

**MS-4 2018 PERMIT YEAR 4 STATUS REPORT  
JULY 1, 2021 – JUNE 30, 2022  
PERMIT NO. PAI32270**

**POCONO TOWNSHIP  
MONROE COUNTY, PA**

Project No. 1630022

September 29, 2022

**Prepared For:**

Pocono Township  
112 Township Drive  
Tannersville, PA 18372

Prepared By:



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## ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD JULY 1, 2021 TO JUNE 30, 2022

GENERAL INFORMATION					
Permittee Name:	Pocono Township	NPDES Permit No.:	PAI132270		
Mailing Address:	112 Township Drive	Effective Date:	12/01/2018		
City, State, Zip:	Tannersville, PA 18372	Expiration Date:	11/30/2023		
MS4 Contact Person:	Taylor Munoz	Renewal Due Date:	3/4/2023		
Title:	Township Manager	Municipality:	Pocono Township		
Phone:	(570) 629-1922	County:	Monroe		
Email:	tmunoz@poconopa.gov				
Co-Permittees (if applicable):					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input checked="" type="checkbox"/> Appendix B <input type="checkbox"/> Appendix C <input type="checkbox"/> Appendix D <input checked="" type="checkbox"/> Appendix E <input type="checkbox"/> Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).					
Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
UNT to Broadhead Creek	HQ-CWF	Yes	Organic Enrichment/ Low D.O.; Suspended Solids	n/a	n/a
Brodhead Creek	HQ-CWF, TSF	Yes	Pathogens	n/a	n/a
McMichael Creek	HQ-CWF	Yes	Pathogens	n/a	n/a



### 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	Pocono Township	Taylor Munoz	570-629-1922
#2 Public Involvement/Participation	Pocono Township	Taylor Munoz	570-629-1922
#3 Illicit Discharge Detection and Elimination (IDD&E)	Pocono Township	Taylor Munoz	570-629-1922
#4 Construction Site Storm Water Runoff Control	Pocono Township	Taylor Munoz	570-629-1922
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Pocono Township	Taylor Munoz	570-629-1922
#6 Pollution Prevention / Good Housekeeping	Pocono Township	Taylor Munoz	570-629-1922

### 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

2. Date of latest annual review of PEOP: 06/30/2022 Were updates made? ☐ Yes ☒ No

3. What were the plans and goals for public education and outreach for the reporting period?

Pocono Township has included a Municipal Stormwater (MS4) link under Resources on the Township website.

Pocono Township will continue to provide municipal stormwater related material to the target audience through this designated tab.

b. Pocono Township will continue to provide copies of educational material related to Municipal Stormwater through the distribution methods listed below.

c. Proof of the Municipal Stormwater documents distributed through the methods listed below will be provided with each annual MS-4 report.

d. The above items shall be completed prior to June 30th of each year.

#### Target Audience

The target audience includes all residents, property owners, and business owners that have signed up for and/or have access to the Municipal Building lobby, the Township website and newsletter, and social media (Facebook and Savvy Citizen).

A target audience list consisting of commercial, institutional, and industrial properties has been prepared. This list will be updated annually.

#### Distribution Methods

- a. Pocono Township Website – [www.poconopa.gov](http://www.poconopa.gov)
- b. Pocono Township Municipal Building lobby  
112 Township Drive, Tannersville, PA 18372
- c. Pocono Township Newsletter (via email and website)
- d. Pocono Township Facebook
- e. Savvy Citizen

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:

- a. Pocono Township has included a Municipal Stormwater (MS4) link under Resources on the Township website. Pocono Township will continue to provide municipal stormwater related material to the target audience through this designated tab.
- b. Pocono Township will continue to provide copies of educational material related to Municipal Stormwater through the distribution methods listed below.
- c. Proof of the Municipal Stormwater documents distributed through the methods listed below will be provided with each annual MS-4 report.
- d. The above items shall be completed prior to June 30th of each year.

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112 Township Drive, Tannersville, PA 18372
- c. Pocono Township Newsletter (via email and website)
- d. Pocono Township Facebook

e. Savvy Citizen

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

- For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?  
☒ Yes ☐ No
- Date of latest annual review of target audience lists: 06/30/2022 Were updates made? ☒ Yes ☐ No

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

- For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?  
☒ Yes ☐ No
- Date of latest annual review of educational materials: 06/30/2022 Were updates made? ☒ Yes ☐ No
- Do you have a municipal website? ☒ Yes ☐ No  
(URL: <https://www.poconopa.gov/>)  
  
If Yes, what MS4-related material does it contain? Year 1 and Year 2 Status Reports, EPA Stormwater Phase II Final Rule, Protect Our Watershed-Summer Tips, Protect Our Watershed - 3 R's of Fall Yard Care, Protect Our Watershed-Winter Tips, Solutions to Stormwater Pollution, What Is MS-4?, When It Rains, It Drains, Clean Up After Your Pet
- Describe any other method(s) used during the reporting period to provide information on stormwater to the public: Facebook, Township website, and paper copies of material in the Municipal Building lobby.
- Identify specific plans for the publication of stormwater materials for the upcoming year:  
Continue to distribute stormwater related material to the target audience through the distribution methods listed under BMP #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).

Stormwater educational materials were distributed through three (3) outlets; the Township website, Facebook, and in the Municipal Building lobby.

**MCM #1 Comments:**

The PEOP will continue to be implemented.

**MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION**

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

- For new permittees only, was the PIPP developed and implemented within one year of permit coverage?  
☒ Yes ☐ No
- Date of latest annual review of PIPP: 6/30/2022 Were updates made? ☐ Yes ☒ No

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

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? ☐ Yes ☒ No
2. If Yes, describe how you advertised the draft document(s) and how you provided opportunities for public review, input and feedback:
3. If an ordinance, SOP or plan was developed or amended during the reporting period, provide the following information:

The Stormwater Management Ordinance was reviewed against the Model 2022 Ordinance, and revised. The amendment was adopted in September 2022 and will be addressed with the Year 5 Status Report.

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: 06/22/2022
2. Report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed and conservation organizations; and similar instances of participation or coordination with organizations in the community.  
  
The Township is a Stream Steward with the Brodhead Watershed Association.
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.  
  
Pick Up the Poconos Day (Fall) - 09/25/2021, advertised on Facebook.  
2021 Fall Cleanup - 10/01/2021 and 10/02/2021, advertised on Facebook and the Township website.  
2021 Spring Cleanup - 04/28/2022, 04/29/2022, and 04/30/2022, advertised on Facebook and the Township website.  
Pick Up the Poconos (Spring) - 04/23/2022, advertised on Facebook.

**MCM #2 Comments:**

The PIPP to continue to be implemented.

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

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

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

☒ Yes ☐ No

2. Date of latest annual review of IDD&E program: June 30, 2022

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): 9/5/17

3. Total No. of Outfalls in MS4: 0 Total No. of Outfalls Mapped: 0

4. Total No. of Observation Points: 66 Total No. of Observation Points Mapped: 66

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): 9/5/17

**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?

Sixty six (66) outfalls were screened during this permit period..

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

100% - all outfalls were screened in 2020 and again in 2022.

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 100% It should be noted that some outfalls discharge directly to a stream, and therefore cannot be observed during dry weather flow conditions.
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: 6/6/1982
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  
The Stormwater Management Ordinance was reviewed against the Model 2022 Ordinance, and revised. The amendment was adopted in September 2022 and will be addressed with the Year 5 Status Report.  
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

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? Illicit Discharge Detection & Elimination Plan - distributed to public employees during the training session  
Solutions to Stormwater Pollution - distributed to Target Audience through the Township website.
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:**

Fuel spills occurred on August 24, 2021 and September 1, 2021 during heavy rains from an old Pocono Mountain School District (PMSD) effluent discharge pipe. All parties acted quickly to resolve the issued by September 2, 2021.

The IDD&E will continue to be implemented.

**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 Provided with Year 2 status report.

If Yes, indicate the date of the ordinance or SOP: 11-21-2016

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

Provided with Year 1 Status Report

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

**BMP #4: Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.**

Specify the number of E&S Plans you reviewed during the reporting period:

**BMP #5: Conduct inspections regarding installation and maintenance of E&S control measures during earth disturbance activities. Maintain records of site inspections, including dates and inspection results, in accordance with the record retention requirements in this permit.**

Specify the number of E&S inspections you completed during the reporting period:

**BMP #6: Conduct enforcement when installation and maintenance of E&S control measures during earth disturbance activities does not comply with permit and/or regulatory requirements.**

Specify the number of enforcement actions you took during the reporting period for improper E&S:	
<b>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.</b>	
Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:	
<b>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.</b>	
1. A tracking system has been established for receipt of public inquiries and complaints. <input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Specify the number of inquiries and complaints received during the reporting period:	
<b>MCM #4 Comments:</b>	
The Stormwater Mangement Ordinance was reviewed and revised per the 2022 Model Ordinance. The amendment was adopted in September 2022 and will be addressed with the Year 5 Status Report.	



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

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

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs? ☒ Yes ☐ No

If Yes, indicate the date of the ordinance or SOP: 3/2/2009

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

Provided with Year 1 Status Report

1. 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:

The Stormwater Management Ordinance was reviewed and revised per the Model 2022 Ordinance. The amendment was adopted in September 2022 and will be addressed with the Year 5 Status Report.

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. No PCSM BMPs exist within the MS-4 area, however newly constructed BMPs located within the Township are provided in Table 1.

2. Has proper O&M occurred during the reporting period for all PCSM BMPs? ☒ Yes ☐ No  
PCSM BMPs were under construction during this reporting period.

3. If No to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.

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

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

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale): 4
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	BCRA Basin 1	1.13	Property Owner	41°04'00"	75°18'03"	6/2021	See attached.	PAD450093
2	BCRA Basin 2	0.32	Property Owner	41°04'00"	75°18'03"	6/2021	See attached.	PAD450093
3	BCRA Basin 3	0.90	Property Owner	41°04'00"	75°18'03"	6/2021	See attached.	PAD450093
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:**

The current Stormwater Management Ordinance addresses the requirements for design and sizing of proposed BMPs.

The Stormwater Management Ordinance was reviewed and revised per the Model 2022 Ordinance. The amendment was adopted in September 2022 and will be addressed with the Year 5 Status Report.

**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  
The township public works building and other facilities have been identified. Refer to the Pocono Township MS-4 Facilities Map, dated April 29, 2020, and the Existing Public Works Yard plan dated June 30, 2021.
2. When was the inventory last reviewed? 6/30/2022
3. When was it last updated? 6/30/2021

**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: N/A

**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: 6/9/2021	Date of latest training: 6/9/2021
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3. Training topics covered:

See attached.

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

See attached.

5. Names of training attendees:

See attached.

**MCM #6 Comments:**

Public works training will continue during the Year 5 reporting period and an operation and maintenance program will be discussed.

**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)	9/5/17	<input checked="" type="checkbox"/>	
Source Inventory	6/30/21	<input checked="" type="checkbox"/>	
Investigation of Suspected Sources		<input type="checkbox"/>	9/30/2023
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	9/30/2023

**PCM Comments:**

There have been no pollution in which the source inventory needed to be referenced.

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

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

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	06/20/18	11/20/18	Brodhead Creek
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

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

Joint Plan Participants:

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).			
Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	467		
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: 11/30/2023

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

6. Anticipated activities for next reporting period.

Investigation of potential sites for best management practices required to reduce the sediment load will be completed.

**PRP/TMDL Plan Comments:**

### NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

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

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed or Implemented	Planning Area?	Ch. 102?	Annual Sediment Load Reduction (lbs/yr)
						O 1 11	O 1 11		<input type="checkbox"/>	<input type="checkbox"/>	
						O 1 11	O 1 11		<input type="checkbox"/>	<input type="checkbox"/>	
						O 1 11	O 1 11		<input type="checkbox"/>	<input type="checkbox"/>	
						O 1 11	O 1 11		<input type="checkbox"/>	<input type="checkbox"/>	
						O 1 11	O 1 11		<input type="checkbox"/>	<input type="checkbox"/>	

### BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

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

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspection	Satisfactory?
						O 1 11	O 1 11				<input type="checkbox"/>
						O 1 11	O 1 11				<input type="checkbox"/>
						O 1 11	O 1 11				<input type="checkbox"/>
						O 1 11	O 1 11				<input type="checkbox"/>
						O 1 11	O 1 11				<input type="checkbox"/>
						O 1 11	O 1 11				<input type="checkbox"/>



## CERTIFICATION

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

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

Taylor Munoz

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

(570) 629-1922

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

  
\_\_\_\_\_  
Signature

9-27-2022

\_\_\_\_\_  
Date

## Minimum Control Measure #1

### Public Education and Outreach on Stormwater Impacts

**Minimum Control Measure #1**  
**Public Education and Outreach on Stormwater Impacts**

Pocono Township  
1630022  
June 30, 2022

Communication Channels

1. Pocono Township has included a Municipal Stormwater (MS4) link under Resources on the Township website. Pocono Township will continue to provide municipal stormwater related material to the target audience through this designated tab.
2. Pocono Township will continue to provide copies of educational material related to Municipal Stormwater through the distribution methods listed below.
3. Proof of the Municipal Stormwater documents distributed through the methods listed below will be provided with each annual MS-4 report.
4. The above items shall be completed prior to June 30<sup>th</sup> of each year.

Target Audience

The target audience includes all residents, property owners, and business owners that have signed up for and/or have access to the Municipal Building lobby, the Township website and newsletter, and social media (Facebook and Savvy Citizen).

A target audience list consisting of commercial, institutional, and industrial properties has been prepared should they need to be notified for any reason under the Township's MS-4. This list will be updated annually.

