
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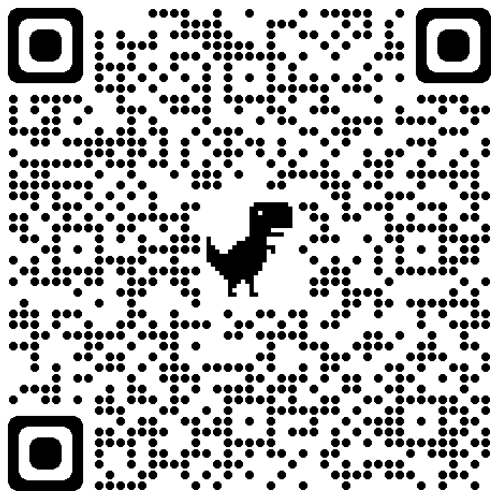


BMP FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Harris Township		NPDES Permit No.: PA I134801		
Date of Inspection: May 16, 2023 8:00 PM		ID: 33 PRP:		
Land Uses in BMP Area (Select All): Suburban Residential, Location Description: Ashwoth Ln, Left Group, N, Boalsburg, PA, 16827 Owner: HOA		Latitude: 40.7793884239545		
		Longitude: -77.7814058643219		
		Dry Weather Inspection?		
		Date of Previous Precipitation: May 11, 2023 8:00 PM		
		Amount of Previous Precipitation: .01 in		
Inspector Name(s): Shane Adams, Jere Northridge		Were Photographs Taken? ☒ Yes ☐ No		
		Are Photographs Attached? ☒ Yes ☐ No		
BMP DESCRIPTION				
TYPE	Outside Face	Inside Face	Crest	Bottom
Basin	Mowed: Yes Material: Earthen	Mowed: Yes Material: Earthen	Mowed: Earthen Material: Earthen	Mowed: Yes Material: Earthen
DEFICIENCIES				
Vegetation	Animal Burrows	Sinkhole(s)	Standing Water	Other
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Priority:				

Required Maintenance/Corrective Action Required:	
COMMENTS	
RESPONSIBLE OFFICIAL CERTIFICATION	
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(814)231-3021	7/1/2023
Telephone No.	Date

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MEMORANDUM OF UNDERSTANDING (MOU)
between
HARRIS TOWNSHIP
and
CENTRE COUNTY CONSERVATION DISTRICT (CCCD)
for
**ADMINISTRATION OF EROSION AND SEDIMENTATION CONTROL PLANS AND
NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PLANS**

I. INTENT OF PARTICIPANTS

The intent of this MOU is to document the procedures and delegation of responsibilities relative to the administration of Erosion and Sedimentation Control plans and NPDES plans associated with land development or subdivision. This MOU is intended to meet the requirements of the Pennsylvania Department of Environmental Protection's Municipal Separate Storm Sewer System (MS4) Permit Part A.2.h (Sharing Responsibility) for Minimum Control Measures (MCM's) #4, and Best Management Practices 1 through 3 of MCM #5.

II. BACKGROUND

The CCCD has a delegation agreement with the Department of Environmental Protection (DEP) to administer the applicable regulations of Pennsylvania Code, Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control (Chapter 102). The CCCD administers and reviews Erosion and Sedimentation Control plans to verify compliance with Chapter 102. The CCCD administers General and Individual NPDES permit applications for compliance with Chapter 102. For General NPDES permit applications, the CCCD conducts an administrative review of the Post Construction Stormwater Management (PCSM) component. For Individual NPDES permit applications, the CCCD conducts an administrative review and the DEP conducts a technical review of the PCSM component. For General and Individual NPDES permits, The CCCD reviews the as built PCSM plans and the recorded Stormwater Management Operation and Maintenance Plan as part of the NPDES permit termination process. The Harris Township Act 167 Stormwater Management Ordinance requires that projects having over 5,000 square feet of disturbance have an approved Erosion and Sedimentation Control plan.

III. EROSION AND SEDIMENTATION CONTROL PROCEDURE

A. For projects with over 5,000 square feet of disturbance, The CCCD agrees to review Erosion and Sedimentation Control plans in accordance with the applicable regulations of Pennsylvania Code, Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control. Upon receipt of an acceptable Erosion and Sedimentation Control plan, the CCCD will submit a copy of the approval letter to Harris Township.

B. For projects with over 5,000 square feet of disturbance, Harris Township will not issue final approval of the land development or subdivision plan until such time as an Erosion and Sedimentation Control plan approval letter from the CCCD has been received.

C. When on-site inspections of the construction are performed by the CCCD, the CCCD will submit a copy of the inspection findings to Harris Township.

D. The Township will notify the CCCD via e-mail of any suspected deficiencies in the implemented Erosion and Sedimentation Control features that may be noted by Harris Township staff or as may be reported by residents.

E. CCCD will respond to Harris Township stating the findings of the CCCD relative to the Township notification.

F. CCCD will notify Harris Township when final stabilization of the project has been approved.

IV. NPDES PROCEDURE

A. For projects requiring a General NPDES permit, the CCCD agrees to review the General NPDES permit application and the Erosion and Sediment Control Plan in accordance with the applicable regulations of Pennsylvania Code, Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control. Upon receipt of an acceptable General NPDES permit and E&S plan, the CCCD will submit a copy of the approval letter to Harris Township.

B. For General and Individual NPDES permits, the CCCD agrees to inspect the as built PCSM facilities and to review documents prepared by the responsible professional relative to the as built conditions of the PCSM and verify that the Stormwater Management Ownership and Maintenance Plan has been recorded at the Centre County Recorder of Deeds office, as part of the NPDES permit termination process. Harris Township will perform spot site inspections during construction of the PCSM.

V. ADMINISTRATIVE PROVISIONS

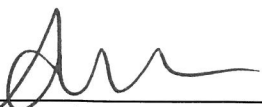
A. Nothing in this MOU is intended to or will be construed to limit or affect in any way the authority or legal responsibilities of Participants.

B. Nothing in this MOU binds the Participants to perform beyond their respective authorities.

C. This agreement is rendered void if the Department of Environmental Protection changes the delegation status of the CCCD such that the CCCD is no longer responsible for the administration of Title 25, Environmental Protection, Chapter 102, Erosion and Sediment Control.

VI. TERM OF THE AGREEMENT

This MOU will take effect on January 1, 2016 and will remain in effect until such time as either Participant shall notify the other Participant that they no longer wish to participate in the MOU. Intent to terminate must be made via letter a minimum of 30 days prior to the termination date.



Harris Township
By: Amy K. Farkas, Harris Township Manager

12/9/15

Date

Centre County Conservation District
By: Robert Shannon, Chairman CCCD

Date

MCM #5 – BMP #6: PCSM Inspections

This document is to be reviewed and updated annually.
Last Reviewed with no revisions June 30, 2023.

MCM#5 – BMP#6

1. Minimum requirements for structural and non-structural BMPs are codified in Chapter 12 of the Harris Township Code, available on-line, and include a backstop that all BMPs shall be Chapter 102 compliant.
2. Criteria for selecting and sizing for structural and non-structural BMPs are codified in Chapter 12 of the Harris Township Code, available on-line, and include a backstop that all BMPs shall be Chapter 102 compliant.
3. Target evaluation to annually inspect 20% of the PCSMs installed since Water Quality parameters were introduced (approximately 2013).

GIS Technician shall maintain a log of BMPs and inspection dates, as well as follow-up protocols. This program will be overhauled significantly with the issuance of the forthcoming permit.

Harris Township Pollution Prevention and Good Housekeeping for Municipal Operations and Maintenance Program

A copy of this plan is to be available at the maintenance buildings.

The guidelines of this plan are to be followed to the greatest extent practicable.

**Any questions concerning this plan can be directed to the Director of Public Works
or the Township Engineer**

Last Reviewed/Revised June 30, 2023

Overview

Permittee is located within the State College Urbanized Area as designated by the Environmental Protection Agency. The Urbanized Area includes all of the Borough of State College and portions of College, Ferguson, Harris, Spring, and Patton Townships. Being part of a federally designated urbanized area, Permittee was required to obtain a National Pollution Discharge Elimination System (NPDES) Individual Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4). The Pollution Prevention program outlines the procedures to be followed when inspecting and maintaining stormwater facilities located within Township right of way. Good Housekeeping outlines the procedures to be followed when Operating and Maintaining fleet vehicles.

Pollution Detection and Prevention When Maintaining Stormwater Facilities

Inspection:

At a minimum 20 percent of all stormwater facilities located within Township right of way and within the urbanized area are to be inspected on a yearly basis. All stormwater facilities located within Township right of way and within the urbanized area are to be inspected within five years. Keep a written log of the inspections and submit a copy to the engineering department each year. Log to include name of street, and date of inspection. Note the locations of any inlets or pipes found to have excessive debris and or structural deficiencies. Note the locations of facilities requiring cleaning and or maintenance.

Each year 20 percent of Township facilities within the urbanized area but outside of Township right of way are to be inspected by engineering staff. The engineer will notify the owners of facilities where deficiencies are noted.

Cleaning:

Carefully inspect the debris before removal to determine if any foreign substances such as oil, grease, household chemicals, or any foreign material other than anti skid, stones, dirt or leaves are present. (Note: Confined space entry protocols are to be followed at all times.)

If the presence of foreign material is suspected, do not remove the debris. Notify the engineering department of the location of the suspect material and a member of the engineering department will inspect the location. If it is determined that there may be a foreign substance, the material is to be placed in a plastic garbage bag and disposed of in accordance with DEP guidelines. If possible, determine source of the foreign material.

If no foreign materials are suspected, debris may be removed from inlets using either the vac truck or hand methods.

All materials removed from inlets and pipes are to be taken to the Solid Waste Authority for disposal unless a due diligence inspection indicates that there are no deleterious or hazardous wastes contained in the material. Material not taken to the Solid Waste Authority must be landfilled at a NPDES permitted site.