Distribution Methods

1. Pocono Township Website – [www.poconopa.gov](http://www.poconopa.gov)
2. Pocono Township Municipal Building lobby  
112 Township Drive, Tannersville, PA 18372
3. Pocono Township Newsletter (via email and website)
4. Pocono Township Facebook
5. Savvy Citizen

<b>Minimum Control Measure #1</b>		Pocono Township
Target Audience List		1630022 July 20, 2022
<b>Property Owner Name</b>	<b>Address</b>	<b>Parcel ID</b>
THE POKORNY FAMILY PA, LLC	3452 ROUTE 611 BARTONSVILLE PA 18321	12.9.1.68-1
ERTLE DEVELOPMENT, LLC	3453 ROUTE 611 STROUDSBURG PA 18360	12.9.1.73
LUKOV & ASSOCIATES, LP	3418 ROUTE 611 HUNTINGDON VALLEY PA 19006	12.9.1.68-2
LUKOV & ASSOCIATES, LP	3414 ROUTE 611 HUNTINGDON VALLEY PA 19006	12.9.1.68
P P & M REALTY, LLC	3406 ROUTE 611 WILKES BARRE PA 18702	12.9.1.65
P P & M REALTY, LLC	3396 ROUTE 611 WILKES BARRE PA 18702	12.9.1.64
BUCK, E FRANK JR	3390 ROUTE 611 GETTYSBURG PA 17325	12.9.1.80
BUCK, E FRANK JR	I 80 GETTYSBURG PA 17325	12.9.1.79
BUCK, E FRANK JR	1328 GOLDEN SLIPPER RD GETTYSBURG PA 17325	12.9.1.62-4
BUCK, E FRANK JR	LR 45094 GETTYSBURG PA 17325	12.9.1.62-2
POSSINGER, RACHEL, ETAL	1294 GOLDEN SLIPPER RD PHOENIXVILLE PA 19460	12.9B.1.32
COLONIAL USED AUTO SALES, INC	1331 GOLDEN SLIPPER RD BARTONSVILLE PA 18321	12.9.1.62
BURKHART, GARY	3366 ROUTE 611 STROUDSBURG PA 18360	12.9B.1.12
BURKHART, GARY	GLENVIEW DR STROUDSBURG PA 18360	12.9B.1.27
STONE, DONALD ETAL MCIDA	506 RIDGEVIEW DR BARTONSVILLE PA 18321	12.9B.1.24
KATZ, GREGORY J	3298 ROUTE 611 STROUDSBURG PA 18360	12.9B.1.2
BERARDI, MICHAEL	3292 ROUTE 611 EAST STROUDSBURG PA 18301	12.9.1.37
AMIRE, LLC	3288 ROUTE 611 STROUDSBURG PA 18360	12.9.1.36
GENESIS INTERNATIONAL REALTY, LLC	3180 ROUTE 611 SELINESGROVE PA 17870	12.9.1.20-1
GENESIS INTERNATIONAL REALTY, LLC	3180 ROUTE 611 SELINESGROVE PA 17870	12.9.1.20
GENESIS ENTERPRISES UNLIMITED, LLC	3160 ROUTE 611 BARTONSVILLE PA 18321	12.9.1.18
TS REALTY, INC	250 STADDEN RD HENRYVILLE PA 18332	12.7.1.29-1
FOCA, JOHN A	245 STADDEN RD STROUDSBURG PA 18360	12.7.1.30-8
JM 121 REALTY HOLDINGS, LLC	3054 ROUTE 611 CHELTENHAM PA 19012	12.7.1.30-3

HOMES OF THE POCONOS, LLC	3006 ROUTE 611 E STROUDSBURG PA 18302	12.8.2.72
APP REALTY, LLC	2990 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.75
SARAJIAN, RONALD G	2972 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.71-1
SARAJIAN, RONALD & JENNETTE	2968 ROUTE 611 HENRYVILLE PA 18332	12.8.2.70
POCONO COVE HOLDINGS, LLC	2964 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.69
CAGA GROUP, LLC	2954 ROUTE 611 BEVERLY NJ 08010	12.8.2.67
SALERNO PROPERTIES, LLC	2942 ROUTE 611 SCIOTA PA 18354	12.8.2.65
COLD RIVER PROPERTIES, LLC	2936 ROUTE 611 SCIOTA PA 18354	12.8.2.64
PANNEKKAL, SOMAN	2926 ROUTE 611 BROOKLYN NY 11232	12.8.2.63-1
FAIRBANKS, JONATHAN	2924 ROUTE 611 TOBYHANNA PA 18466	12.8.2.63
611 PROPERTY HOLDINGS, LP	2918 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.62
M&M Y W, LLC	2912 ROUTE 611 LONG POND PA 18334	12.8.2.61
JAY KRISNA CORPORATION	105 ALGER AVE TANNERSVILLE PA 18372	12.8.2.60
FERRARO, JAMES V	2894 ROUTE 611 STROUDSBURG PA 18360	12.8.2.46
ST LUKE'S EMERGENCY & TRANSPORT	2886 ROUTE 611 BETHLEHEM PA 18015	12.8.2.45
ST LUKE'S EMERGENCY & TRANSPORT	2884 ROUTE 611 BETHLEHEM PA 18015	12.8.2.44
ROSS, L PATRICK	ALGER AVE TANNERSVILLE PA 18372	12.8.2.49-1
POCONO TOWNSHIP	N OF NO NAME TANNERSVILLE PA 18372	12.8.2.48-1
TOWNSHIP OF POCONO	114 TOWNSHIP DR TANNERSVILLE PA 18372	12.8.2.42-2
POCONO TWP VOLUNTEER FIRE CO	114 MUNICIPAL LN TANNERSVILLE PA 18372	12.8.2.42
ARC PA-QRS TRUST	2856 ROUTE 611 CHICAGO IL 60601	12.8.2.40
TANNERSVILLE REALTY COMPANY, LP	2836 ROUTE 611 PITTSTON PA 18640	12.8.2.18
BELL TELEPHONE CO OF PA	2832 ROUTE 611 PHILADELPHIA PA 19102	12.8.2.18-7

WERKHEISER, LINFORD A & PAULINE	2820 ROUTE 611 CRESCO PA 18326	12.8.2.17
HELLER, DONALD	2818 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.16
BOGUTSKIY, YURIY	2808 ROUTE 611 SEA CLIFF NY 11579	12.8.2.15
GANTZHORN, JANICE L	2804 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.14
SIEGFRIED, DONALD D II & YVONNE	2800 ROUTE 611 SAYLORSBURG PA 18353	12.8.2.13
SMITH, STANLEY S JR & SUSAN J	2798 ROUTE 611 NAZARETH PA 18064	12.8.2.12
WERT, JEFFREY R	2796 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.11
GLENWOOD HALL APARTMENTS, LLC	103 KENNYS WAY LODI NJ 07644	12.8.2.10
NASEER AND SONS, INC	2756 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.8
PERCUDANI FAMILY LIMITED PARTNERSHIP	2748 ROUTE 611 STROUDSBURG PA 18360	12.8.2.4
CILEA, JOSEPH C	2740 ROUTE 611 MARLBORO NJ 07746	12.8.2.3
TURNING WHEEL ENTERPRISES, LLC	2736 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.2
EJD PROPERTIES, LLC	2734 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.1
KOTRETSOS, VASILIOS	2726 ROUTE 611 BARTONSVILLE PA 18321	12.7.1.7-1
ALLEN, KEVIN D, ETUX	2716 ROUTE 611 EAST STROUDSBURG PA 18301	12.7.1.7
CHELSEA POCONO FINANCE, LLC	1000 PREMIUM OUTLETS DR INDIANAPOLIS IN 46206	12.7.1.18-3
CHELSEA POCONO FINANCE, LLC	1000 PREMIUM OUTLETS DR INDIANAPOLIS IN 46206	12.113656
CHELSEA POCONO HOLDINGS, LLC	RT 611 INDIANAPOLIS IN 46206	12.93648
CHELSEA POCONO FINANCE, LLC	RT 611 INDIANAPOLIS IN 46206	12.7.1.11
CHELSEA POCONO FINANCE, LLC	RT 611 INDIANAPOLIS IN 46206	12.7.1.12
CHELSEA POCONO FINANCE, LLC	RT 611 INDIANAPOLIS IN 46206	12.7.1.13
CHELSEA POCONO FINANCE, LLC	RT 611 INDIANAPOLIS IN 46206	12.7.1.14
CHELSEA POCONO FINANCE, LLC	RT 611 INDIANAPOLIS IN 46206	12.92286
PSITOS, CONSTANTINE N & JOHN N	2576 ROUTE 611 SCOTRUN PA 18355	12.7.1.17-1
PSITOS, CONSTANTINE N & JOHN N	NE OF I 80 SCOTRUN PA 18355	12.7.1.17
GREAT WOLF LODGE OF THE POCONO	1 GREAT LODGE WAY DALLES TX 75354	12.10.1.14-1

WISE, JENNIFER ANN	390 SCOTRUN AVE SCOTRUN PA 18355	12.6.1.34
WISE, DANIEL R & PHYLLIS Y, ETAL	2398 ROUTE 611 SCOTRUN PA 18355	12.116473
WISE, DANIEL R & PHYLLIS Y, ETAL	2382 ROUTE 611 SCOTRUN PA 18355	12.6.1.27
MELBER, LAURA J & JAMES H JR	408 SCOTRUN AVE ALBRIGHTSVILLE PA 18210	12.6.1.27-1
RADU, ELIZABETH	437 SCOTRUN AVE SCOTRUN PA 18355	12.6.1.20-1
RADU, ELIZABETH	2672 BROOKDALE RD SCOTRUN PA 18355	12.6.1.18
KAIVAL KRUPA, LLC	3401 ROUTE 611 BARTONSVILLE PA 18321	12.9.1.61
BARTONSVILLE J, LLC	3361 ROUTE 611 NORTHAMPTON PA 18067	12.9.2.3
A & G QUALITY, LLC	3355 ROUTE 611 MALVERN PA 19355	12.9.2.18
3305 BARTONSVILLE, LLC	3305 ROUTE 611 STROUDSBURG PA 18360	12.9.1.39
POCONO TOWNSHIP	2995 BARTONSVILLE AVE TANNERSVILLE PA 18372	12.9.1.36-1
RANSHA ASSOCIATES, LP	3259 ROUTE 611 EASTON PA 18040	12.9.1.35
LICZNERSKI, LUCAS A & JAMIE	3121 ROUTE 611 TANNERSVILLE PA 18372	12.9.1.15
FISK, ROBERT	3115 ROUTE 611 HENRYVILLE PA 18332	12.9.1.14
RONCO & COMPANY, LLC	3101 ROUTE 611 TANNERSVILLE PA 18372	12.9.1.13
IACOBACCI, KRISTINA MARIE	104 LEARN RD TANNERSVILLE PA 18372	12.7.1.29-2
FELINS, ROBERT J.	108 LEARN RD TANNERSVILLE PA 18372	12.7.1.29
SIMPSON, DONALD C	116 LEARN RD TANNERSVILLE PA 18372	12.119034
BRODHEADSVILLE STORAGE, LP	128 LEARN RD BANGOR PA 18013	12.7.1.30-4
MCGRAW, RYAN & AMY	115 LEARN RD TANNERSVILLE PA 18372	12.7.1.29-3
CTS PROPERTIES	3055 ROUTE 611 CATASAUQUA PA 18032	12.7.1.30-5
T L REALTY CORP	RTE 611 EFFORT PA 18330	12.7.1.30-2
T L REALTY CORP	163 LEARN RD EFFORT PA 18330	12.8.1.64
TL REALTY CORP	3013 ROUTE 611 EFFORT PA 18330	12.8.1.62
3 TWINS REALTY PARTNERS, LP	3005 ROUTE 611 BANGOR PA 18013	12.8.1.61
611 MANAGEMENT CORP	2989 ROUTE 611 HENRYVILLE PA 18332	12.8.1.60

TANNERSVILLE INN, INC	197 LEARN RD TANNERSVILLE PA 18372	12.8.1.59
TANNERSVILLE INN, INC	2977 ROUTE 611 TANNERSVILLE PA 18372	12.8.1.58
PUGLIESI, MICHAEL T.	2969 ROUTE 611 STROUDSBURG PA 18360	12.8.1.54
FIDELITY PROPERTIES AND TRUST 2, LLC	2959 ROUTE 611 TANNERSVILLE PA 18372	12.8.1.52
NJPA INVESTMENTS, LLC	2951 ROUTE 611 UPPER MONTCLAIR NJ 07043	12.8.1.46
L&T BUSINESS ENTERPRISES, LLC	2945 ROUTE 611 TANNERSVILLE PA 18372	12.8.1.45
MERCHANTS PLAZA ASSOCIATES, LP	2937 ROUTE 611 HARLEYSVILLE PA 19438	12.8.1.41
TDQ LAND EQUITIES, LLC	267 LEARN RD MARSHALLS CREEK PA 18335	12.8.1.40
OM SHRIM, INC	2909 ROUTE 611 TANNERSVILLE PA 18372	12.8.1.37
ROSSI, JOEL D & DEBRA A	283 LEARN RD TANNERSVILLE PA 18372	12.8.1.38
ROSSI, JOEL D	2903 ROUTE 611 BUCK HILL FALLS PA 18323	12.8.1.36
HEILMAN REAL EST TRT ETAL CO-TRUSTEES	2889 ROUTE 611 ROTONDA WEST FL 33947	12.8.1.35-3
NICHOLAS, JAMES B & JEANNE R	2885 ROUTE 611 CLARKS SUMMIT PA 18411	12.8.1.35-2
COMMUNITY BANK & TRUST CO	2871 ROUTE 611 HERMITAGE PA 16148	12.8.1.32
DIELE, JOHN	2865 ROUTE 611 BROOKLYN NY 11234	12.8.1.31
SEITZ BROTHERS PROPERTY	2857 ROUTE 611 TAMAQUA PA 18252	12.8.1.30
LAMANTIA PROPERTIES, LLC	114 PIGEON WAY TANNERSVILLE PA 18372	12.8.1.29
611 MANAGEMENT CORP	118 PIGEON WAY HENRYVILLE PA 18332	12.8.1.28
KINSLEY DORIS M TRUSTEE OF	2823 ROUTE 611 STROUDSBURG PA 18360	12.8.1.21
STARNER, KENNETH LOWELL & LINDA	2819 ROUTE 611 SAYLORSBURG PA 18353	12.8.1.20
AMALGAMATED MEGA PROPERTIES	2813 ROUTE 611 TANNERSVILLE PA 18372	12.8.1.19
STARNER, KENNETH LOWELL & LINDA	2807 ROUTE 611 SAYLORSBURG PA 18353	12.8.1.18
CORVI, RICHARD	2803 ROUTE 611 BRIDGEWATER NJ 08807	12.8.1.17
VO, HUONG	2799 ROUTE 611 TANNERSVILLE PA 18372	12.8.1.16
PERCUDANI, GENE P & KATHY	2797 ROUTE 611 STROUDSBURG PA 18360	12.8.1.15