Maintenance:

Repair damaged or deteriorated inlets to ensure that inlets and pipes function as designed. Notify the engineering department if inlets or piping appear to be improperly sized or located. An example of this would be evidence of ponding of water at an inlet indicating that the inlet surcharges during storm events.

Good Housekeeping

Vehicle Maintenance:

All maintenance activities are to be performed within the maintenance buildings. All used motor oil, and other fluids are to be stored in the recycling barrels until such time as the oil recycling firm picks them up. Immediately clean up spilled oil or other fluid and place clean up materials in the designated receptacles. Do not track spilled materials outside of the buildings. Inspect floor for signs of leaking or dripping fluids. If drippings are noted on the floor determine the source of the leak and make the required repairs. Place drip pans to capture fluids.

Vehicle Washing:

Wash vehicles inside the buildings so that the wash water is collected by the trench drains. Remember, these drains direct water to the Sanitary Sewer and to a treatment plant. When washing vehicles, look for signs of leaking or dripping fluids.

Fueling:

When fueling up do not “top off” the tank as this may result in spillage of fuel.

Deicing Operations:

When loading salt onto the trucks ensure that salt spilled during the loading operation is either placed on the truck or placed back onto the pile underneath the shed roof such that precipitation does not fall onto the salt. Load salt and an equal volume of antiskid as per the township procedure. Verify that the spreaders are functioning properly to ensure an even distribution at the calculated rate.

Park Maintenance:

Routine maintenance at the parks and open space includes mowing and pick up of garbage. If any suspicious substances are noted during these activities notify the engineering department. The engineering department will inspect the site and will determine if clean up is required. The nature of the cleanup will be as needed to eliminate the substance. All material removed is to be sent to the Solid Waste Authority.

Spills at Township Streets:

When a spill of a any substance such as oil or hydraulic fluid is discovered by Township personnel the following steps are to be taken.

1. Contact the engineering department.
2. Install absorbent snakes downstream of the spill if needed to prevent downstream contamination. Note that absorbent snakes are located at the Township maintenance facility and in several of the Township vehicles.
3. If the spill has reached a Water of the Commonwealth, the engineering department will contact DEP.
4. Attempt to identify the source of the spill and the party responsible for the spill. If the responsible party is identified notify them of the spill and cleanup requirements.
5. If the responsible party is not identified begin cleanup using oil dry and remove as much of the product as feasible.
6. All cleanup materials are to be properly bagged and disposed of.
7. The engineering department will enter the incident in the Spills and Illicit Discharges notebook.

Street Sweeping:

Street sweeping is conducted in the spring. Streets are swept to remove anti skid from the road surface. All material retained in the street sweeper is to be taken to the Solid Waste Authority for disposal unless a due diligence inspection indicates that there are no deleterious or hazardous wastes contained in the material. Material not taken to the Solid Waste Authority must be landfilled at a NPDES permitted site.

2023 Update: As the Township transitions away from UAJA compost storage towards a site to be determined, staff shall evaluate the new site and operations for stormwater compliance.

In the event of a potential threat to persons or property, Public Works should contact 911 for immediate assistance.

In the event Public Works identifies a pollutant posing no immediate threat to persons or property, Public Works may contact Centre Region HazMat Duty Officer for assistance with material identification. Proper identification of the substance may lead to identifying the origin and prevention of future releases. The Centre Region HazMat Response Team has several tools which can assist with the identification of chemicals and substances, ranging from fuels to poisons. Contact the HazMat Duty Officer by calling Centre County Communication Center at 1-800-479-0050.

MS4 Sign-in

Jan 27th

Barry Clark

Kacey Weyant

And

Ann

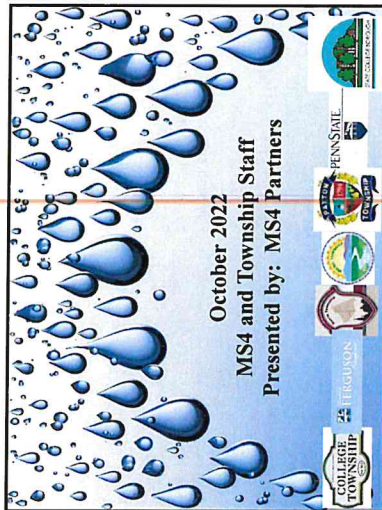
Todd Shea

Bridget Armstrong

Dub Long

NATE FREY

Dan



NPDES - Phase II MS4 Permit

National
Pollution
Discharge
Elimination
System

Municipal
Separate
Storm
Sewer
System

Who Has a Permit?

Permit Tidbits

- The MS4 Partners* received their new 5-year permit effective July 1, 2020
- Each MS4 Partner (now including Spring Township) is required by the MS4 Program to complete an Annual Report
- Annual Reports are completed by Engineering staff
 - Review activities each July 1 – June 30
 - Report due September 30
- Each MS4 Partner* is required to abide by a Pollutant Reduction Plan (PRP) that details stormwater-related projects
 - Public works will ultimately assist in project maintenance

What Does Our Permit Require?

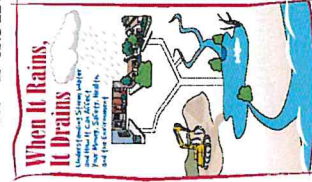
- Implement a Stormwater Management Program (including SWM Ordinance)
 - Ordinance to be updated before 2025
 - Standard Operating Procedures
 - Track progress toward goals
 - Document, Document, Document
 - Report on our progress
- Chesapeake Bay Pollution Reduction Plan

Minimum Control Measures

- Public Education
- Public Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Management
- Post-Construction Stormwater Management
- Good Housekeeping and Pollution Prevention

1. Public Education

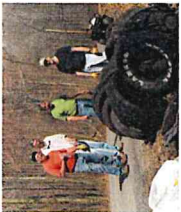
- Develop a written Public Education & Outreach Program (PEOP) & Update Annually
- Send Out Educational Material & Track Who Gets It.
 - Township newsletters
 - Stormy the Raincloud
 - www.ms4Partners.org



When It Rains,
It Drains

Don't Let It Go Down the Drain!
Use Your Head! Use Your Hands!
And Use Your Feet!






2. Public Involvement

- Develop Written Public Involvement/Participation Plan (PIPP) & Update Annually
- Attend Public Meetings
 - Generally a presentation on MS4 is incorporated into a Township monthly meeting



3. Illicit Discharge Detection

PW should report all *dry weather* flow to Engineering:

- Track down illicit discharge (IDDE)
- Ordinance allows for citation for non-compliance
- Maintain Storm System Map

Must report each case of illicit discharge or illegal dumping

Report any sighting of **illicit dumping**

Engineering keeps records

Educate or Punish?

§ 13-4.5. Violations and penalties.

A. Any person violating the provisions of this chapter shall be guilty of a misdemeanor and, upon conviction, shall be subject to a fine of not more than \$1,000 for each violation and recoverable with costs. Each day that the violation continues shall be a separate offense.

B. In addition, the Township, through its Solicitor, may institute injunctive, mandamus or any other appropriate action or proceeding at law or in equity for the enforcement of this chapter, and may seek temporary, permanent or permanent injunctive, mandamus or other appropriate forms of remedy or relief.

C. The cost of removal, fines and penalties hereinabove mentioned may be entered by the Township as a lien against such property, or properties of individual members of a property owners' association, in accordance with the existing provisions of the law.

Ordinance update will recommend an alternative, more consistent with a parking ticket for minor cases.



4. Construction Site Runoff Management

Conservation District Enforces

- PW staff should remain cognizant to utilize sound E&S practices
 - Silt socks
 - Prevent mud tracking
 - No mud discharged to inlets

4. Construction Site Runoff Management

Conservation District Enforcement

- PW staff may contact engineering to report:
 - Significant tracking of mud onto roadways
 - Significant siltation of waterways emanating from construction sites



5. Post-Construction



- Encourage BMP's (Best Management Practices)
- Ordinance Requirements
- Ownership/ Maintenance/ Inspection
- PW please report illegal dumping/littering/brush

5. Post-Construction



- “See something, say something”
- Inspections occur generally every 5th year (20% annually)
- Report failures, sinkholes, embankment collapse to Engineering

6. Pollution Prevention/Good Housekeeping for Municipal Operations

- BMP#1 – Develop a Written Prevention Pollution/Good Housekeeping Program – (PPGHP)
- BMP#2 – Develop/Implement/Maintain Written Operation & Maintenance Program (O&M)
- BMP#3 – Develop/Implement an Employee Training Program for Appropriate Topics

Training should be provided to: All municipal employees, contractors, elected officials, police & fire responders, volunteers and contracted personnel

MCM#6 - BMP#3 Employee Training Program

- 1 – Equipment Maintenance
- 2 – Equipment Fueling
- 3 – Waste Collection/Management
- 4 – Stormwater BMP Maintenance
Streambank Restoration
Outfall clearing
Basin / swale clearing
- 5 – Illicit Discharge Detection/Elimination
“Anything oily, sudsy, discolored, odorous...”
Grass & leaves

Equipment Maintenance

- All major equipment maintenance is to be performed at the designated shop.
- Emergency maintenance in field requires containment of leaking fluids, clean up with absorbent material, and proper disposal.
- Routinely inspect equipment to look for leaking fluids and report for repairs.
- Cleaning of equipment is to be performed at designated shop in location that drains to sanitary sewer – not in parking lot.

Equipment Fueling

- Equipment fueling performed on work sites shall be done with care to minimize spills. If fuel spill, clean up with absorbent material and dispose of properly.
- Do not top off equipment – leave room for fuel to expand when hot.

Waste Collection / Disposal

- Ensure trash receptacles are routinely emptied.
- If dumpsters are leaking, report to have new dumpster replaced with water tight dumpster. Keep dumpster lids closed to keep rain water out.
- Always pick up trash and dispose of properly – do not mow over trash.