WEN-TANN PARTNERS, LLC	2789 ROUTE 611 STROUDSBURG PA 18360	12.8.1.13
SCOTRUN 611 PLAZA, LLC	2541 ROUTE 611 STROUDSBURG PA 18360	12.6.1.66
SBN 11, LLC	2531 ROUTE 611 NEW YORK NY 10012	12.6.1.66-3
CONWELL, BRIAN E.	2527 ROUTE 611 STROUDSBURG PA 18360	12.6.1.66-1
SKK RENTALS, INC	2509 ROUTE 611 TANNERSVILLE PA 18372	12.6.1.65
SCOTRUN STAR LIMITED LIABILITY COMPANY	2497 ROUTE 611 HENRYVILLE PA 18332	12.6.1.70-3
BATTLE, ERIK	2477 ROUTE 611 STROUDSBURG PA 18360	12.6.1.70-5
DEHAVEN, TRACY DEAN	2411 ROUTE 611 SCOTRUN PA 18355	12.6.1.77
MHC SCOTRUN LIMITED PARTNERSHIP	2409 ROUTE 611 CHICAGO IL 60606	12.6.1.78
MHC SCOTRUN LIMITED PARTNERSHIP	224 ERMINE WAY CHICAGO IL 60606	12.6.1.31-1
MACY-MEIER, ATHENA L	2385 ROUTE 611 LAKE HARMONY PA 18624	12.6.1.26
VULTAGGIO, MARK	RT 611 SWIFTWATER PA 18370	12.6A.2.87
PANGEA HOTEL GROUP	2343 ROUTE 611 STROUDSBURG PA 18360	12.6A.2.2
DS & BH HOLDINGS II, LLC	107 ROSE ST MOUNT POCONO PA 18344	12.94228
P CAREY REAL ESTATE, LLC	125 ROSE ST E STROUDSBURG PA 18302	12.119167
B&B REAL ESTATE GENERAL PARTNERSHIP	117 ROSE ST SCOTRUN PA 18355	12.6.1.17-1
LEISURE LAKE AT POCONOS, INC	1157 WISCASSET DR NORTH CALDWELL NJ 07006	12.11.1.43
PIPOLO, PETER	2190 ROUTE 611 CRESCO PA 18326	12.11.3.2
THE COMMONWEALTH OF PENNSYLVAN	2174 ROUTE 611 HARRISBURG PA 17125	12.11.1.25-2
JOHNSON, JEREMY T.	2146 ROUTE 611 SWIFTWATER PA 18370	12.11.1.18
RUNNING LANE, LLC	2092 ROUTE 611 TOBYHANNA PA 18466	12.11.1.10
POCONO COMMUNITY BANK	2070 ROUTE 611 BERWICK PA 18603	12.11.1.9
TRAP ENTERPRISES, LLC	2042 ROUTE 611 TANNERSVILLE PA 18372	12.11.1.8-3
THE SPIRIT OF SWIFTWATER, INC	1940 ROUTE 611 MOUNT POCONO PA 18344	12.12.2.8
SCHLIER, JIMMY A	1904 ROUTE 611 TANNERSVILLE PA 18372	12.12.2.7
SCHLIER , JIMMY A.	842 PA RT 611 TANNERSVILLE PA 18372	12.12.2.6

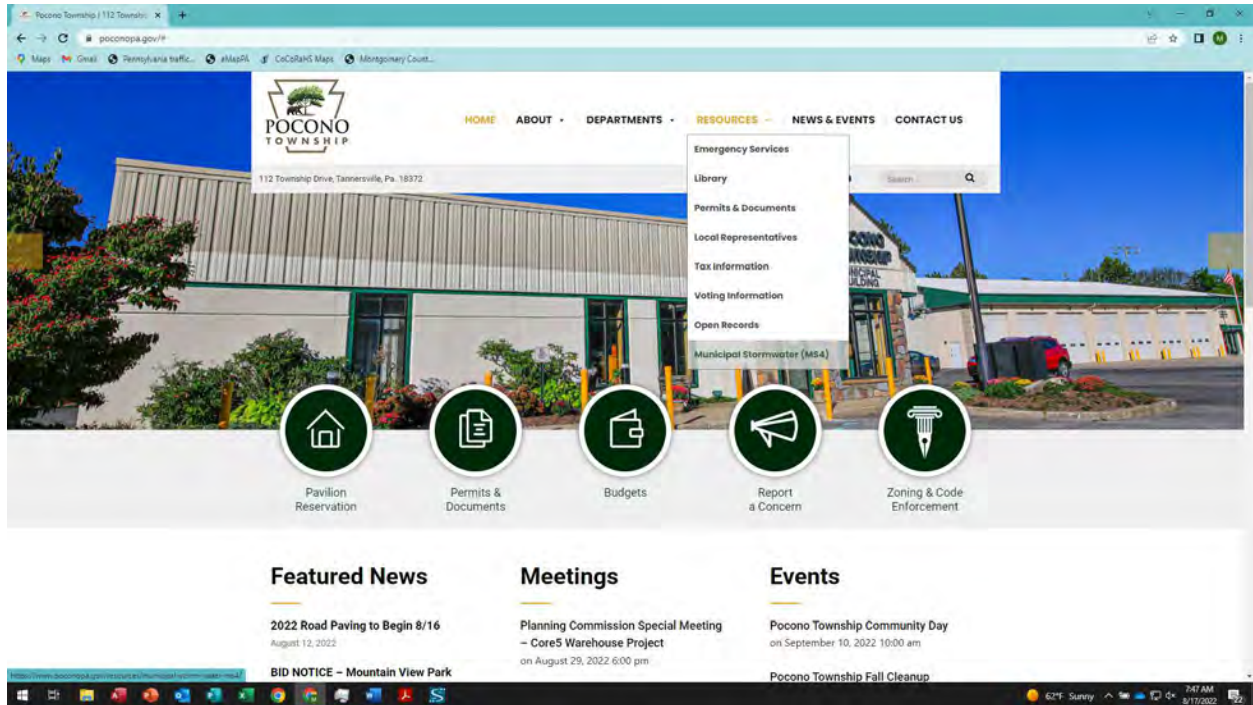
AMBER DAEPK, LLC	1874 ROUTE 611 SWIFTWATER PA 18370	12.12.2.5
AVK PROPERTIES, LLC	1814 ROUTE 611 DELAWARE WATER GAP PA 18327	12.117492
KSD HOSPITALITY, LLC	1802 ROUTE 611 CLARKS SUMMIT PA 18411	12.12.2.43-1
POCONOS HOSPITALITY, LLC	113 ENFORCER LN NEW CUMBERLAND PA 17070	12.113048
FURINO, SALVATORE, JR	116 MCTA DR SWIFTWATER PA 18370	12.11.1.22-2
MONROE CO TRANSPORTATION AUTH	134 MCTA DR SCOTRUN PA 18355	12.111383
RGRGJVG, LLC	2197 ROUTE 611 EAST STROUDSBURG PA 18301	12.11.1.23
GATEWAY EQUITIES, LLC	2185 ROUTE 611 EFFORT PA 18330	12.11.1.21
GATEWAY EQUITIES, LLC	RT 611 EFFORT PA 18330	12.11.1.24
SWIFTWATER REALTY, LLC	2169 ROUTE 611 TOTOWA NJ 07512	12.11.1.20
SWIFTWATER REALTY, LLC	3111 WISCASSET DR TOTOWA NJ 07512	12.11.1.19-1
MILLER, ROBERT R, ETAL	2113 ROUTE 611 SCOTRUN PA 18355	12.11.1.17-1
2055 REALTY, LLC	2055 ROUTE 611 LINCOLN MA 01773	12.11.1.8
SANOFI PASTEUR, INC	110 LAUREL DR SWIFTWATER PA 18370	12.12.2.10-2
KAUR REALTY, LLC	1933 ROUTE 611 SWIFTWATER PA 18370	12.12.2.22
JCP VENTURES, LLC	1819 ROUTE 611 TANNERSVILLE PA 18372	11.7.1.79
OLD DOMINION FREIGHT LINE, INC	LR 43760 THOMASVILLE NC 27360	12.10.1.42-2
OLD DOMINION FREIGHT LINE, INC	2382 ROUTE 715 THOMASVILLE NC 27360	12.10.1.42-1
P P & L CO	2428 ROUTE 715 ALLENTOWN PA 18101	12.10.1.41
FARDA REALTY ASSOCIATES, LP	2554 ROUTE 715 TANNERSVILLE PA 18372	12.7.1.25-5
NORTHAMPTON CO AREA COMMUNITY	205 OLD MILL RD BETHLEHEM PA 18017	12.8.2.32
NORTHAMPTON COUNTY AREA	T 537 OLDE MILL RD BETHLEHEM PA 18020	12.8.2.31
NORTHAMPTON CO AREA COMMUNITY	I 80 BETHLEHEM PA 18017	12.7.1.25-4
NASEER AND SONS, INC	2756 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.8
NAB REAL ESTATE LIMITED LIABILITY	2369 ROUTE 715 SCOTRUN PA 18355	12.10.1.43
MARSHALL AND COMPANY HOLDINGS, LLC	2395 ROUTE 715 HONESDALE PA 18431	12.10.1.42

NORTHAMPTON COUNTY AREA COMMUNITY COLLEGE	2411 ROUTE 715 BETHLEHEM PA 18020	12.92116
SCHLIER, JIMMY A	110 HILL MOTOR LODGE RD TANNERSVILLE PA 18372	12.8.2.23
RACEWAY HOLDINGS, LLC	2623 ROUTE 715 SCRANTON PA 18508	12.8.2.18-8
PREMIER LODGE, INC	2647 ROUTE 715 TANNERSVILLE PA 18372	12.8.2.18-6
GRACE UNITED CHURCH	2008 SULLIVAN TRL TANNERSVILLE PA 18372	12.8.2.5
BROOKDALE ENTERPRISES LLC	2455 BACK MOUNTAIN RD SCOTRUN PA 18355	12.11.1.32
CARRIAGE HOUSE COUNTRY CLUB INC	390 MANOR DR POCONO MANOR PA 18349	12.13.1.1-1
POCONO MANOR INVESTORS LP	PA RT 154 POCONO MANOR PA 18349	12.13.1.1
SANOFI PASTEUR INC	216 LOWER SWIFTWATER RD SWIFTWATER PA 18370	12.5.2.3
THE BLUE CAMEL LP	1937 SULLIVAN TRL POCONO SUMMIT PA 18346	12.7.1.18-1
SCHLIER JIMMY A	1935 SULLIVAN TRL TANNERSVILLE PA 18372	12.7.1.18
HAYVO LLC	1832 SULLIVAN TRL TANNERSVILLE PA 18372	12.10.1.21
REILLY JOHN E	1824 SULLIVAN TRL BETHLEHEM PA 18017	12.11687
REILLY JOHN	1818 SULLIVAN TRL BETHLEHEM PA 18017	12.10.1.16-14
BARLEY CREEK ASSOCIATES LP	1774 SULLIVAN TRL TANNERSVILLE PA 18372	12.10.1.23
BARLEY CREEK ASSOCIATES LP	LR 45024 SPUR E TANNERSVILLE PA 18372	12.10.1.24
BARLEY CREEK HOSPITALITY LLC	103 CAMELBACK RD TANNERSVILLE PA 18372	12.10.1.23-1
MARTINELL ENTERPRISES INC	145 CAMELBACK RD TANNERSVILLE PA 18372	12.10A.2.3
CARON GEORGE H	141 CAMELBACK RD TANNERSVILLE PA 18372	12.10A.2.2
EPT SKI PROPERTIES INC	193 RESORT DR KANSAS CITY MO 64106	12.10.1.2-6
PENNA STATE GAME LAND	NORTH OF T 601 HARRISBURG PA 17120	12.10.1.36
EPT SKI PROPERTIES INC	529 CAMELBACK RD KANSAS CITY MO 64106	12.10.1.1-1
EPT SKI PROPERTIES INC	246 RESORT DR KANSAS CITY MO 64106	12.10.1.1
503 CAMELBACK ROAD LLC	503 CAMELBACK RD TANNERSVILLE PA 18372	12.10B.2.2
CAMELBACK RESORTS LLC	CAMELBACK RESORTS LLC MORGANVILLE NJ 07751	12.10.1.1-5
NORTHRIDGE AT CAMELBACK	SPRUCE DR TANNERSVILLE PA 18372	8.92217