Stormwater BMP Maintenance

- Ensure that BMP outlet structures are not block/clogged.
- Report to Municipal Engineer any BMP that has standing water for more than 3 days after rainfall.
- Report to the Municipal Engineer any sinkhole in any BMP immediately.
- Mow in accordance with established program. Not all BMPs get mowed all the time – some are only once a year.
- Report any soil erosion in BMPs
- *Streambank "maintenance" – allowing streambanks to exist in a natural riparian state*

Illicit Discharge Detection / Elimination

- What is it? – anything that isn't clean/clear water.
- Report any suspected Illicit Discharge you observe to the Municipal Engineer
- Report any observed dumping to the Municipal Engineer
- *Now includes residential detergent releases (car wash)*
- *Now includes "natural debris" deposited in swales, etc.*
- *"See something, say something" – PW staff are not policemen, detectives, or investigators. Engineering staff will investigate potential illicit discharges.*

Illicit Discharge Detection / Elimination **Is anything legal anymore?**

- Discharges or flows from firefighting activities.
- Discharges from potable water sources including water line flushing and fire hydrant flushing, *if such discharges do not contain detectable concentrations of Total Residual Chlorine (TRC).*
- *Non-contaminated* irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and wetlands.
- Diverted stream flows and springs.
- Non-contaminated pumped ground water and water from foundation and footing drains and crawl space pumps.

Illicit Discharge Detection / Elimination **Is anything legal anymore?**

- *Non-contaminated* HVAC condensation and water from geothermal systems.
- Residential (i.e., not commercial) vehicle wash water *where cleaning agents are not utilized.*
- Non-contaminated hydrostatic test water discharges, *if such discharges do not contain detectable concentrations of TRC.*

The onus is NOT on PW staff to remember these exemptions or track exemptions. PW staff shall report any suspicious discharge and engineering shall investigate and track.

When do I panic?

If, in the opinion of a reporting individual or the individual receiving the report, there is "any" belief that a pollution incident may cause an eminent threat to:

- Environment (fish kill)
- Property
- Community health (daycare)
- Public water supply

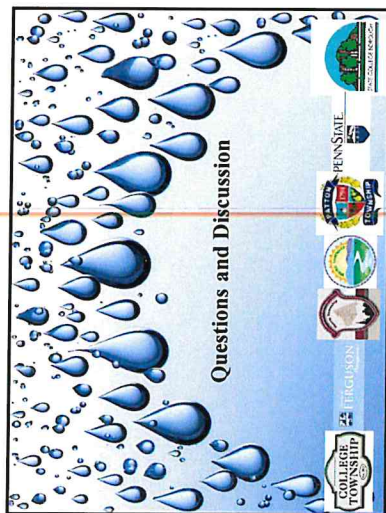
Call 911 and a HazMat team will be deployed.

When don't I panic?

The staff-level commitment is to make the report.

While a polluter may not be immediately cited, or while a polluter may attempt to "game the system," the staff-level responsibility does not extend through citation and cessation.





Centre Region Parks and Recreation
MS4 Employee Training
May 10, 2023

Due to concerns with the COVID-19 pandemic, a sign in sheet was not circulated for signature. The following individuals were present during the presentation.

Jim Carpenter

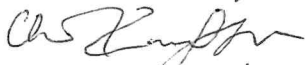


Ted Weaver

Brad Stamm



Clint Kaufmann



Dave Hartzell

Steve Sunderland



Lois Chambers

Andrew Foor

Storm Smith



Randy Holsopple

Hunter Shawver

Steve Patton

John Gladfelter



Justin Morris



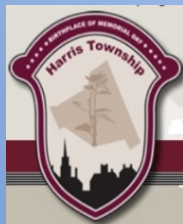
Dave Barnett



STEVEN PATTON

TIFFANY WEAVER

May 10, 2022
Centre Region Parks & Rec
Prepared by: MS4 Partners



NPDES - Phase II

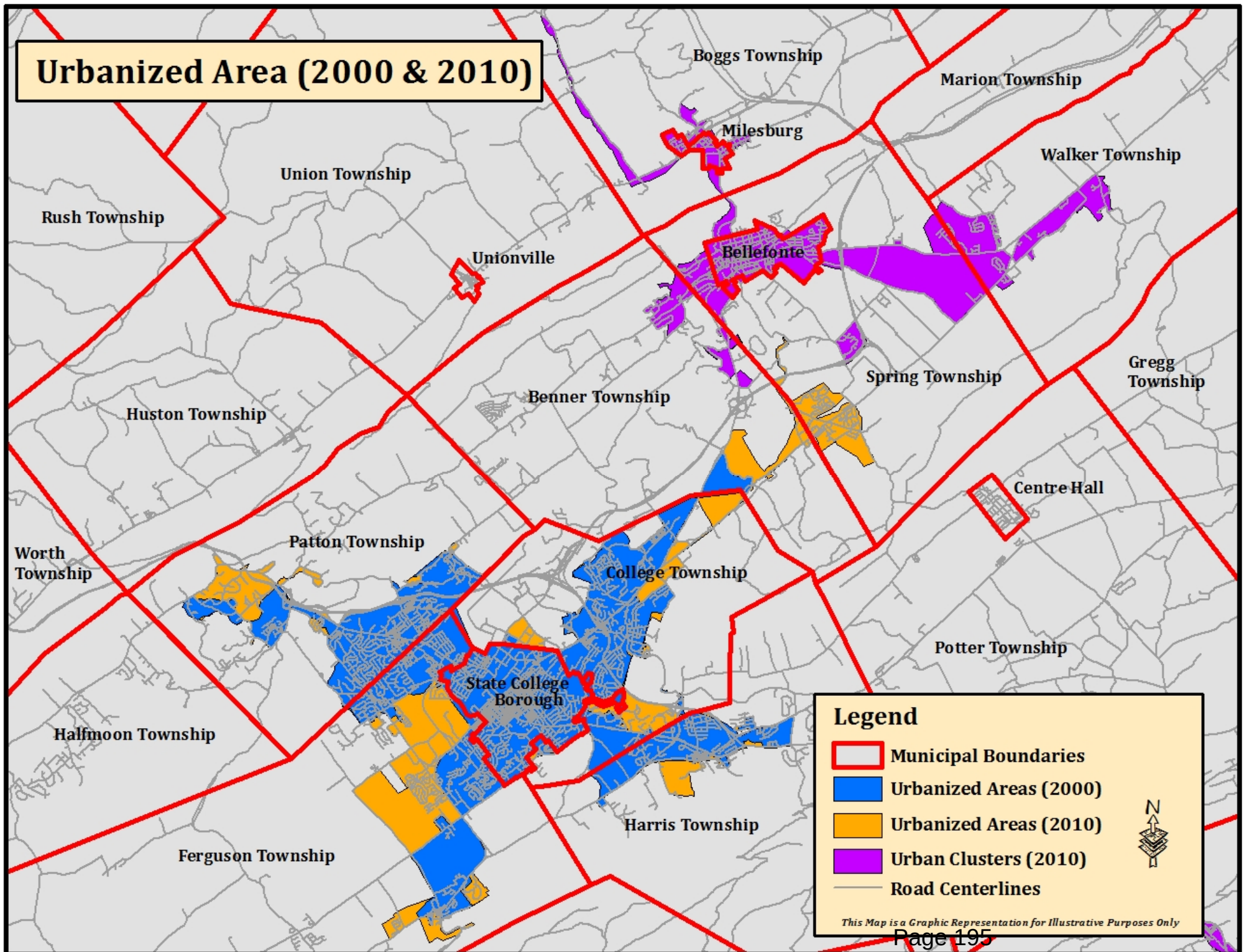
MS4 Permit

National
Pollution
Discharge
Elimination
System

Municipal
Separate
Storm
Sewer
System

Who Has a Permit?

Urbanized Area (2000 & 2010)



What Does Our Permit Require?

- Implement a Stormwater Management Program (including SWM Ordinance)
 - Standard Operating Procedures
 - Track progress toward goals
 - ◊ Document, Document, Document
 - Report on our progress
- Chesapeake Bay Pollution Reduction Plan



Minimum Control Measures

1. Public Education



2. Public
Involvement



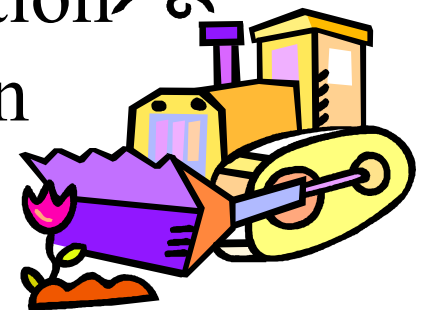
3. Illicit Discharge
Detection and
Elimination



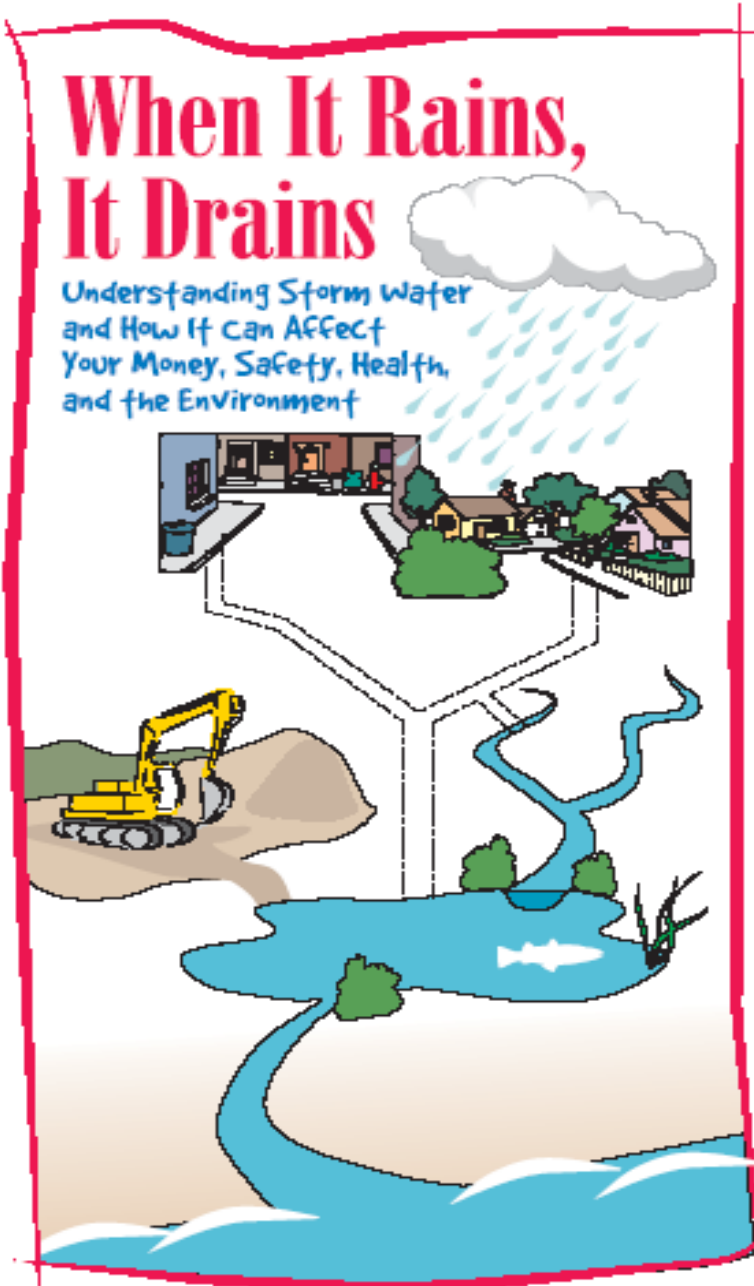
4. Construction Site
Runoff Management

5. Post-Construction
Stormwater
Management

6. Good Housekeeping
and Pollution
Prevention



1. Public Education



- Develop a written Public Education & Outreach Program (PEOP)
- Send Out Educational Material & Track Who Gets It.

2. Public Involvement

- Develop Written Public Involvement/Participation Plan (PIPP)
- Provide Opportunities for Public Involvement, like:
 - Spring Creek Watershed Cleanup Day
 - Inlet Stenciling Project
- Hold 1 Public Meeting Per Year



3. Illicit Discharge Detection



Since **Year 3**, Permit Holders must test *dry weather* flow:

- Track down illicit discharge (IDDE)
- Ordinance allows for citation for non-compliance
- Maintain Storm System Map
- **Must report each case of illicit discharge or illegal dumping**

Report any sighting of illicit dumping

4. Construction Site Runoff Management **DEP**



5. Post-Construction

- Encourage BMP's (Best Management Practices)
- Ordinance Requirements
- Ownership/ Maintenance/ Inspection



6. Pollution Prevention/Good Housekeeping for Municipal Operations

BMP#1 – Develop a Written Prevention Pollution/Good Housekeeping Program – (**PPGHP**)

BMP#2 – Develop/Implement/Maintain Written Operation & Maintenance Program (**O&M**)

BMP#3 – Develop/Implement an Employee **Training Program** for Appropriate Topics

Training should be provided to: All municipal employees, contractors, elected officials, police & fire responders, volunteers and contracted personnel

BMP#3 – Employee Training Program

Park Maintenance Key Points

- 1 – Equipment Maintenance
- 2 – Equipment Fueling
- 3 – Waste Collection/Management
- 4 – Stormwater BMP Maintenance
- 5 – Illicit Discharge Detection/Elimination

Equipment Maintenance

- All major equipment maintenance is to be performed at the CRPR shop.
- Emergency maintenance in field requires containment of leaking fluids, clean up with absorbent material, and proper disposal.
- Routinely inspect equipment to look for leaking fluids and report for repairs.
- Cleaning of equipment is to be performed at CRPR shop in location that drains to sanitary sewer – not in parking lot.

Equipment Fueling

- Equipment fueling is generally performed off-site.
- Equipment fueling performed in parks done with care to minimize spills. If fuel spill, clean up with absorbent material and dispose of properly.
- Do not top off equipment – leave room for fuel to expand when hot.

Waste Collection / Disposal

- Ensure trash receptacles are routinely emptied.
- If dumpsters are leaking, report to have new dumpster replaced with water tight dumpster. Keep dumpster lids closed to keep rain water out.
- Ensure doggie pot dispensers are always full to provide opportunity for park users to collect pet waste.
- Always pick up trash in park and dispose of properly – do not mow over trash.

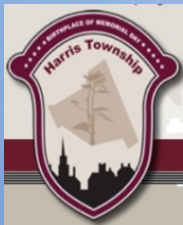
Stormwater BMP Maintenance

- Ensure that BMP outlet structures are not block/clogged.
- Report to Municipal Engineer any BMP that has standing water for more than 3 days after rainfall.
- Report to the Municipal Engineer any sinkhole in any BMP immediately.
- Mow in accordance with established program. Not all BMPs get mowed all the time – some are only once a year.
- Report any soil erosion in BMPs (or anywhere in the parks)

Illicit Discharge Detection / Elimination

- What is it? – anything that isn't clean/clear water.
- Report any suspected Illicit Discharge you observe to the Municipal Engineer
- Report any observed dumping to the Municipal Engineer

Thank You!!





MS4 Field Inspections & Survey 123

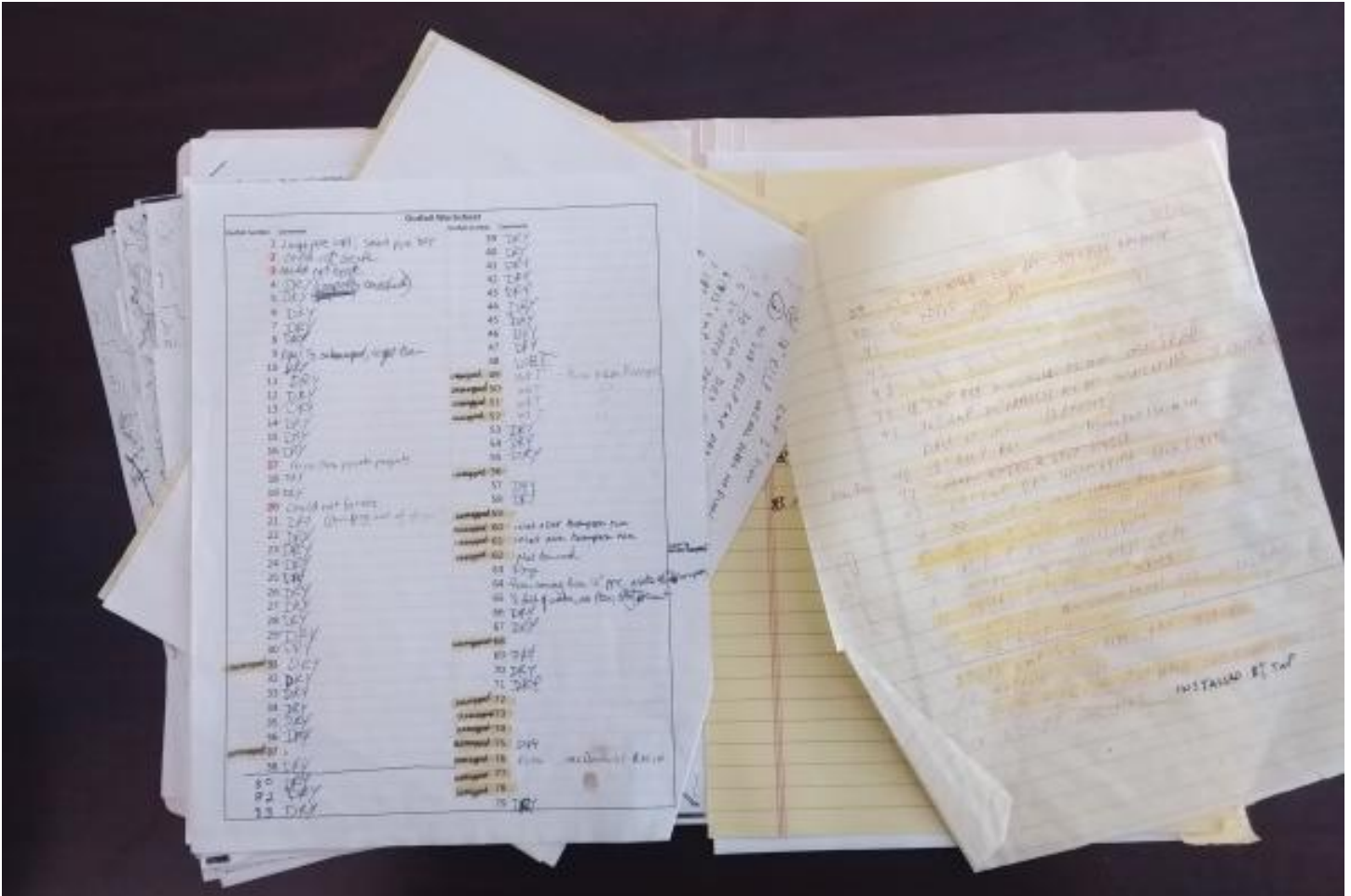
Integrating ESRI's Survey 123 into your organizations stormwater inspection process