CAMELBACK FOUR SEASONS HOMES LP	UPPER DEE VALLEY RD KING OF PRUSSIA PA 19406	12.110039
WOJTANOWICZ WESLEY & STACEY	585 RAILROAD DR STROUDSBURG PA 18360	12.10.1.37-1
POCONO MOUNTAIN SCHOOL DIST	161 TUMBLEWEED DR SWIFTWATER PA 18370	12.10.1.41-1
ABRAMS KEITH A & PAMELA J	239 WARNER RD TANNERSVILLE PA 18372	12.7.1.26-2
BELANGER DOUGLAS DANIEL	316 WARNER RD EAST STROUDSBURG PA 18301	12.117673
APP REALTY LLC	2990 ROUTE 611 TANNERSVILLE PA 18372	12.8.2.75
MOST REV JOSEPH C BAMBERA	CHERRY LN RD TANNERSVILLE PA 18372	12.94140.1C
MONROE COUNTY AREA	195 LAUREL LAKE RD BARTONSVILLE PA 18321	12.9.1.28
TROUTMAN DAVID M & LOUISE W	431 CHERRY LANE RD CRESCO PA 18326	12.113683
FURINO SALVATORE	598 FISH HILL RD EAST STROUDSBURG PA 18301	12.3.1.33-1
CHERRY LANE CHURCH	4326 CHERRY LANE CHURCH RD TANNERSVILLE PA 18372	12.3.1.8
CHERRY LANE UNITED METHODIST	CHERRY LN CHURCH RD/T 535 TANNERSVILLE PA 18372	12.9312
BEAR CARL W	1103 CHERRY LANE RD EAST STROUDSBURG PA 18301	12.4.1.41
SILVER FREDERICK H	1057 CHERRY LANE RD MOUNT BETHEL PA 18343	12.4.1.39
POCONO MOUNTAIN RECOVERY CENTER LLC	3453 ROUTE 715 HENRYVILLE PA 18332	12.4.1.9
HEINZEE LLC	2282 ROUTE 314 LONG POND PA 18334	12.4.1.19-2
STARNER JUDY	1079 SULLIVAN TR TANNERSVILLE PA 18372	12.16.1.3
REILLY JOHN E	1824 SULLIVAN TRL BETHLEHEM PA 18017	12.11687
OSTER BRIAN J	371 HALLET RD EAST STROUDSBURG PA 18301	12.3.1.55
POCONO HIGHLAND COMMUNITY	123 SUNLIGHT DR HENRYVILLE PA 18332	12.5B.2.2
GRAEBER RICHARD & GLORIA J	282 SHINE HILL RD HENRYVILLE PA 18332	12.6.2.33
GRAEBER RICHARD F	261 SHINE HILL RD HENRYVILLE PA 18332	12.92758
PENNY-WISE LAND CO INC	219 SHINE HILL RD HENRYVILLE PA 18332	12.6.2.37
SHINE HILL PROPERTIES LLC	181 SHINE HILL RD POCONO LAKE PA 18347	12.6.1.73
LINDENMERE SPORTS ARTS CENTER LLC	163 LINDENMERE LN HENRYVILLE PA 18332	12.6.2.56

COOK DAVID J	3150 ROUTE 715 CRESCO PA 18326	12.3.1.23
CARBONARA STEPHEN P	4135 CHERRY LANE CHURCH RD HENRYVILLE PA 18332	12.3.1.22
CARBONARA STEPHEN P TRUSTEE OF THE	3265 ROUTE 715 HENRYVILLE PA 18332	12.4.1.23-3
CARBONARA STEPHEN P TRUSTEE	3245 ROUTE 715 HENRYVILLE PA 18332	12.92645
TIMBER TRAILS LLC	3371 ROUTE 715 HENRYVILLE PA 18332	12.4.1.16-4
MOCARSKI JOSEPH & CARMEN	3424 ROUTE 715 BLAKESLEE PA 18610	12.4.1.31
C DAVIS ENTERPRISES LLC	120 SANS DR CRESCO PA 18326	12.6.2.41

<b>Minimum Control Measure #1</b>				Pocono Township
Public Education and Outreach on Stormwater Impacts				1630022
				June 30, 2022
<b>Document</b>	<b>Website</b>	<b>Newsletter</b>	<b>Facebook</b>	<b>Municipal Building</b>
MS-4 Status Report, Year 1: December 1, 2018 to June 30, 2019	x			
MS-4 Status Report, Year 2, July 1, 2019 to June 30, 2020	x			
MS-4 Status Report, Year 3, July 1, 2020 to June 30, 2021	x			
EPA Stormwater Phase II Final Rule	x			
Protect Our Watershed, Summer Tips	x			
Protect Our Watershed, 3 R's of Fall Yard Care	x			
Protect Our Watershed, Winter Tips	x			
Solutions to Stormwater Pollution	x			
What is MS-4?	x			
What it Rains, It Drains	x			
Clean Up After Your Pet	x			



# WHAT IS MS-4?

MS-4 is short for *Municipal Separate Storm Sewer System*

A separate storm sewer system is a collection of structures, including retention basins, ditches, roadside inlets and underground pipes, designed to gather stormwater from built-up areas and discharge it, without treatment, into local streams. It's called a separate system because it is not connected to the sanitary sewer system which drains wastewater from inside a home to a sewage treatment facility or private septic system.

Many rural developments have stormwater management structures, not only communities that the United States Census Bureau classifies as *Urbanized Areas* based on population density, are required to become part of the MS-4 program. Urbanized Areas contain plenty of commercial and residential development which produce large amounts of stormwater runoff. Large institutions, like college campuses and hospital complexes, are also part of the MS-4 program because they also contain the type of dense development that produces concentrated stormwater flows. Finally, PennDOT and the Pennsylvania Turnpike Commission are in the MS-4 program because of the many separate storm sewer systems they maintain along roads and highways.

Pennsylvania's first two MS-4's were Pittsburgh and Philadelphia which have been in the program since the 1990's. The state's remaining MS-4's, around 950 in 2018, started getting enrolled in the early 2000's. The program is managed by the Pennsylvania Department of Environmental Protection (PADEP), which fulfills this role to comply with federal mandates under the Clean Water Act. The Environmental Protection Agency (EPA) has an oversight role because they are the federal agency charged with implementing the Clean Water Act.

The authorization that MS-4 communities get from PADEP to legal discharge stormwater into local streams is called an *NPDES* permit which stands for National Pollution Discharge Elimination system. These particular NPDES permits are also commonly called, *MS-4 Permits*. To meet the terms of the NPDES Permit, the Township needs to develop what is called a *Stormwater Management Program* (SWMP). Communities that discharge into any water that PADEP identifies as *impaired* are also required to develop a *Pollutant Reduction Plan* (PRP).

Because every MS-4 faces unique stormwater challenges each management plan is unique. But every SWMP includes the same six focus areas that the EPA considers essential for success. These areas are called *Minimum Control Measures* (MCM) and include the following:

MCM #1 – Public Education and Outreach

MCM #2 – Public Participation and Involvement

MCM #3 – Illicit Discharge Detection and Elimination

MCM #4 – Construction Site Erosion Control

MCM #5 – Post Construction Stormwater Management

MCM #6 – Pollution Prevention and Good Housekeeping



# PROTECT OUR WATERSHED

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## SUMMER TIPS

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### MEASURE



Always follow directions to use proper amounts of fertilizer and herbicides. Too much can wash off your property into storm drains and harm aquatic life.

### REUSE



Keep grass at least 3" to promote healthy root growth. Dispose of clippings in a compost pile or yard waste bag so they do not wash into storm drains and then our streams. Clippings also make great natural mulch.

### CARE



Have a spill kit handy to immediately clean up any spills in your driveway like gas or oil leaks. Report any major spills to the Township.

### CONSERVE



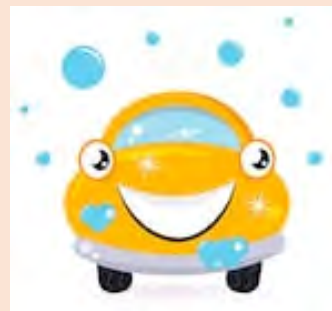
Watch your watering! Lawns only need about 1" of rain per week. Overwatering can result in runoff, which can carry fertilizers and herbicides along with it. Avoid watering during mid-day.

### CLEANUP



Get involved in a local stream or neighborhood cleanup.

### WASH



Wash cars at commercial car washes, where wash water is connected to sanitary sewers and treated. At home, wash your car on the grass, not the driveway, so that soapy water doesn't wash into storm drains.

# CLEAN UP AFTER YOUR PET

Pet waste contains bacteria, parasites, and nutrients that contaminate our streams.

Clean up after your pets. Bag your pet's waste and throw it in the trash.



# SOLUTIONS TO STORMWATER POLLUTION

## PROPERLY USE AND DISPOSE OF HAZARDOUS PRODUCTS

- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.



- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.



- If you have hazardous products in your home or workplace, make sure you store or dispose of them properly. Read the label for guidance.

- Use natural or less toxic alternatives when possible.

- Recycle used motor oil.
- Contact your municipality, county or facility management office for the locations of hazardous-waste disposal facilities.

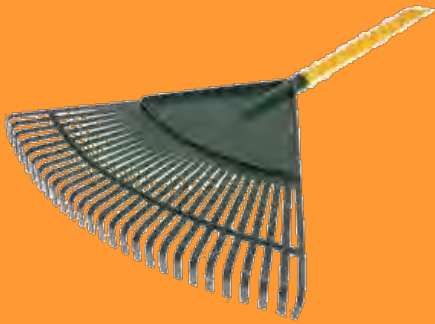


# PROTECT OUR WATERSHED

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## 3 R'S OF FALL YARD CARE

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### REDUCE → RAKE

Raking leaves prevents pollution by keeping them out of storm drains. Storm drains carry leaves directly to local streams. Decomposing leaves contain excessive nutrients that can harm our water quality. Leaves can also clog storm drains and cause flooding.

### REUSE → MULCH

However, extra nutrients such as nitrogen and phosphorus are great for lawn fertilizer! Mulch leaves into small pieces using a lawnmower and spread them across your yard.



### RECYCLE → COMPOST

Instead of bagging leaves, compost them to use them as fertilizer later.



# When it Rains, It Drains

## Understand Stormwater Runoff & Water Contamination

When it rains, surfaces like driveways, sidewalks and streets prevent storm water runoff from naturally soaking into the ground.

The first inch of rainfall is responsible for the bulk of the pollutants in stormwater runoff.

**Stormwater runoff carries pollutants into your waterways.**

### Runoff Picks Up:

- Pet Waste
- Fertilizers
- Motor Oil
- Detergents
- Chemicals
- Trash

Runoff from Roof and Gutters

Runoff from Street and Driveway

### 10 Things You Can do to Prevent Water Contamination

1. Recycle your used motor oil and other auto fluids.
2. Fix oil, radiator and transmission leaks in your car.
3. Pick up pet waste and dispose of it in the toilet or in the trash.
4. Wash your car in the grass or at a car wash that utilizes a water reclamation system.
5. Dispose of hazardous home chemicals, unused medications and oil based paint products at your local hazardous waste site.
6. Use pesticides and other lawn chemicals sparingly
7. Pick up and properly dispose of leaves and grass clippings.
8. Install a rain garden, use a rain barrel and reduce impervious surfaces around your home.
9. Plant trees and plants that serve as natural filters.
10. Always use a trash can to dispose of waste and recycle reusable materials.

# PROTECT OUR WATERSHED

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## WINTER TIPS

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### SHOVEL



Always shovel storm drains from the sidewalk. Shovel snow onto vegetated areas, where meltwater can soak into the ground. This reduces runoff that goes down storm drains and directly to rivers and streams.

### MAINTAIN



Winterize vehicles to prevent leaks. Wash cars at commercial carwashes, where soapy water does not enter the storm sewer.

### USE LESS



A little salt goes a long way. Apply sparingly, and remove slush once the snow melts to prevent refreezing. Salt in our stormwater system can be harmful to aquatic life.

### STORE SAFELY



Practice good house keeping by storing salt or other de-icers under a roof or other cover to minimize polluted runoff.



# Stormwater Phase II Final Rule

## Public Education and Outreach Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

2.1 – Who's Covered? Designation and Waivers of Regulated Small MS4s

2.2 – Urbanized Areas: Definition and Description

#### Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

2.10 – Federal and State-Operated MS4s: Program Implementation

#### Construction Program

3.0 – Construction Program Overview

3.1 – Construction Rainfall Erosivity Waiver

#### Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

This fact sheet profiles the Public Education and Outreach minimum control measure, one of six measures an operator of a Phase II-regulated small municipal separate storm sewer system (MS4) is required to include in its stormwater management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) stormwater permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the regulated small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

### Why Is Public Education and Outreach Necessary?

An informed and knowledgeable community is crucial to the success of a stormwater management program since it helps to ensure the following:

- **Greater support** for the program as the public gains a greater understanding of the reasons why it is necessary and important. Public support is particularly beneficial when operators of small MS4s attempt to institute new funding initiatives for the program or seek volunteers to help implement the program; and
- **Greater compliance** with the program as the public becomes aware of the personal responsibilities expected of them and others in the community, including the individual actions they can take to protect or improve the quality of area waters.

### What Is Required?

To satisfy this minimum control measure, the operator of a regulated small MS4 needs to:

- ☐ Implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of stormwater discharges on local waterbodies and the steps that can be taken to reduce stormwater pollution; and
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Some program implementation approaches, BMPs (i.e., the program actions/activities), and measurable goals are suggested below.

### What Are Some Guidelines for Developing and Implementing This Measure?

Three main action areas are important for successful implementation of a public education and outreach program:



### ① Forming Partnerships

Operators of regulated small MS4s are encouraged to utilize partnerships with other governmental entities to fulfill this minimum control measure's requirements. It is generally more cost-effective to use an existing program, or to develop a new regional or state-wide education program, than to have numerous operators developing their own local programs. Operators also are encouraged to seek assistance from non-governmental organizations (e.g., environmental, civic, and industrial organizations), since many already have educational materials and perform outreach activities.

### ② Using Educational Materials and Strategies

Operators of regulated small MS4s may use stormwater educational information provided by their State, Tribe, EPA Region, or environmental, public interest, or trade organizations instead of developing their own materials. Operators should strive to make their materials and activities relevant to local situations and issues, and incorporate a variety of strategies to ensure maximum coverage. Some examples include:

- **Brochures or fact sheets** for general public and specific audiences;
- **Recreational guides** to educate groups such as golfers, hikers, paddlers, climbers, fishermen, and campers;
- **Alternative information sources**, such as web sites, bumper stickers, refrigerator magnets, posters for bus and subway stops, and restaurant placemats;
- **A library of educational materials** for community and school groups;
- **Volunteer citizen educators** to staff a **public education task force**;
- **Event participation** with educational displays at home shows and community festivals;
- **Educational programs** for school-age children;
- **Storm drain stenciling** of storm drains with messages such as "Do Not Dump - Drains Directly to Lake;"
- **Stormwater hotlines** for information and for citizen reporting of polluters;
- **Economic incentives** to citizens and businesses (e.g., rebates to homeowners purchasing mulching lawnmowers or biodegradable lawn products); and
- **Tributary signage** to increase public awareness of local water resources.