Shane Adams- GIS Specialist - College Township Engineering
July 29, 2022

Requirements

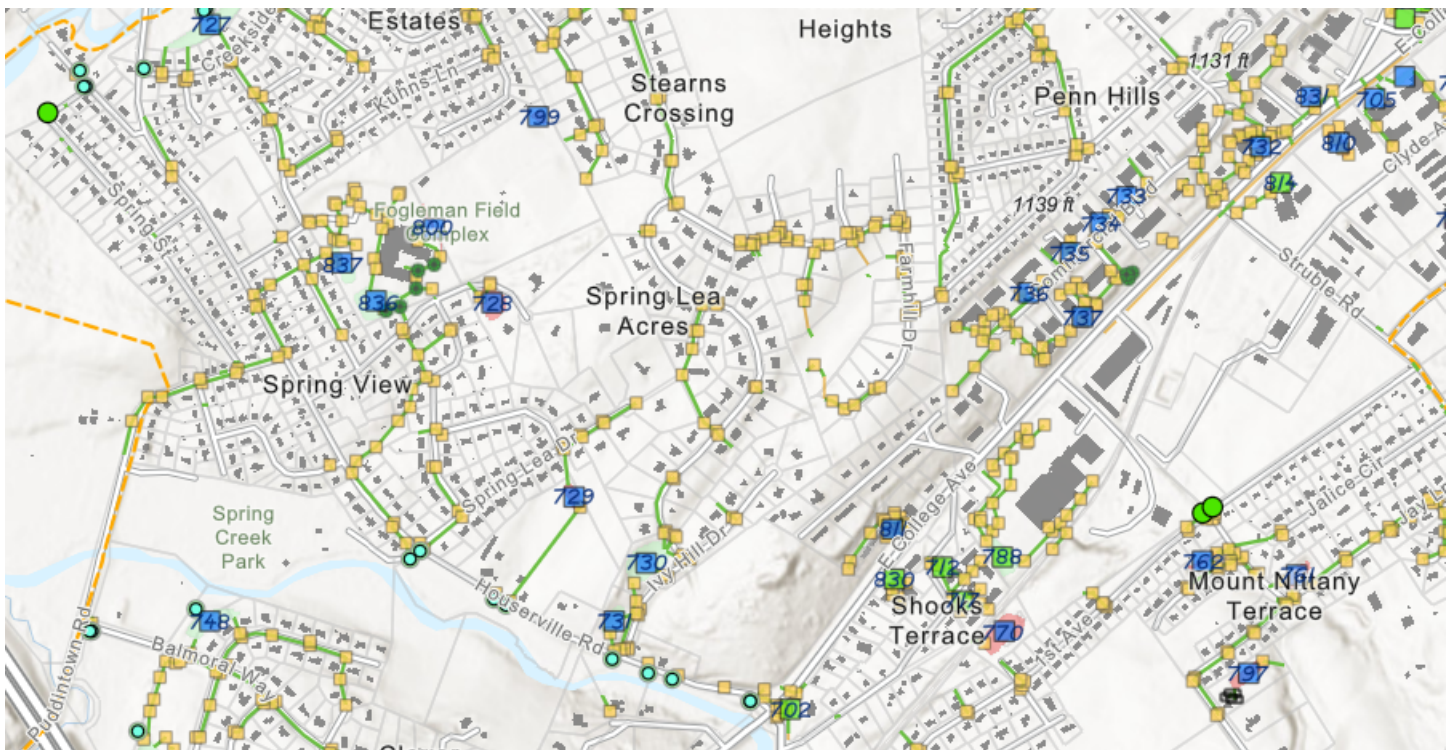
- ArcGIS Online and ArcGIS Pro account (ArcMap is also applicable)
- Survey 123 Connect for Desktop (latest version)
- Mobile Device for field inspections with mobile cellular capabilities
- Existing Stormwater map and feature layer of outfalls/BMP's with unique IDs

Transition to Automation



In the beginning...

- Field inspection of stormwater assets were paper based with outfall locations hand drawn on topographic maps
- Physically locating these outfalls and keeping track of them was incredibly difficult and inefficient
- There was an obvious need for a smart, location based tracking system



Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contributors, PSU Office of Physical Plant, Centre Coun... Powered by Esri

Adopting a GIS program

- The Township started to integrate a summer GIS internship into its tracking and maintaining of stormwater systems to meet MS4 NPDES requirements
- There was a great effort to collect all stormwater assets within the Township, along with Outfalls and BMP's there was also collection and mapping of storm mains, inlets, manhole covers, etc...
- Realizing the growing need and importance of GIS in the Township, a full time GIS position was added in 2017
- MS4 assets became much easier to track and inspect, as feature layer attributes were updated each inspection cycle to reflect the requirements of the MS4 program
- Even with all this advancement, tedious paper work and reporting was still required for end of permit cycle documentation

Utilizing ArcGIS Online

- In 2019, the Township started transitioning its work flows to ArcGIS Pro and ArcGIS Online
- Utilizing field application like collector and survey 123 enable even greater efficiency in asset inspections and reporting



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: _____		NPDES Permit No.: PA-_____		
Date of Inspection: _____		Outfall ID No.: _____		
Land Uses in Outfall Drainage Area (Select All):		Latitude: _____° _____' _____"		
☐ Industrial	☐ Urban Residential	Longitude: _____° _____' _____"		
☐ Commercial	☐ Suburban Residential	Dry Weather Inspection? ☐ Yes ☐ No		
☐ Open Space	☐ Other: _____	Date of Previous Precipitation: _____		
Inspector Name(s): _____		Amount of Previous Precipitation: _____ in		
		Were Photographs Taken? ☐ Yes ☐ No		
		Are Photographs Attached? ☐ Yes ☐ No		
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☐ Open Channel	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☐ Parabolic ☐ 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. _____				

Automating the Process

- Pennsylvania DEP Provides MS4 outfall report templates here:

- DEP eLibrary

MS4 Field Screening Report

<http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=2740>

- The idea was to generate a form in survey 123 that replicated the questioning sequence and matched the schema of the DEP field screening report

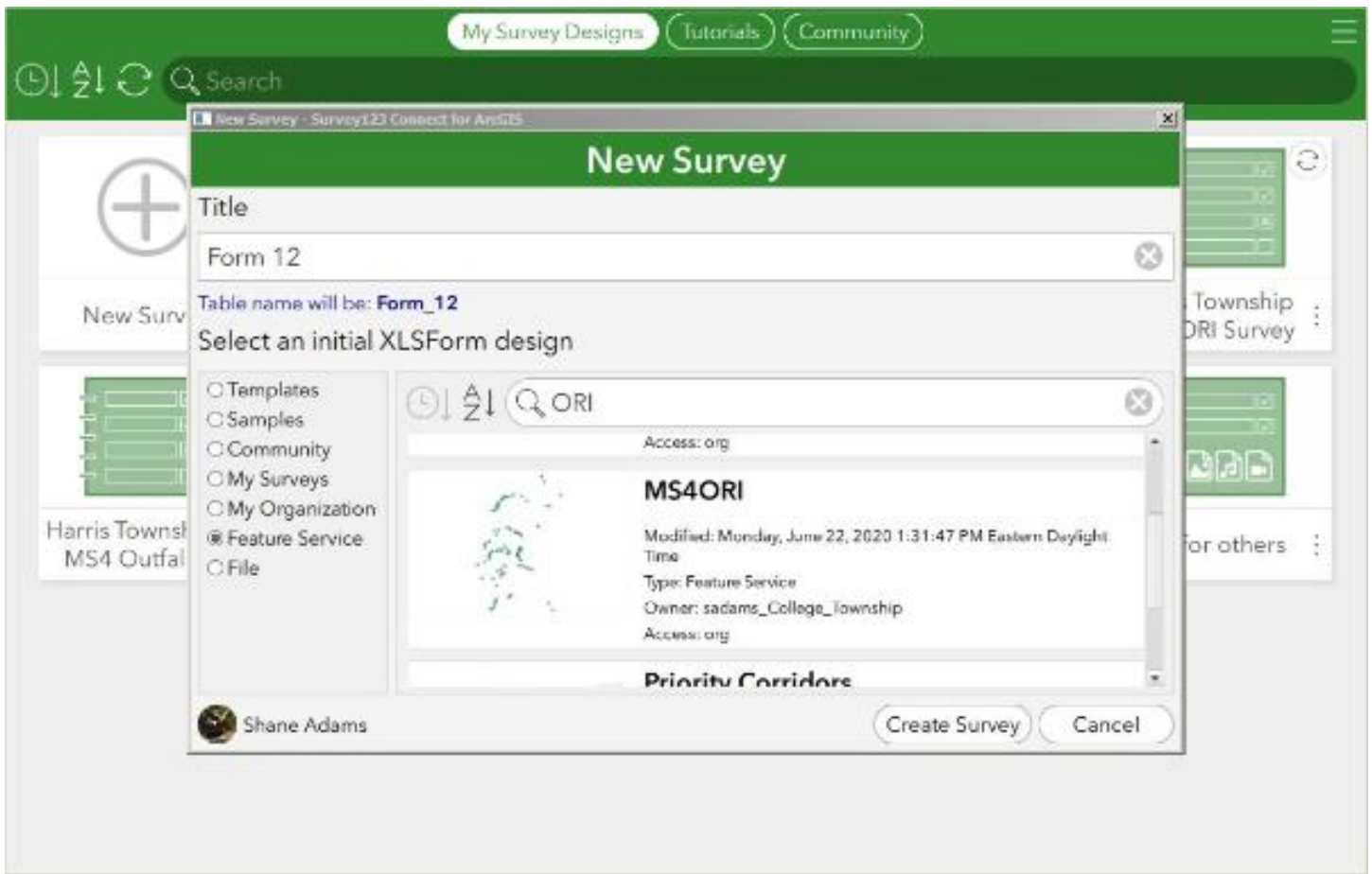
The screenshot displays the MS4ORI form within a web application. The interface includes a green sidebar on the left with navigation icons for 'Where', 'Update', 'Map', 'Route', 'Global', and 'Tools'. At the top, there are tabs for 'Form Preview', 'Schema Preview', and 'Settings'. The main form area is titled 'MS4ORI' and contains the following fields:

- Point:** A red error message 'Position source access error' is displayed above a text input field containing 'globalid'.
- Permittee Name:** A text input field containing 'College Township'.
- Date Of Inspection:** A date and time picker showing 'Friday, July 24, 2020' at '2:35 PM'.
- Land Use In Outfall Drainage Area:** A dropdown menu.
- Inspector Names:** A dropdown menu.
- NPDES Permit No.:** A text input field containing 'PA'.
- Outfall ID No.:** A text input field.
- Dry Weather Inspection?** A checkbox labeled 'Yes'.

A green checkmark icon is visible in the bottom right corner of the form, indicating successful completion or validation. The bottom status bar shows 'Landscape # 3' and 'Load time on Windows 1.3 seconds'.

Publish to ArcGIS Online

- Once the form is free of errors, its time to publish the survey to ArcGIS Online
- Publishing creates a feature layer with attributes that match the desired fields of the DEP field report
- The form based feature layer is then appended to the organizations existing unique outfall layer which contains at least X,Y values, Outfall number and image attachment enabled



Finalizing the Survey in Connect

- Create a new survey based on the newly created feature service
- This new survey form will be very similar to the original with few slight differences

	A	B	C	D	E	F	G	H
	form_title	form_id	instance_name	submission_url	default_language	version	style	
1	MS4OR	MS4OutfallSurvey	"Outfall ID No:" + \${OutfallIDN}	https://www.arcgis.com/sharing/rest/content/items/e4a91168300843198224174f56a2e143				
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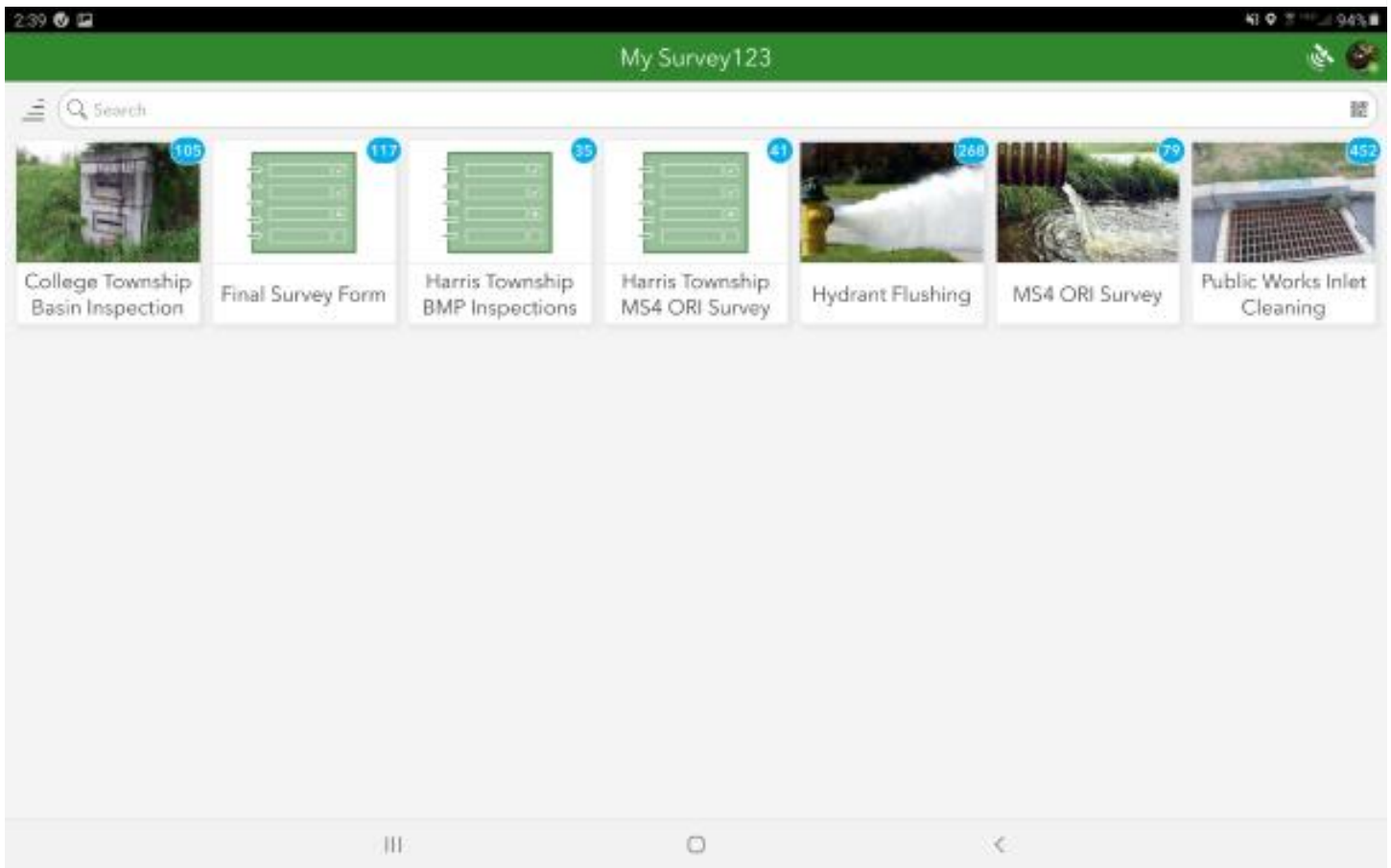
Instance Name

- In order for the survey to populate the individual Outfalls during inspection, instance_name in the settings tab of the survey will need to replicate the code:

"Outfall ID No:" + \${OutfallIDN}

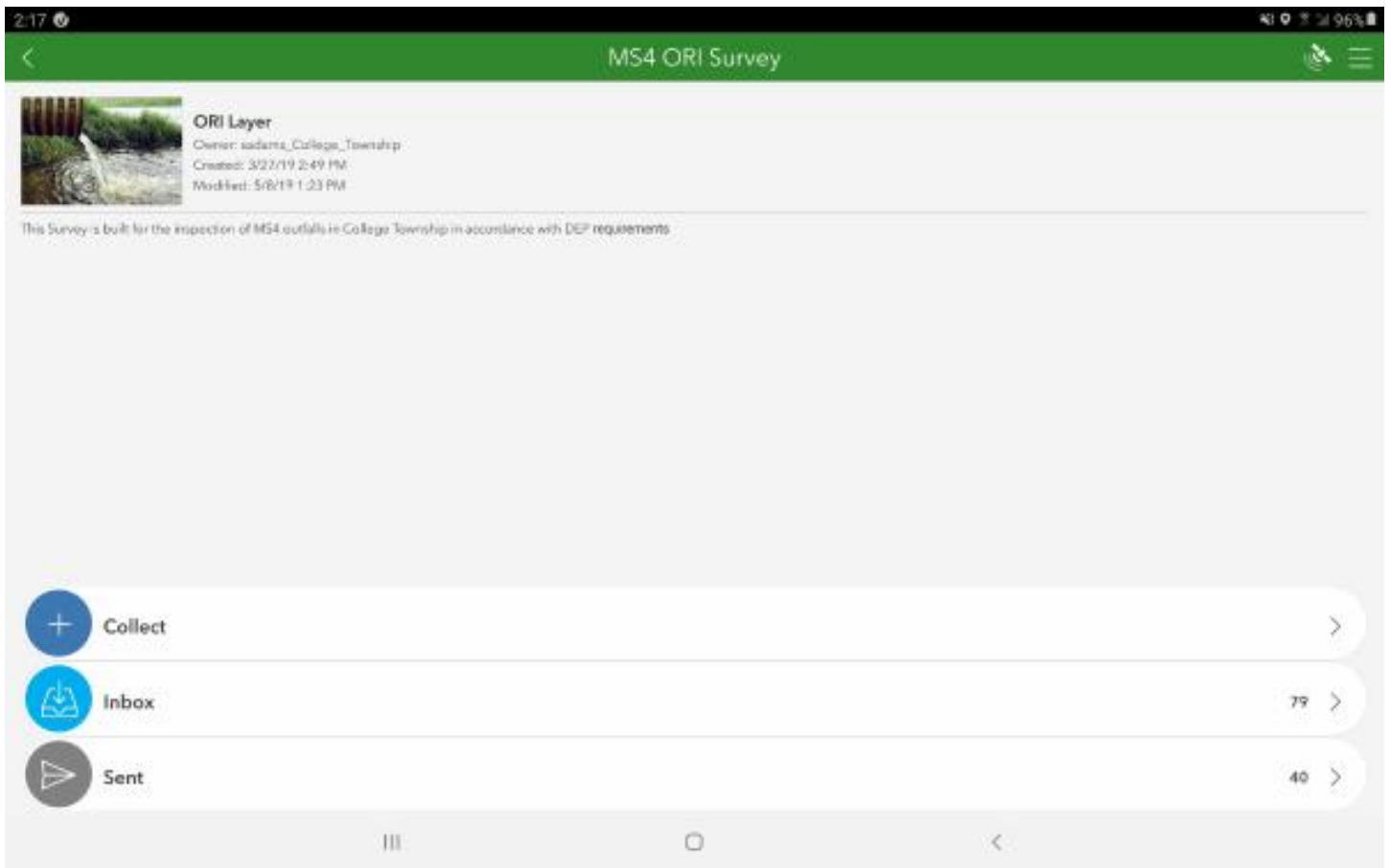
Inbox Function & Publish

- The last step is to enable "inbox mode" under setting. This will give the end user the ability to navigate to the desired outfall during field inspection while using the Survey 123 app for mobile