### ③ Reaching Diverse Audiences

The public education program should use a mix of appropriate local strategies to address the viewpoints and concerns of a variety of audiences and communities, including minority and disadvantaged communities, as well as children. Printing posters and brochures in more than one language or posting large warning signs (e.g., cautioning against fishing or swimming) near storm sewer outfalls are methods that can be used to reach audiences less likely to read standard materials. Directing materials or outreach programs toward specific groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts is also recommended. For example, information could be provided to restaurants on the effects of grease clogging storm drains and to auto garages on the effects of dumping used oil into storm drains.

### What Are Appropriate Measurable Goals?

**M**easurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. Finally, they should allow the MS4 to make improvements to its program over each 5-year permit term by providing data on program successes and shortfalls.

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 could develop a stormwater public education campaign for radio and television. The goal of the campaign might be to increase the number of dog owners who pick up after their pets. To measure the program's progress towards this goal, the program manager might perform a stormwater public awareness survey at the beginning, during, and at the end of the permit term to gauge any change in pet owner behavior over time. As another example, an MS4 might want to encourage "do-it-yourselfers" to recycle used motor oil by establishing and advertising a municipal drop-off center. The MS4 could measure progress toward this goal by tracking the amount of motor oil collected and correlating those data to the timing of public service announcements and other advertisements to see if their message is being received.



## For Additional Information

### Contacts

- ☛ U.S. EPA Office of Wastewater Management  
<http://www.epa.gov/npdes/stormwater>  
Phone: 202-564-9545
- ☛ Your NPDES Permitting Authority. Most States and Territories are authorized to administer the NPDES Program, except the following, for which EPA is the permitting authority:
- |                      |                          |
|----------------------|--------------------------|
| Alaska               | Guam                     |
| District of Columbia | Johnston Atoll           |
| Idaho                | Midway and Wake Islands  |
| Massachusetts        | Northern Mariana Islands |
| New Hampshire        | Puerto Rico              |
| New Mexico           | Trust Territories        |
| American Samoa       |                          |
- ☛ A list of names and telephone numbers for each EPA Region and State is located at <http://www.epa.gov/npdes/stormwater> (click on “Contacts”).

### Reference Documents

- ☛ EPA’s Stormwater Web Site  
<http://www.epa.gov/npdes/stormwater>
- Stormwater Phase II Final Rule Fact Sheet Series
  - Stormwater Phase II Final Rule (64 *FR* 68722)
  - National Menu of Best Management Practices for Stormwater Phase II
  - Measurable Goals Guidance for Phase II Small MS4s
  - Stormwater Case Studies
  - Stormwater Month Materials
  - And many others
- ☛ Getting In Step  
<http://www.epa.gov/owow/watershed/outreach/documents/getnstep.pdf>



# Stormwater Phase II Final Rule

## Public Participation/ Involvement Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

2.1 – Who's Covered? Designation and Waivers of Regulated Small MS4s

2.2 – Urbanized Areas: Definition and Description

#### Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/ Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control Minimum Control Measure

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

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#### Construction Program

3.0 – Construction Program Overview

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#### Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

This fact sheet profiles the Public Participation/Involvement minimum control measure, one of six measures the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its stormwater management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in determining how to satisfy the minimum control measure requirements.

### Why Is Public Participation and Involvement Necessary?

EPA believes that the public can provide valuable input and assistance to a regulated small MS4's municipal stormwater management program and, therefore, suggests that the public be given opportunities to play an active role in both the development and implementation of the program. An active and involved community is crucial to the success of a stormwater management program because it allows for:

- **Broader public support** since citizens who participate in the development and decision making process are partially responsible for the program and, therefore, may be less likely to raise legal challenges to the program and more likely to take an active role in its implementation;
- **Shorter implementation schedules** due to fewer obstacles in the form of public and legal challenges and increased sources in the form of citizen volunteers;
- **A broader base of expertise and economic benefits** since the community can be a valuable, and free, intellectual resource; and
- **A conduit to other programs** as citizens involved in the stormwater program development process provide important cross-connections and relationships with other community and government programs. This benefit is particularly valuable when trying to implement a stormwater program on a watershed basis, as encouraged by EPA.

### What Is Required?

To satisfy this minimum control measure, the operator of a regulated small MS4 must:

- ☐ Comply with applicable State, Tribal, and local public notice requirements; and
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Possible implementation approaches, BMPs (i.e., the program actions and activities), and measurable goals are described below.

## What Are Some Guidelines for Developing and Implementing This Measure?

Operators of regulated small MS4s should include the public in developing, implementing, updating, and reviewing their stormwater management programs. The public participation program should make every effort to reach out and engage all economic and ethnic groups. EPA recognizes that there are challenges associated with public involvement. Nevertheless, EPA strongly believes that these challenges can be addressed through an aggressive and inclusive program. Challenges and example practices that can help ensure successful participation are discussed below.

### Implementation Challenges

The best way to handle common notification and recruitment challenges is to know the audience and think creatively about how to gain its attention and interest. Traditional methods of soliciting public input are not always successful in generating interest, and subsequent involvement, in all sectors of the community. For example, municipalities often rely solely on advertising in local newspapers to announce public meetings and other opportunities for public involvement. Since there may be large sectors of the population who do not read the local press, the audience reached may be limited. Therefore, alternative advertising methods should be used whenever possible, including radio or television spots, postings at bus or subway stops, announcements in neighborhood newsletters, announcements at civic organization meetings, distribution of flyers, mass mailings, door-to-door visits, telephone notifications, and multilingual announcements. These efforts, of course, are tied closely to the efforts for the public education and outreach minimum control measure (see Fact Sheet 2.3).

In addition, advertising and soliciting help should be targeted at specific population sectors, including ethnic, minority, and low-income communities; academia and educational institutions; neighborhood and community groups; outdoor recreation groups; and business and industry. The goal is to involve a diverse cross-section of people who can offer a multitude of concerns, ideas, and connections during the program development process.

### Possible BMPs

There are a variety of practices that could be incorporated into a public participation and involvement program, such as:

- **Public meetings/citizen panels** allow citizens to discuss various viewpoints and provide input concerning appropriate stormwater management policies and BMPs;
- **Volunteer water quality monitoring** gives citizens first-hand knowledge of the quality of local water bodies and provides a cost-effective means of collecting water quality data;

- **Volunteer educators/speakers** who can conduct workshops, encourage public participation, and staff special events;
- **Storm drain stenciling** is an important and simple activity that concerned citizens, especially students, can do;
- **Community clean-ups** along local waterways, beaches, and around storm drains;
- **Citizen watch groups** can aid local enforcement authorities in the identification of polluters; and
- **“Adopt A Storm Drain” programs** encourage individuals or groups to keep storm drains free of debris and to monitor what is entering local waterways through storm drains.

## What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, greatly depend on the needs and characteristics of the operator and the area served by the small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure.

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 could conclude as part of its Illicit Discharge Detection and Elimination program that a certain section of town has a high incidence of used motor oil dumping. The watershed has numerous automotive businesses including small repair shops, large auto dealerships, gas stations, and body shops. In addition, there are several large apartment complexes with areas that could be used as “do-it-yourself” oil change areas. The MS4 organizes a public meeting in the watershed to not only educate residents about stormwater issues and permit requirements, but also to ask for input regarding possible dumping areas and to determine if the community needs an oil recycling facility or some other way to safely dispose of used motor oil. In this way, the MS4 might better understand who the target audience is for illegal dumping control while implementing a valuable service for the watershed community.



### For Additional Information

#### Contacts

- ☞ U.S. EPA Office of Wastewater Management  
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| District of Columbia | Johnston Atoll           |
| Idaho                | Midway and Wake Islands  |
| Massachusetts        | Northern Mariana Islands |
| New Hampshire        | Puerto Rico              |
| New Mexico           | Trust Territories        |
| American Samoa       |                          |
- ☞ A list of names and telephone numbers for each EPA Region and State is located at <http://www.epa.gov/npdes/stormwater> (click on “Contacts”).

#### Reference Documents

- ☞ EPA’s Stormwater Web Site  
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  - Measurable Goals Guidance for Phase II Small MS4s
  - Stormwater Case Studies
  - And many others



# Stormwater Phase II Final Rule

## Illicit Discharge Detection and Elimination Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final  
Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater  
Program Overview

2.1 – Who's Covered? Designation  
and Waivers of Regulated Small  
MS4s

2.2 – Urbanized Areas: Definition  
and Description

#### Minimum Control Measures

2.3 – Public Education and  
Outreach

2.4 – Public Participation/  
Involvement

2.5 – Illicit Discharge Detection  
and Elimination

2.6 – Construction Site Runoff  
Control

2.7 – Post-Construction Runoff  
Control

2.8 – Pollution Prevention/Good  
Housekeeping

2.9 – Permitting and Reporting:  
The Process and Requirements

2.10 – Federal and State-Operated  
MS4s: Program Implementation

#### Construction Program

3.0 – Construction Program  
Overview

3.1 – Construction Rainfall  
Erosivity Waiver

#### Industrial "No Exposure"

4.0 – Conditional No Exposure  
Exclusion for Industrial Activity

This fact sheet profiles the Illicit Discharge Detection and Elimination minimum control measure, one of six measures the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its stormwater management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

### What Is An "Illicit Discharge"?

Federal regulations define an illicit discharge as "...any discharge to an MS4 that is not composed entirely of stormwater..." with some exceptions. These exceptions include discharges from NPDES-permitted industrial sources and discharges from fire-fighting activities. Illicit discharges (see Table 1) are considered "illicit" because MS4s are not designed to accept, process, or discharge such non-stormwater wastes.

### Why Are Illicit Discharge Detection and Elimination Efforts Necessary?

Discharges from MS4s often include wastes and wastewater from non-stormwater sources. A study conducted in 1987 in Sacramento, California, found that almost one-half of the water discharged from a local MS4 was not directly attributable to precipitation runoff. A significant portion of these dry weather flows were from illicit and/or inappropriate discharges and connections to the MS4.

Illicit discharges enter the system through either direct connections (e.g., wastewater piping either mistakenly or deliberately connected to the storm drains) or indirect connections (e.g., infiltration into the MS4 from cracked sanitary systems, spills collected by drain outlets, or paint or used oil dumped directly into a drain). The result is untreated discharges that contribute high levels of pollutants, including heavy metals, toxics, oil and grease, solvents, nutrients, viruses, and bacteria to receiving waterbodies. Pollutant levels from these illicit discharges have been shown in EPA studies to be high enough to significantly degrade receiving water quality and threaten aquatic, wildlife, and human health.

Table 1

Sources of Illicit Discharges
Sanitary wastewater
Effluent from septic tanks
Car wash wastewaters
Improper oil disposal
Radiator flushing disposal
Laundry wastewaters
Spills from roadway accidents
Improper disposal of auto and household toxics

## What Is Required?

Recognizing the adverse effects illicit discharges can have on receiving waters, the Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement and enforce an illicit discharge detection and elimination program. This program must include the following:

- ☐ A storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls;
- ☐ Through an ordinance, or other regulatory mechanism, a prohibition (to the extent allowable under State, Tribal, or local law) on non-stormwater discharges into the MS4, and appropriate enforcement procedures and actions;
- ☐ A plan to detect and address non-stormwater discharges, including illegal dumping, into the MS4;
- ☐ The education of public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and
- ☐ The determination of appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Some program implementation approaches, BMPs (i.e., the program actions/activities), and measurable goals are suggested below.

## Does This Measure Need to Address All Illicit Discharges?

No. The illicit discharge detection and elimination program does not need to address the following categories of non-stormwater discharges or flows unless the operator of the regulated small MS4 identifies them as significant contributors of pollutants to its MS4:

- ☐ Water line flushing;
- ☐ Landscape irrigation;
- ☐ Diverted stream flows;
- ☐ Rising ground waters;
- ☐ Uncontaminated ground water infiltration;
- ☐ Uncontaminated pumped ground water;
- ☐ Discharges from potable water sources;
- ☐ Foundation drains;
- ☐ Air conditioning condensation;
- ☐ Irrigation water;
- ☐ Springs;
- ☐ Water from crawl space pumps;

- ☐ Footing drains;
- ☐ Lawn watering;
- ☐ Individual residential car washing;
- ☐ Flows from riparian habitats and wetlands;
- ☐ Dechlorinated swimming pool discharges; and
- ☐ Street wash water.

## What Are Some Guidelines for Developing and Implementing This Measure?

The objective of the illicit discharge detection and elimination minimum control measure is to have regulated small MS4 operators gain a thorough awareness of their systems. This awareness allows them to determine the types and sources of illicit discharges entering their system; and establish the legal, technical, and educational means needed to eliminate these discharges. Permittees could meet these objectives in a variety of ways depending on their individual needs and abilities, but some general guidance for each requirement is provided below.

### The Map

The storm sewer system map is meant to demonstrate a basic awareness of the intake and discharge areas of the system. It is needed to help determine the extent of discharged dry weather flows, the possible sources of the dry weather flows, and the particular waterbodies these flows may be affecting. An existing map, such as a topographical map, on which the location of major pipes and outfalls can be clearly presented demonstrates such awareness.

EPA recommends collecting all existing information on outfall locations (e.g., review city records, drainage maps, storm drain maps), and then conducting field surveys to verify locations. It probably will be necessary to walk (i.e., wade through small receiving waters or use a boat for larger waters) the streambanks and shorelines for visual observation. More than one trip may be needed to locate all outfalls.

### Legal Prohibition and Enforcement

EPA recognizes that some permittees may have limited authority under State, Tribal or local law to establish and enforce an ordinance or other regulatory mechanism prohibiting illicit discharges. In such a case, the permittee is encouraged to obtain the necessary authority, if possible.

### The Plan

The plan to detect and address illicit discharges is the central component of this minimum control measure. The plan is dependant upon several factors, including the permittee's available resources, size of staff, and degree and character of its illicit discharges. As guidance only, the four steps of a recommended plan are outlined below:



**1 Locate Problem Areas**

EPA recommends that priority areas be identified for detailed screening of the system based on the likelihood of illicit connections (e.g., areas with older sanitary sewer lines). Methods that can locate problem areas include: visual screening; water sampling from manholes and outfalls during dry weather; the use of infrared and thermal photography, cross-training field staff to detect illicit discharges, and public complaints.