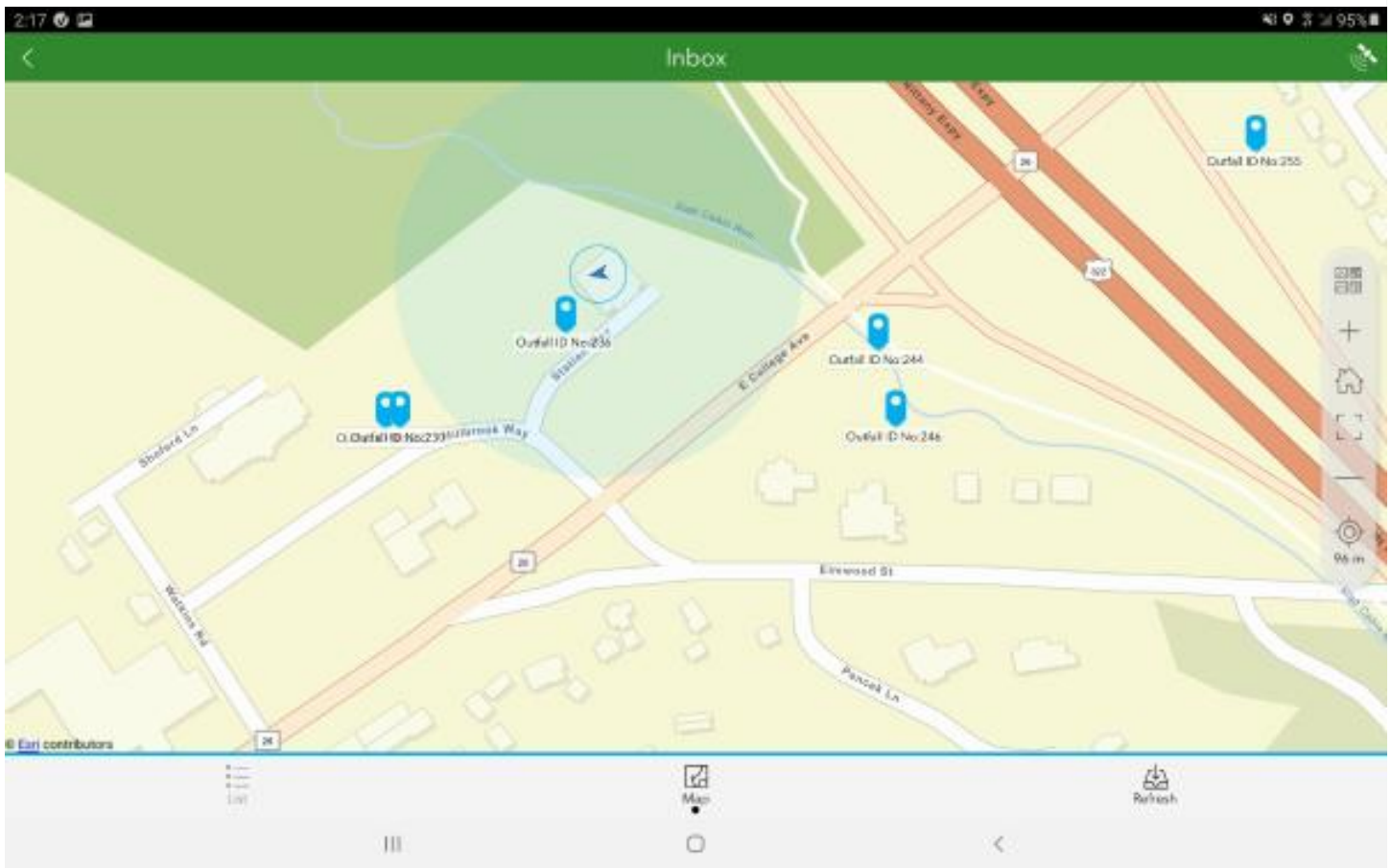
Survey 123 Mobile - Home Page

- Switch between built surveys easily and efficiently
- College Township relies on survey 123 to accomplish tedious inspection processes across multiple departments
- Survey 123 for Mobile is easy to use and requires very little training for field workers.



Survey 123 Mobile - Inbox

- Inbox functionality is a key tool in integrating existing features.
- Sent surveys can be edited even after completion.



Survey 123 Mobile - Base Maps & Field Navigation

- Field navigation to assets in Survey 123 is fully integrated.
- Users can switch between multiple base maps, control extent and even enable geolocation to view specific location relating to each asset.

The screenshot displays the MS4ORI mobile application interface. At the top, a green header bar contains a close button (X), the title "MS4ORI", and a menu icon (three horizontal lines). The main form area is light gray and contains several input fields and sections:

- Date Of Inspection:** A date picker field with a calendar icon and a time picker field with a clock icon.
- Land Use In Outfall Drainage Area:** A dropdown menu with a downward arrow.
- Inspector Names:** A dropdown menu with a downward arrow.
- NPDES Permit No:** A text input field.
- Outfall ID No:** A text input field containing the value "310" and a clear button (X).
- Dry Weather Inspection?** A section with two radio buttons labeled "Yes" and "No".
- Date Of Previous Precipitation:** A date picker field with a calendar icon.
- Amount Of Previous Precipitation:** A text input field.

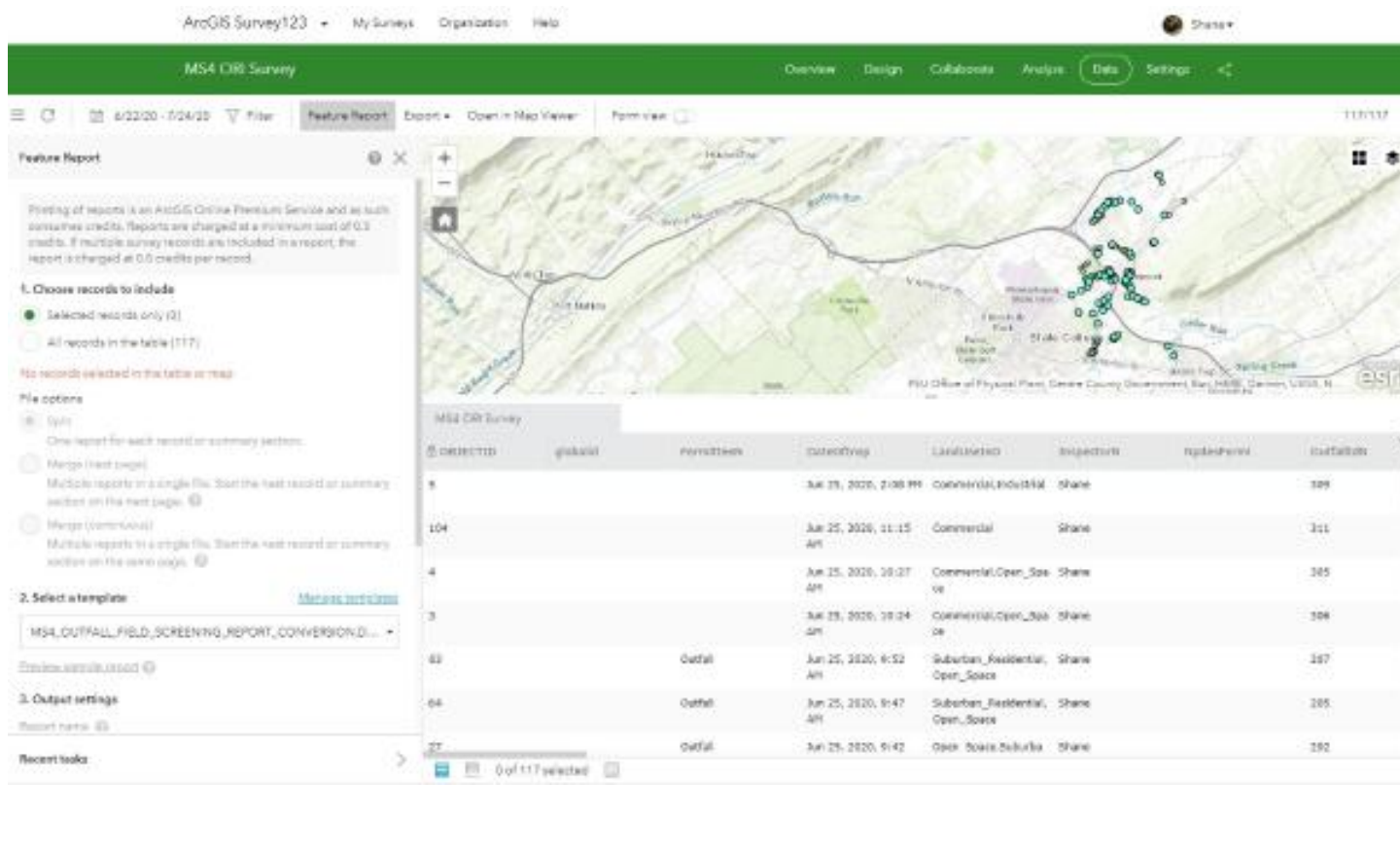
At the bottom of the form, there is a green bar with a checkmark icon on the right. Below the form, there is a navigation bar with three icons: a list icon (three vertical bars), a home icon (a square), and a back icon (a left-pointing arrow).

- Surveys designed to match DEP's outfall screening reports can utilize drop downs menus and skip logic, significantly reducing inspection time for field workers while ensuring consistent data.



Tracking Field Inspections

- Setting up a Dashboard is a great way to track the field inspections
- This Dashboard reflects real time data and enables others in the organization to view inspection progress



Survey 123 Feature Reporting

- The feature reporting function allows users to convert the field collected data directly into the DEP outfall screening reports. Check out the link for a ready to use outfall screening report template

MS4_OUTFALL_FIELD_SCREENING_REP...

Coded Field Screening Report

<https://drive.google.com/file/d/14QPUiC-fX-VMA22w1SISKpzQXS5gqrbw/view?usp=sharing>

- Feature reporting allows for single or many feature report generation

MS4 OUTFALL FIELD SCREENING REPORT

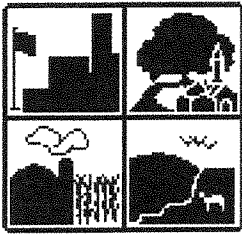
BACKGROUND INFORMATION					
Permittee Name: Outfall			NPDES Permit No.: PA 1134803		
Date of Inspection: 05/25/2020 9:42 AM			Outfall ID No.: 202		
Land Uses in Outfall Drainage Area (Select All): Open Space, Suburban Residential			Latitude: 40.5135111105		
			Longitude: -77.8387500001		
			Dry Weather Inspection? ☒ Yes ☐ No		
			Date of Previous Precipitation: Jun 22, 2020		
Amount of Previous Precipitation: .64 in			Were Photographs Taken? ☒ Yes ☐ No		
Inspector Name(s): Shane Adams			Are Photographs Attached? ☐ Yes ☐ No		
OUTFALL DESCRIPTION					
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED	
☒ Closed Pipe	CMP	Circular, Single	Diameter: 30.00 in	*See comments	
☐ Open Channel					
Dry Weather Flow Present at Outfall During Inspection? ☐ No (If No, skip to Certification Section)					
Description of Flow Rate:					
DRY WEATHER FLOW EVALUATION					
Does the dry weather flow contain color? ☐ If Yes, provide a description below:					
Does the dry weather flow contain an odor? ☐ If Yes, provide a description below:					
Is there an observed change in the receiving waters as a result of the discharge? ☐ If Yes, provide a description below:					
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? ☐ If Yes, provide a description below:					
Were sample(s) collected of the dry weather flow? ☐ (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:			Oil and Grease		mg/L
Other:			Other:		

Example of automated report (each report uses 0.5 credits)

questions or comments welcome:

Shane Adams, GIS Specialist :
sadams@collegetownship.org

Shane Adams College Township



TOWNSHIP OF FERGUSON

3147 Research Drive • State College, Pennsylvania 16801
Telephone: 814-238-4651 • Fax: 814-954-7642
www.twp.ferguson.pa.us

Eco Explorers

Tuesday, July 11, 2023 at Haymarket Park

Name:

Andrew
Kendall
Camille
Lindsay Schoch
Sarah Duff
Chloe
Eman Montagna
David J. Jolin
Estella
Nolan Duff

Additional Items Reviewed:

Spring Creek Watershed and Ground Watershed - Using the Spring Creek Watershed Map, an overview of the Spring Creek Watershed ground water and surface water flows was provided- including the location of the park within the drainage area.

Hydrologic Cycle - Also called the water cycle, it is the path that all water follows as it moves around Earth in different states. Liquid water is found in oceans, rivers, lakes—and even underground. Solid ice is found in glaciers, snow, and at the North and South Poles. Water vapor—a gas—is found in Earth's atmosphere.

Precipitation - Rain, snow, sleet, hail

Groundwater - stormwater water that seeps into the ground. Most of our drinking water in this area comes from groundwater. Spring Creek is a stream fed by groundwater.

Soil - Soil is the upper layer of ground that's made of broken-down rock combined with a mixture of living and non-living organic materials. Living organic materials include bacteria and fungi, while non-living organic materials can include air, water, and broken-down leaves and animals.

Types of Landuse - grass, crops, woods, meadows, impervious (houses, parking lots)

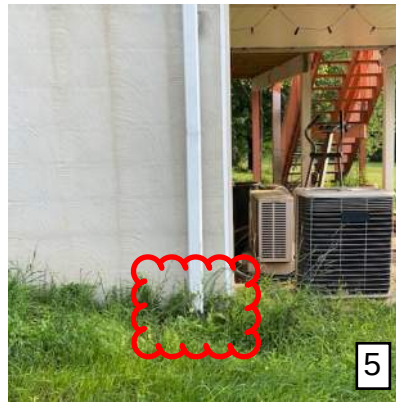
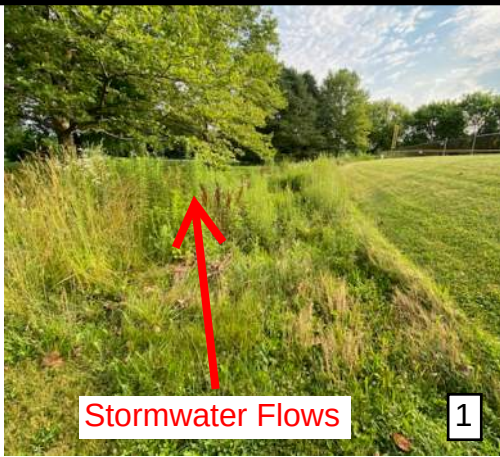
Stormwater Runoff - Runoff occurs when there is more water than land can absorb. The excess precipitation flows across the surface of the land.

Watershed/Drainage Area - The area of land that drains to a stream, lake or river. The drainage area to this Park is 416 acres. The area of the park is approximately 12 acres so the drainage area has an equivalent to 35 parks.

Karst - Karst is a geological system of rocks where water has eroded (dissolved) the bedrock. Karst landscapes feature caves, underground streams and sinkholes on the surface. Where erosion has worn away the land above ground.

Stormwater Pollution - trash, chemicals, fertilizers, oil that are carried in stormwater

Groundwater Recharge - infiltration or the process of water moving through soil and rock layers that make up the Earth's Surface to be stored as groundwater. Ground water feeds our streams and rivers and also is pulled from the ground as drinking water.



- 1 Naturalized Ephemeral Swale and No-Mow Zone - This feature is normally dry and carries stormwater when enough rain falls to generate stormwater runoff. The managed natural planting or “no-mow” area helps to promote a healthy ecology and recharge groundwater. The plants keep the soil in the channel from washing away. The plants and soil help to improve the quality of stormwater.
- 2 Curb Inlet - Curb inlets capture stormwater along streets when it rains, to keep stormwater off the streets and make the streets safe for driving. The inlets are connected to each other with pipes (storm drains) which carry the stormwater to streams, stormwater facilities, and (in the local area) sinkholes.
- 3 Rock Lined Channel - This feature conveys stormwater only when enough rainfall occurs to generate runoff. Why are we using rock? This channel carries a lot of stormwater. The rock is very heavy and designed to keep the soil and plants from washing away.
- 4 Closed Depression - Natural closed depressions occur all over this area and are a low area with no outlet, where stormwater ponds and recharges the groundwater. Large closed depressions help to reduce flooding during heavy rainfall events. Closed depressions may be a sign of a sinkhole forming.
- 5 Downspout to Drywell - Many homes in this area are designed with a gravel drywell- located underground, to help reduce stormwater runoff. The drywell promotes groundwater recharge of stormwater runoff from roofs.
- 6 Sinkhole Forming - This area has karst geology and many natural karst features which drain directly to ground water. Sometimes, when stormwater is concentrated in an area, sinkholes can form and need to be stabilized. Sinkholes introduce stormwater directly into the ground water supply, which is one reason it is so important to keep stormwater runoff clean.
- 7 Haymarket Regional Stormwater Facility - This area is once the site of a large closed depression which naturally infiltrated stormwater. As the area developed, the sinkhole was filled in, which resulted in downstream stormwater flooding. A project was undertaken to enlarge the stormwater facility and restore the natural recharge characteristics. This stormwater facility is maintained as a no-mow zone and is planted with trees, and native species plantings- which help to support the local ecology. The facility has been completely full during several observed rainfall events. (Can you imagine this whole park filled with stormwater?)
- 8 Outlet Structure - When the facility fills with stormwater, this device is designed to control how fast the stormwater (outflow) flows out of the stormwater facility. By controlling the outflow, we can reduce downstream flooding.
- 9 Disconnected Impervious Area - Instead of using curbs and curb inlets, designing a parking lot to drain to a vegetated area helps to treat and reduce stormwater runoff volumes.
- 10 Mowed Grass Swale - the grass swale carries stormwater during heavy rainfall events. Using grass swales instead of curb inlets helps to improve stormwater quality and creates an opportunity for groundwater recharge.
- 11 Disconnected Downspout - Like the disconnected impervious area above, disconnecting downspouts, designed to drain into a grassed area, helps to improve stormwater quality and promote groundwater recharge.
- 12 Native Species - These Brown-Eyed Susan are a native flower. Along with many other native species planted, these plants improve ecology by serving as a food source for pollinators and birds as well as improving soil health. They also look very pretty!
- 13 Noxious Weed - This is Canadian thistle and it is considered an invasive species. The Township attempts to control/remove populations of invasive plants to reduce their spread. There are several prevalent invasive plants in this area. Invasive plants are capable of taking over displacing native or beneficial plants, can significantly reduce crop yields/pasture productivity, interferes with harvesting, and is a host for some crop damaging insects.
- 14 Stormdrain Outfall - The Township monitors all outfalls for signs of illicit discharge. Illicit discharge includes soapy water, oil/oil sheen, grease, sewage, or anything that is not supposed to enter the stormwater system.
- 15 Trash Can - The availability of trash cans helps to prevent trash and dog waste from mixing with stormwater. The trash cans are waterproof and do not let water in, or liquids out. The trash cans are maintained by CRPR.

HAY MARKET
PARK
STORMWATER
SCAVENGER
HUNT KEY MAP





MEMORANDUM

To: Centre Region MS4 Partners

From: Jere Northridge, P.E.

Date: August 21, 2022

Subject: MS4 Community Outreach Activity

On August 20, 2022, the MS4 Regional Partners participated in community stormwater outreach at the State College Spikes minor league baseball game. The Spring Creek Atlas and Stormy the Rain Cloud materials were made available to the community. Thank you to College Township Councilwoman Carla Stilson for her assistance.



Jere Northridge

From: Jere Northridge
Sent: Thursday, September 15, 2022 2:58 PM
To: W. Andrew Arnold; Jasmine Fields; Jolin, Aaron; Seybert, Ron; Olexa, Tracey Jeanette; Castrechini, Alexandra; Don Franson
Subject: MS4 Regional Meeting Notes - 9/22

Annual Reports are due September 30th

New Fertilizer Regulations – Awareness (Tracey to lead), Enforceability

Model Ordinance Update (Spring – Don)

Outreach & leads

- CDT / Collegian Ads – Tracey
- CRPRA – Aaron
- Rain Barrel – Alex
- Arts Fest – Jere & Tracey
- Watershed Cleanup Day – Clearwater
- School – as needed; Aaron – STEM program

PRP Project revision/replacement

Aaron / Alex to take the lead (read page 30)

Centre County Phase 3 WIP

Thank You,

Jere Northridge, P.E.

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