**2 Find the Source**

Once a problem area or discharge is found, additional efforts usually are necessary to determine the source of the problem. Methods that can find the source of the illicit discharge include: dye-testing buildings in problem areas; dye- or smoke-testing buildings at the time of sale; tracing the discharge upstream in the storm sewer; employing a certification program that shows that buildings have been checked for illicit connections; implementing an inspection program of existing septic systems; and using video to inspect the storm sewers.

**3 Remove/Correct Illicit Connections**

Once the source is identified, the offending discharger should be notified and directed to correct the problem. Education efforts and working with the discharger can be effective in resolving the problem before taking legal action.

**4 Document Actions Taken**

As a final step, all actions taken under the plan should be documented. This illustrates that progress is being made to eliminate illicit connections and discharges. Documented actions should be included in annual reports and include information such as: the number of outfalls screened; any complaints received and corrected; the number of discharges and quantities of flow eliminated; and the number of dye or smoke tests conducted.

**Educational Outreach**

The Center for Watershed Protection and Robert Pitt (2004) researched the most cost-effective and efficient techniques that can be employed to identify and correct inappropriate discharges. Data from Montgomery County, Maryland, was analyzed and it was determined that staff identify and correct about six inappropriate discharges per year as a result of regular screening. By contrast, over 185 inappropriate discharges are corrected each year in Montgomery County as a direct result of citizen complaints and calls to a storm water compliant hotline. Public education and labeling of outfalls and other storm drain infrastructure is an important element of establishing a successful citizen hotline. Outreach to public employees, businesses, property owners, the general public, and elected officials regarding ways to detect and eliminate illicit discharges is an integral part of this minimum measure.

Suggested educational outreach efforts include:

- Developing *informative brochures, and guidances* for specific audiences (e.g., carpet cleaning businesses) and school curricula;
- Designing a program to *publicize and facilitate public reporting* of illicit discharges;
- *Coordinating volunteers* for locating, and visually inspecting, outfalls or to stencil storm drains; and
- Initiating *recycling programs* for commonly dumped wastes, such as motor oil, antifreeze, and pesticides.

**What Are Appropriate Measurable Goals?**

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure.

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 could establish a measurable goal of responding to all complaints received by the citizen complaint hotline within 24 hours to minimize water quality impacts or recurrent dumping. A complaint tracking system could be used to log response and enforcement activity.

The educational outreach measurable goals for this minimum control measure could be combined with the measurable goals for the Public Education and Outreach minimum control measure (see Fact Sheet 2.3).

**Sources**

Center for Watershed Protection and R. Pitt. 2004. Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments. Center for Watershed Protection, Ellicott City, MD, and University of Alabama, Birmingham, AL.

Maryland Department of the Environment, Water Management Administration. 1997. *Dry Weather Flow and Illicit Discharges in Maryland Storm Drain Systems*. Baltimore, Maryland.

U.S. EPA Office of Water. 1993. *Investigation of Inappropriate Pollutant Entries into Storm Drainage Systems: A User's Guide*. EPA/600/R-92/238. Washington, D.C.

Wayne County Rouge River National Wet Weather Demonstration Project. 1997. *Guidance for Preparing a Program for the Elimination of Illicit Discharges*. Wayne County, Michigan.

## For Additional Information

### Contacts

U.S. EPA Office of Wastewater Management  
<http://www.epa.gov/npdes/stormwater>  
Phone: 202-564-9545

Your NPDES Permitting Authority. Most States and Territories are authorized to administer the NPDES Program, except the following, for which EPA is the permitting authority:

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District of Columbia	Johnston Atoll
Idaho	Midway and Wake Islands
Massachusetts	Northern Mariana Islands
New Hampshire	Puerto Rico
New Mexico	Trust Territories
American Samoa	

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Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments  
[http://www.cwp.org/idde\\_verify.htm](http://www.cwp.org/idde_verify.htm)





# Stormwater Phase II Final Rule

## Construction Site Runoff Control Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

2.1 – Who's Covered? Designation and Waivers of Regulated Small MS4s

2.2 – Urbanized Areas: Definition and Description

#### Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

2.10 – Federal and State-Operated MS4s: Program Implementation

#### Construction Program

3.0 – Construction Program Overview

3.1 – Construction Rainfall Erosivity Waiver

#### Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

This fact sheet profiles the Construction Site Runoff Control minimum control measure, one of six measures that the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its stormwater management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

### Why Is The Control of Construction Site Runoff Necessary?

Polluted stormwater runoff from construction sites often flows to MS4s and ultimately is discharged into local rivers and streams. Of the pollutants listed in Table 1, sediment is usually the main pollutant of concern. According to the 2000 National Water Quality Inventory, States and Tribes report that sedimentation is one of the most widespread pollutants affecting assessed rivers and streams, second only to pathogens (bacteria). Sedimentation impairs 84,503 river and stream miles (12% of the assessed river and stream miles and 31% of the impaired river and stream miles). Sources of sedimentation include agriculture, urban runoff, construction, and forestry. Sediment runoff rates from construction sites, however, are typically 10 to 20 times greater than those of agricultural lands, and 1,000 to 2,000 times greater than those of forest lands. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. The resulting siltation, and the contribution of other pollutants from construction sites, can cause physical, chemical, and biological harm to our nation's waters. For example, excess sediment can quickly fill rivers and lakes, requiring dredging and destroying aquatic habitats.

Table 1

#### Pollutants Commonly Discharged From Construction Sites

Sediment  
Solid and sanitary wastes  
Phosphorous (fertilizer)  
Nitrogen (fertilizer)  
Pesticides  
Oil and grease  
Concrete truck washout  
Construction chemicals  
Construction debris

### What Is Required?

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in stormwater runoff to their MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. The small MS4 operator is required to:

- ☐ Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, and controls for other wastes, on applicable construction sites;
- ☐ Have procedures for site plan review of construction plans that consider potential water quality impacts;

- ☐ Have procedures for site inspection and enforcement of control measures;
- ☐ Have sanctions to ensure compliance (established in the ordinance or other regulatory mechanism);
- ☐ Establish procedures for the receipt and consideration of information submitted by the public; and
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Suggested BMPs (i.e., the program actions/activities) and measurable goals are presented below.

### **What Are Some Guidelines for Developing and Implementing This Measure?**

Further explanation and guidance for each component of a regulated small MS4's construction program is provided below.

#### **Regulatory Mechanism**

Through the development of an ordinance or other regulatory mechanism, the small MS4 operator must establish a construction program that controls polluted runoff from construction sites with a land disturbance of greater than or equal to one acre. Because there may be limitations on regulatory legal authority, the small MS4 operator is required to satisfy this minimum control measure only to the maximum extent practicable and allowable under State, Tribal, or local law.

#### **Site Plan Review**

The small MS4 operator must include in its construction program requirements for the implementation of appropriate BMPs on construction sites to control erosion and sediment and other waste at the site. To determine if a construction site is in compliance with such provisions, the small MS4 operator should review the site plans submitted by the construction site operator before ground is broken.

Site plan review aids in compliance and enforcement efforts since it alerts the small MS4 operator early in the process to the planned use or non-use of proper BMPs and provides a way to track new construction activities. The tracking of sites is useful not only for the small MS4 operator's recordkeeping and reporting purposes, which are required under their NPDES stormwater permit (see Fact Sheet 2.9), but also for members of the public interested in ensuring that the sites are in compliance.

#### **Inspections and Penalties**

Once construction commences, BMPs should be in place and the small MS4 operator's enforcement activities should begin. To ensure that the BMPs are properly installed, the small MS4 operator is required to develop procedures for site inspection and enforcement of control measures to deter infractions. Procedures could include steps to identify priority sites for inspection and enforcement based on the nature and extent of the construction activity, topography, and the characteristics of soils and receiving water quality. Inspections give the MS4 operator an opportunity to provide additional guidance and education, issue warnings, or assess penalties. In early 2002, EPA's Office of Compliance established a national workgroup to address issues related to the construction industry. The workgroup has developed a construction industry compliance assistance Web site as a tool for builders and developers ([www.cicacenter.org](http://www.cicacenter.org)). Inspectors can use the Web site to find plain language explanations of the major environmental laws affecting the construction industry as well as guidance that can be distributed developers and construction site operators.

To conserve staff resources, one possible option for small MS4 operators is to have inspections performed by the same inspector that visits the sites to check compliance with health and safety building codes.

#### **Information Submitted by the Public**

A final requirement of the small MS4 program for construction activity is the development of procedures for the receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities. This provision is intended to further reinforce the public participation component of the regulated small MS4 stormwater program (see Fact Sheet 2.4) and to recognize the crucial role that the public can play in identifying instances of noncompliance.

The small MS4 operator is required only to *consider* the information submitted, and may not need to follow-up and respond to every complaint or concern. Although some form of enforcement action or reply is not required, the small MS4 operator is required to demonstrate acknowledgment and consideration of the information submitted. A simple tracking process in which submitted public information, both written and verbal, is recorded and then given to the construction site inspector for possible follow-up will suffice.

### **What Are Appropriate Measurable Goals?**

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure.

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 program goal might be to educate at least 80 percent of all construction site operators and contractors about proper selection, installation, inspection, and maintenance of BMPs by the end of the permit term, which will help to ensure compliance with erosion and sediment control requirements. This goal could be tracked by documenting attendance at local, State, or Federal training programs. Attendance can be encouraged by decreasing permitting fees for those contractors who have been trained and provide proof of attendance when applying for permits.

### **Are Construction Sites Covered Under the NPDES Stormwater Program?**

**Y**es. On March 10, 2003, Phase II NPDES regulations came into effect that extended coverage to construction sites that disturb one to five acres in size, including smaller sites that are part of a larger common plan of development or sale (see Fact Sheet 3.0 for information on the Phase II construction program). Sites disturbing five acres or more were regulated previously. Most states have been authorized to implement the NPDES stormwater program and have issued, or are developing state-specific construction general permits. EPA remains the permitting authority in a few states, territories, and on most land in Indian Country, however. For construction (and other land disturbing activities) in areas where EPA is the permitting authority, operators must meet the requirements of the EPA Construction General Permit (CGP). Permitting authority information can be found in Appendix B of the CGP. CGP permit requirements include the submission of a Notice of Intent and the development of a stormwater pollution prevention plan (SWPPP). The SWPPP must include a site description and measures and controls to prevent or minimize pollutants in stormwater discharges.

Even though all construction sites that disturb more than one acre are covered by national NPDES regulations, the construction site runoff control minimum measure for the small MS4 program is needed to induce more localized site regulation and enforcement efforts, and to enable operators of regulated small MS4s to more effectively control construction site discharges into their MS4s.

To aid operators of regulated construction sites in their efforts to comply with both local requirements and their NPDES permit, the Phase II Final Rule includes a provision that allows the NPDES permitting authority to reference a “qualifying State, Tribal or local program” in the NPDES general permit for construction. This means that if a construction site is located in an area covered by a qualifying local program, then the construction site operator’s compliance with the local program constitutes compliance with their NPDES permit. A regulated small MS4’s stormwater program for construction could be a “qualifying program” if the MS4 operator requires a SWPPP, in addition to the requirements summarized in this fact sheet.

The ability to reference other programs in the NPDES permit is intended to reduce confusion between overlapping and similar local and NPDES permitting authority requirements, while still providing for both local and national regulatory coverage of the construction site. The provision allowing NPDES permitting authorities to reference other programs has no impact on, or direct relation to, the small MS4 operator’s responsibilities under the construction site runoff control minimum measure profiled here.

### **Is a Small MS4 Required to Regulate Construction Sites that the Permitting Authority has Waived from the NPDES Construction Program?**

**N**o. If the NPDES permitting authority waives requirements for stormwater discharges associated with small construction activity (see 40 CFR § 122.26(b)(15)(i)), the small MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from such construction sites.



### For Additional Information

#### Contacts

- ☛ U.S. EPA Office of Wastewater Management  
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- ☛ Your NPDES Permitting Authority. Most States and Territories are authorized to administer the NPDES Program, except the following, for which EPA is the permitting authority:  

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  - Measurable Goals Guidance for Phase II Small MS4s
  - Stormwater Case Studies
  - And many others
  - EPA Construction General Permit and Fact Sheet  
[www.epa.gov/npdes/stormwater/cgp](http://www.epa.gov/npdes/stormwater/cgp)
  - EPA Stormwater Management for Construction Activities and Best Management Practices: Developing Pollution Prevention Plans Guidance
- ☛ Construction Industry Compliance Assistance Center. <http://www.cicacenter.org/>



# Stormwater Phase II Final Rule

## Post-Construction Runoff Control Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

2.1 – Who's Covered? Designation and Waivers of Regulated Small MS4s

2.2 – Urbanized Areas: Definition and Description

#### Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

2.10 – Federal and State-Operated MS4s: Program Implementation

#### Construction Program

3.0 – Construction Program Overview

3.1 – Construction Rainfall Erosivity Waiver

#### Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

This fact sheet profiles the Post-Construction Runoff Control minimum control measure, one of six measures that the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its stormwater management program in order to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements for post-construction runoff control and offers some general guidance on how to satisfy those requirements. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

### Why Is The Control of Post-Construction Runoff Necessary?

Post-construction stormwater management in areas undergoing new development or redevelopment is necessary because runoff from these areas has been shown to significantly affect receiving waterbodies. Many studies indicate that prior planning and design for the minimization of pollutants in post-construction stormwater discharges is the most cost-effective approach to stormwater quality management.

There are generally two forms of substantial impacts of post-construction runoff. The first is caused by an increase in the type and quantity of pollutants in stormwater runoff. As runoff flows over areas altered by development, it picks up harmful sediment and chemicals such as oil and grease, pesticides, heavy metals, and nutrients (e.g., nitrogen and phosphorus). These pollutants often become suspended in runoff and are carried to receiving waters, such as lakes, ponds, and streams. Once deposited, these pollutants can enter the food chain through small aquatic life, eventually entering the tissues of fish and humans. The second kind of post-construction runoff impact occurs by increasing the quantity of water delivered to the waterbody during storms. Increased impervious surfaces (e.g., parking lots, driveways, and rooftops) interrupt the natural cycle of gradual percolation of water through vegetation and soil. Instead, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. The effects of this process include streambank scouring and downstream flooding, which often lead to a loss of aquatic life and damage to property.

### What Is Required?

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in post-construction runoff to their MS4 from new development and redevelopment projects that result in the land disturbance of greater than or equal to 1 acre. The small MS4 operator is required to:

- ☐ Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs);
- ☐ Have an ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal or local law;

- ☐ Ensure adequate long-term operation and maintenance of controls;
- ☐ Determine the appropriate best management practices and measurable goals for this minimum control measure.

### What Is Considered a “Redevelopment” Project?

The Phase II Final Rule applies to “redevelopment” projects that alter the “footprint” of an existing site or building in such a way that there is a disturbance of equal to or greater than 1 acre of land. Redevelopment projects do not include such activities as exterior remodeling. Because redevelopment projects may have site constraints not found on new development sites, the Phase II Final Rule provides flexibility for implementing post-construction controls on redevelopment sites that consider these constraints.

### What Are Some Guidelines for Developing and Implementing This Measure?

This section includes some non-structural and structural BMPs that could be used to satisfy the requirements of the post-construction runoff control minimum measure. It is important to recognize that many BMPs are climate-specific, and not all BMPs are appropriate in every geographic area. Because the requirements of this measure are closely tied to the requirements of the construction site runoff control minimum measure (see Fact Sheet 2.6), EPA recommends that small MS4 operators develop and implement these two measures in tandem.

#### ☐ Non-Structural BMPs

- **Planning Procedures.** Runoff problems can be addressed efficiently with sound planning procedures. Local master plans, comprehensive plans, and zoning ordinances can promote improved water quality in many ways, such as guiding the growth of a community away from sensitive areas to areas that can support it without compromising water quality.
- **Site-Based BMPs.** These BMPs can include buffer strip and riparian zone preservation, minimization of disturbance and imperviousness, and maximization of open space.

#### ☐ Structural BMPs

- **Stormwater Retention/Detention BMPs.** Retention or detention BMPs control stormwater by gathering runoff in wet ponds, dry basins, or multichamber catch basins and slowly releasing it to receiving waters or drainage systems. These practices can be designed to both control stormwater volume and settle out particulates for pollutant removal.

- **Infiltration BMPs.** Infiltration BMPs are designed to facilitate the percolation of runoff through the soil to ground water, and, thereby, result in reduced stormwater runoff quantity and reduced mobilization of pollutants. Examples include infiltration basins/trenches, dry wells, and porous pavement.

- **Vegetative BMPs.** Vegetative BMPs are landscaping features that, with optimal design and good soil conditions, remove pollutants, and facilitate percolation of runoff, thereby maintaining natural site hydrology, promoting healthier habitats, and increasing aesthetic appeal. Examples include grassy swales, filter strips, artificial wetlands, and rain gardens.

### What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect needs and characteristics of the operator and the area served by its small MS4. Furthermore, the measurable goals should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure.

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 program goal might be to reduce by 30 percent the road surface areas directly connected to storm sewer systems (using traditional curb and gutter infrastructure) in new developments and redevelopment areas over the course of the first permit term. Using “softer” stormwater conveyance approaches, such as grassy swales, will increase infiltration and decrease the volume and velocity of runoff leaving development sites. Progress toward the goal could be measured by tracking the linear feet of curb and gutter not installed in development projects that historically would have been used.



### For Additional Information

#### Contacts

- ☞ U.S. EPA Office of Wastewater Management  
<http://www.epa.gov/npdes/stormwater>  
Phone: 202-564-9545
- ☞ Your NPDES Permitting Authority. Most States and Territories are authorized to administer the NPDES Program, except the following, for which EPA is the permitting authority:  

Alaska	Guam
District of Columbia	Johnston Atoll
Idaho	Midway and Wake Islands
Massachusetts	Northern Mariana Islands
New Hampshire	Puerto Rico
New Mexico	Trust Territories
American Samoa	
- ☞ A list of names and telephone numbers for each EPA Region and State is located at <http://www.epa.gov/npdes/stormwater> (click on “Contacts”).

#### Reference Documents

- ☞ EPA’s Stormwater Web Site  
<http://www.epa.gov/npdes/stormwater>
  - Stormwater Phase II Final Rule Fact Sheet Series
  - Stormwater Phase II Final Rule (64 *FR* 68722)
  - National Menu of Best Management Practices for Stormwater Phase II
  - Measurable Goals Guidance for Phase II Small MS4s
  - Stormwater Case Studies
  - And many others
- ☞ Other EPA Web sites
  - Ordinance Database  
[www.epa.gov/owow/nps/ordinance](http://www.epa.gov/owow/nps/ordinance)
  - Urban Nonpoint Source Guidance  
[www.epa.gov/owow/nps/urbanmm/index.html](http://www.epa.gov/owow/nps/urbanmm/index.html)
  - Low Impact Development Web site  
[www.epa.gov/owow/nps/lid](http://www.epa.gov/owow/nps/lid)



# Stormwater Phase II Final Rule

## Pollution Prevention/Good Housekeeping Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

2.1 – Who's Covered? Designation and Waivers of Regulated Small MS4s

2.2 – Urbanized Areas: Definition and Description

#### Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

2.10 – Federal and State-Operated MS4s: Program Implementation

#### Construction Program

3.0 – Construction Program Overview

3.1 – Construction Rainfall Erosivity Waiver

#### Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

This fact sheet profiles the Pollution Prevention/Good Housekeeping for Municipal Operations minimum control measure, one of six measures the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

### Why Is Pollution Prevention/Good Housekeeping Necessary?

The Pollution Prevention/Good Housekeeping for municipal operations minimum control measure is a key element of the small MS4 stormwater management program. This measure requires the small MS4 operator to examine and subsequently alter their own actions to help ensure a reduction in the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems.

While this measure is meant primarily to improve or protect receiving water quality by altering municipal or facility operations, it also can result in a cost savings for the small MS4 operator, since proper and timely maintenance of storm sewer systems can help avoid repair costs from damage caused by age and neglect.

### What Is Required?

Recognizing the benefits of pollution prevention practices, the rule requires an operator of a regulated small MS4 to:

- ☐ Develop and implement an operation and maintenance program with the ultimate goal of preventing or reducing pollutant runoff from municipal operations into the storm sewer system;
- ☐ Include employee training on how to incorporate pollution prevention/good housekeeping techniques into municipal operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance. To minimize duplication of effort and conserve resources, the MS4 operator can use training materials that are available from EPA, their State or Tribe, or relevant organizations;
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Some program implementation approaches, BMPs (i.e., the program actions/activities), and measurable goals are suggested below.



## What Are Some Guidelines for Developing and Implementing This Measure?

The intent of this control measure is to ensure that existing municipal, State or Federal operations are performed in ways that will minimize contamination of stormwater discharges. EPA encourages the small MS4 operator to consider the following components when developing their program for this measure:

- **Maintenance activities, maintenance schedules, and long-term inspection procedures** for structural and non-structural controls to reduce floatables and other pollutants discharged from the separate storm sewers;
- **Controls for reducing or eliminating the discharge of pollutants** from areas such as roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations. These controls could include programs that promote recycling (to reduce litter), minimize pesticide use, and ensure the proper disposal of animal waste;
- **Procedures for the proper disposal of waste** removed from separate storm sewer systems and areas listed in the bullet above, including dredge spoil, accumulated sediments, floatables, and other debris; and
- **Ways to ensure that new flood management projects assess the impacts on water quality** and examine existing projects for incorporation of additional water quality protection devices or practices. EPA encourages coordination with flood control managers for the purpose of identifying and addressing environmental impacts from such projects.

The effective performance of this control measure hinges on the proper maintenance of the BMPs used, particularly for the first two bullets above. For example, structural controls, such as grates on outfalls to capture floatables, typically need regular cleaning, while non-structural controls, such as training materials and recycling programs, need periodic updating.

## What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are meant to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should consider the needs and characteristics of the operator and the area served by its small MS4. The measurable goals should be chosen using an integrated

approach that fully addresses the requirements and intent of the minimum control measure.

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 program goal might be to incorporate the use of road salt alternatives for highway deicing and reduce traditional road salt use by 50 percent in the first year of the permit term.

## For Additional Information

### Contacts

☞ U.S. EPA Office of Wastewater Management  
<http://www.epa.gov/npdes/stormwater>  
 Phone: 202-564-9545

☞ Your NPDES Permitting Authority. Most States and Territories are authorized to administer the NPDES Program, except the following, for which EPA is the permitting authority:

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Massachusetts	Northern Mariana Islands
New Hampshire	Puerto Rico
New Mexico	Trust Territories
American Samoa	

☞ A list of names and telephone numbers for each EPA Region and State is located at <http://www.epa.gov/npdes/stormwater> (click on "Contacts").

### Reference Documents

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  - National Menu of Best Management Practices for Stormwater Phase II
  - Measurable Goals Guidance for Phase II Small MS4s
  - Stormwater Case Studies
  - And many others

Minimum Control Measure #2  
Public Involvement/Participation

**Minimum Control Measure #2**  
**Public Involvement and Participation**

Pocono Township  
1630022  
June 30, 2022

1. Pocono Township shall discuss Municipal Stormwater during one (1) public meeting per year over the 5-year permit period.

The Township Planning Commission meets on the 2<sup>nd</sup> and 4<sup>th</sup> Mondays of the month and the Board of Commissioners meets on the 1<sup>st</sup> and 3<sup>rd</sup> Mondays of the month. All meetings provide an opportunity for the public to comment on Township business, including Municipal Stormwater.

Proof of the Municipal Stormwater discussions during an advertised meeting will be provided during the permit period.

2. Pocono Township will continue to solicit participation throughout the year through the Distribution Methods listed under Minimum Control Measure #1.
  - a. Fall and Spring Cleanups (continue from previous years).
  - b. Pick Up the Poconos
  - c. Arbor Day and/or Earth Day events.

A list of events involving public participants will be provided with each yearly report.

3. Public awareness will be implemented through signage, i.e. “No Dumping”.
4. Pocono Township is currently a Stream Steward of the Brodhead Watershed Association and will continue the affiliation. A link to the Brodhead Watershed Association is provided under the Resources tab, Municipal Stormwater (MS-4) link on the Township’s website.
5. Pocono Township will explore partnering with Trouts Unlimited.
6. Each MS-4 Status Report will be provided on the Township website.
7. The Stormwater Management Ordinance per PADEP’s Model 2022 ordinance will be adopted by the Township.

<b>Minimum Control Measure #2</b>				Pocono Township
Public Involvement and Participation				1630022
				June 30, 2022
Document	Website	Newsletter	Facebook	Municipal Building
Pick Up the Poconos, September 25, 2021			x	
2021 Fall Clean Up, October 1 and 2	x		x	
2022 Spring Clean Up, April 28, 29, and 30	x		x	
Pick Up the Poconos, April 23, 2022			x	
Public Presentation, May 16, 2022	x			
MS-4 Status Report, Year 1: December 1, 2018 to June 30, 2019	x			
MS-4 Status Report, Year 2, July 1, 2019 to June 30, 2020	x			
MS-4 Status Report, Year 3, July 1, 2020 to June 30, 2021	x			





## Pocono Township



## Intro



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112 Township Drive, Tannersville, PA, United States, Pennsylvania



(570) 629-1922



poconopa.gov



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## Photos

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## Pocono Township

August 6, 2021 · 🌐



Pocono Township residents are encouraged to take part in this year's Pick Up the Poconos Day on Saturday, September 25 from 9:30 AM to 12:30 PM. Visit [www.pickupthepoconos.com](http://www.pickupthepoconos.com) to sign up and help pick litter in our Township.



2

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Pocono Township



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Erin Deiter-Masker

Congratulations and stay safe !!

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Pocono Township

September 14, 2021 · 6



Fall Cleanup - October 1 &amp; 2 (112 Township Drive, Tannersville).

## Pocono Township Fall Cleanup October 1 & 2, 2021

Township residents can bring items to Cleanup from 7:30 a.m. to 3 p.m.

**FOR RESIDENTIAL USE ONLY**

Carload - \$5 | Small Pickup/SUV - \$10 | Large Pickup/SUV/6 ft Trailer - \$20 | Tires - \$5

*\*Larger loads will be subject to an additional surcharge\**

- Proof of Pocono Township Residency required.
- Limit one load per family per day.
- Metal, electronics, and large plastic items cannot be mixed with landfill items.
- No hazardous chemicals or materials, no sealed/unsealed paint cans, no sealed/unsealed containers, and no household garbage.

ELECTRONIC DEVICES covered under the Covered Device Recycling Act (including computers and TVs) are accepted FREE of charge. Vehicles containing only covered electronic devices will not be charged a fee. Electronics should have cords intact, glass unbroken, and no internal metals or parts stripped.

18

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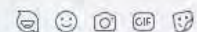
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Jim Pellegrini  
Good timing!

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[poconotownship.gov](#)

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Pocono Township

September 28, 2021

Fall Cleanup is this Friday, Oct. 1 and Saturday, Oct. 2 from 7:30 a.m. to 3 p.m. each day at the Township complex (112 Township Drive, Tannersville). Please note the fee schedule below. The Cleanup is for residential use only.

**Pocono Township Cleanup**

Residential Use Only • Proof of Residency Required

**Car Load: \$5.00 • SUV: \$10.00**

**Pickup Truck: \$15.00**

**Trailer: Up to 8 ft \$20.00 • Trailer: Over 8 ft \$40.00**

**U-Haul: 6-9 ft \$50.00 • 10-14 ft \$100.00**

**U-Hauls: Over 14 ft NOT PERMITTED**

**X-Large Utility Trailer: \$60.00**

**\$10 surcharge for sideboards over 2 ft. high**

**Car Tires (Off Rim) \$5.00 • Truck/Tractor Tires (Off Rim) \$6.00**

**Appliances w/Refrigerant: \$40.00**

**No Hazardous Materials (Lands Must be Sorted) One Load Per Family Per Day**

**ELECTRONIC DEVICES under the Covered Device Recycling Act (including computers & TVs) accepted free of charge.**

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Pocono Township

September 20, 2021

Congratulations and welcome to our new officers! #BackToTheBlue

Windows taskbar with various application icons and system clock showing 8:04 AM on 9/17/2022.

# News & Events

## News

### TLC Park Master Plan Public Presentation

March 3, 2022

### 2/14 Planning Commission Meeting Canceled

February 14, 2022

### NOTICE: Hearing to Adopt Cable Franchise Agreement

February 11, 2022

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First Name

Last Name

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## This Month's Newsletter

[Read Here](#)

## Meetings & Events

October 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
-----	-----	-----	-----	-----	-----	-----



Mon	Tue	Wed	Thu	Fri	Sat	Sun
27 <a href="#">5:00 pm Commissioners Info Session</a> <a href="#">6:00 pm Planning Commission Meeting</a>	28	29 <a href="#">5:00 pm Budget Work Session</a>	30	1 <a href="#">7:30 am Pocono Township Fall Cleanup</a>	2	3
4 <a href="#">6:00 pm Board of Commissioners Meeting</a> <a href="#">6:00 pm Sewer Committee Meeting</a>	5	6	7	8	9	10
11 <a href="#">6:00 pm Planning Commission Meeting</a>	12	13	14	15	16	17
18 <a href="#">6:00 pm Board of Commissioners Meeting</a>	19	20	21	22	23	24
25	26	27	28	29	30	31 <a href="#">5:00 pm 2021 Halloween Trick-or-Treat</a>



## Get Alerts & Updates With Savvy Citizen



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Pocono Township Municipal Building,  
112 Township Drive,  
Tannersville, Pa. 18372

### WORKING HOURS



**570-629-1922** Phone  
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Mon-Fri 8:00AM - 4:30PM

### SOME HELPFUL LINKS

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# News & Events

## News

### TLC Park Master Plan Public Presentation

March 3, 2022

### 2/14 Planning Commission Meeting Canceled

February 14, 2022

### NOTICE: Hearing to Adopt Cable Franchise Agreement

February 11, 2022

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## This Month's Newsletter

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## Meetings & Events

April 2022

Mon	Tue	Wed	Thu	Fri	Sat	Sun
-----	-----	-----	-----	-----	-----	-----


Mon	Tue	Wed	Thu	Fri	Sat	Sun
28 <a href="#">6:00 pm Planning Commission Meeting</a>	29	30	31	1	2	3
4 <a href="#">6:00 pm Board of Commissioners Meeting</a>	5	6	7	8	9	10
<a href="#">6:00 pm Sewer Committee Meeting</a>						
11 <a href="#">6:00 pm Planning Commission Meeting</a>	12	13	14	15	16	17
18 <a href="#">6:00 pm Board of Commissioners Meeting</a>	19	20	21	22	23	24
25 <a href="#">6:00 pm Planning Commission Meeting</a>	26	27	28 <a href="#">7:30 am Pocono Township Spring Cleanup</a>	29	30	1



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Tannersville, Pa. 18372

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**Pocono Township**

**Intro**  
 The official page of Pocono Township, a Township of the First Class. Population 11,000 residents.

**Page** · Government organization

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(570) 629-1922

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**Pocono Township** April 6 · 🌐

Pocono Township residents are encouraged to take part in this year's "Pick up the Poconos" Spring Cleanup on Saturday, April 23! This is a perfect way for us all to do our part for Earth Day and beautify our community. All litter pick-up materials will be provided to you at no cost. Interested residents can sign up for the event at <https://www.poconomountaintown.com/pick-up-the-poconos/sign-up/>.

**#PickUpThePoconos**  
**PickUpThePoconos.com**

SAT, APR 21  
**Pick Up The Poconos Day - Spring Clean-Up**  
 Pocono Mountain  
 46 people interested

2

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63°F Sunny 8:10 AM 8/17/2022



POCONO TOWNSHIP COMMISSIONERS  
AGENDA

May 16, 2022 | 6:00 p.m.

112 Township Drive, Tannersville, PA

**Dial-In Option: 646 558 8656**

**Meeting ID: 892 102 5946**

**Passcode: 18372**

**Zoom Link:**

**<https://us06web.zoom.us/j/8921025946?pwd=Q1VtaFVkVEpRWTUvdIFrSHJ1cE1TdZ09>**

**Open Meeting**

**Pledge of Allegiance**

**Roll Call**

**Public Comment**

*We ask that any resident making public comment, including those who may have dialed in by phone, please identify yourselves, provide your street address and state the spelling of your name when addressing the Commissioners.*

*Comments are for any issue. Please limit individual comments to five (5) minutes to allow time for others wishing to speak and direct all questions and comments to the President.*

**Announcements**

- The first annual Pocono Township Touch-a-Truck event will be held on Saturday, June 4<sup>th</sup> from 10:00 a.m. to 2:00 p.m. This free, family-friendly event will feature dozens of trucks, vehicles and activities for children. Funds raised from food sales, donations and a raffle will benefit the Pocono Township Volunteer Fire Company.

**Hearings – None**

**Presentations**

- Retirement Plaque Presentation – Officer Rob Furino – Recognition of over 19 years of service to the Pocono Township Police Department.
- Q1 2022 Township Treasurer's Report – Frank Cefali, CPA & Township Treasurer.
- MS-4 Presentation – Melissa Prugar, LVL Engineering. Progress report for Pocono Township's MS-4 compliance.

- Nick Wilson, Township Resident – Request for Board of Commissioners consideration.

### **Resolutions – None**

### **Consent Agenda**

- Motion to approve a consent agenda of the following items:
  - Old business consisting of the minutes of the May 2, 2022 regular meeting of the Board of Commissioners.
  - Financial transactions through May 12, 2022 including:
    - Ratification of vouchers payable in the amount of \$1,730.28, sewer operating expenditures in the amount of \$1,027.45, and capital reserve expenditures in the amount of \$13,689.96.
    - Ratification of gross payroll for the pay period ending May 1, 2022 in the amount of \$112,352.67.
    - Vouchers payable in the amount of \$289,554.72.
    - Sewer operating fund expenditures in the amount of \$9,730.64.
    - Sewer construction fund expenditures in the amount of \$29,430.00.
    - Capital reserve fund expenditures in the amount of \$ 28,385.75.
    - A Fire Tax disbursement of \$70,940.37.
    - A transfer of \$30,000 from the Capital Reserve to the General Fund, returning a temporary transfer of funds offset from the receipt of state grant funds.
    - Transfer of \$24,414.00 from the ARPA funds to the Capital Reserve fund for the purchase of the Mighty Descent Slide for Mountain View Park.

**(Action Items)**

### **NEW BUSINESS**

#### **1. Personnel – None**

#### **2. Travel/Training Authorizations – None**

### **Report of the President**

Richard Wielebinski

- Motion to award 2022 paving bid. **(Action Item)**
- Motion to approve a COSTARS quote in the amount of \$165,674.00 provided by Recreation Resource USA for purchase and installation of two playground structures at TLC Park. These items will be purchased through grant funds, open space fees and ARPA funds. **(Action Item)**
- Motion to approve Payment No. 1 in the amount of \$27,000.00 to Blue World Construction, Inc. as part of the General/Building Contract for Pump Station 5 Part II improvements. **(Action Item)**
- Motion to approve Payment No. 1 in the amount of \$32,895.00 to Blue World Construction, Inc. under the Mechanical/Plumbing Contract for Pump Station 5 Part II improvements. **(Action Item)**
- Discussion and possible action regarding the re-naming of John's Way. **(Possible Action Item)**
- Discussion regarding possible youth softball and baseball training facility at TLC Park.
- Update regarding quote for four (4) foot chain link fence extension for the TLC Park Basketball Court.

### **Commissioner Comments**

Jerrod Belvin – Vice President

- Emergency Management Update
- Discussion regarding cameras at TLC Park.

Ellen Grandt – Commissioner



Jerry Lastowski – Commissioner

Keith Meeker – Commissioner

## **Reports**

### **Zoning**

### **Emergency Services Reports**

- Department updates and Police Department tattoo policy. **(Possible Action Item)**

### **Public Works Report**

- Current Public Works projects.
- Mountain View Park updates.
- Update – Park Lane Culvert Replacement – Dirt and Gravel Grant.

### **Administration – Manager’s Report**

- Update – Active Township grant applications.
- Update – Zoning Ordinance Amendment process with the Planning Commission.
- 2022 Township Events
  - Pocono Township Touch-a-Truck – June 4, 2022
  - Community Day – Saturday, September 10, 2022
  - Trunk-or-Treat – TBD
  - Christmas Tree Lighting – TBD

### **Township Engineer Report**

- Engineering study for identified stormwater projects – Laurel Lake Road and Oakwood Acres.
- Engineering for sidewalk project from Township Drive to Turkey Hill, per the recent PennDOT TASA grant award.
- Update – Righthand turn lanes from Rt. 611 onto Rimrock Road and Bartonsville Avenue.

### **Township Solicitor Report**

- Zoning Hearing Board updates.
  - Parker Argot Hearing – May 31, 2022
  - Update – Johnson Appeal.
- Update – Kelly Trust Property
- Update – PJJWA transfer agreement.

## **Public Comment**

*Please limit individual comments to 5 minutes to allow time for others wishing to speak and direct all questions and comments to the President.*

## **Adjournment**

**Pocono Township Board of Commissioners  
Regular Meeting Minutes  
May 16, 2022 | 6:05 p.m.**

The regular meeting of the Pocono Township Board of Commissioners was held on May 16, 2022 and was opened by President Rich Wielebinski at 6:05 p.m. followed by the Pledge of Allegiance.

**Roll Call:** Jerrod Belvin, present; Ellen Gndt, present; Jerry Lastowski, present; Keith Meeker, absent; and Rich Wielebinski, present via Zoom.

**In Attendance:** Leo DeVito, Township Solicitor; Amy Montgomery, Township Engineer; Taylor Muñoz via Zoom, Township Manager; Shawn Goucher, Acting Chief of Police; Robert Sargent, Public Works Supervisor via Zoom; Frank Cefali, Township Treasurer; Paola Razzaq, Financial Administrator; and Jennifer Gambino, Administrative Assistant.

**Public Comment** - None

**Announcements**

- The first annual Pocono Township Touch-a-Truck event will be held on Saturday, June 4<sup>th</sup> from 10:00 a.m. to 2:00 p.m. This free, family-friendly event will feature dozens of trucks, vehicles, and activities for children. Funds raised from food sales, donations and a raffle will benefit the Pocono Township Volunteer Fire Company.

**Hearings** – None

**Presentations**

- Retirement Plaque Presentation – Officer Rob Furino – Plaque presentation and recognition of over 19 years of service to the Pocono Township Police Department.
- Q1 2022 Township Treasurer's Report – Frank Cefali, CPA & Township Treasurer presented report (included as attachment with minutes). Presented highlights from each fund, revenues received, expenses and tax collection rates for Q1. Stated the expenditures look skewed because of a transfer out of the General Fund to the Capital Fund. Absent the transfer, the Township's expenses are in line as expected. Sewer tapping fees are up. E. Gndt asked about Liquid Fuels disbursement and Amusement Tax. Clarification given regarding the increased Amusement Tax rate.
- MS-4 Presentation – Melissa Prugar, P.E., LVL Engineering, provided a progress report for Pocono Township's Municipal Separate Stormwater System (MS-4) compliance. Township meets annual terms of the Township's MS-4 permit, which requires Township to meet six minimum control measures to protect area waterways and prevent illicit discharges. Control measures include public education, construction site stormwater runoff control, post-construction stormwater management, and pollution prevention. Any development over one acre requires notification of the Conservation District. T. Muñoz inquired about the current stormwater ordinance and the deadline for revisions. A draft will be presented to the Board for adoption in the future.
- Nick Wilson, Township Resident – N. Wilson is a Township resident who lives on John's Lane, off Warner Road. In October of 2021, his brother-in-law was murdered in Florida. He was an integral part of their family. Two of his sisters live on John's Lane and he asked whether the Township would consider renaming their road to "Kevin's Lane." Signatures of support were collected from every resident on John's Lane.

J. Belvin made a motion, seconded by J. Lastowski, to open the agenda for consideration of renaming John's Lane off Warner Road. All in favor. Motion carried.

J. Belvin made a motion, seconded by E. Gnandt, to advertise the renaming of John's Lane to Kevin's Lane, with the Township Resident, Nick Wilson, responsible for the cost of the change. No public comment. All in favor. Motion carried.

**Resolutions** – None

**Consent Agenda**

- Motion to approve a consent agenda of the following items:
  - Old business consisting of the minutes of the May 2, 2022 regular meeting of the Board of Commissioners.
  - Financial transactions through May 12, 2022 including:
    - Ratification of vouchers payable in the amount of \$1,730.28, sewer operating expenditures in the amount of \$1,027.45, and capital reserve expenditures in the amount of \$13,689.96.
    - Ratification of gross payroll for the pay period ending May 1, 2022 in the amount of \$112,352.67.
    - Vouchers payable in the amount of \$289,554.72.
    - Sewer operating fund expenditures in the amount of \$9,730.64.
    - Sewer construction fund expenditures in the amount of \$29,430.00.
    - Capital reserve fund expenditures in the amount of \$ 28,385.75.
    - A Fire Tax disbursement of \$70,940.37.
    - A transfer of \$30,000 from the Capital Reserve to the General Fund, returning a temporary transfer of funds offset from the receipt of state grant funds.
    - Transfer of \$24,414.00 from the ARPA funds to the Capital Reserve fund for the purchase of the Mighty Descent Slide for Mountain View Park.

J. Belvin made a motion, seconded by J. Lastowski, to approve the consent agenda. E. Gnandt asked that the motion for the slide be conditioned on the vendor being a COSTARS quote. Amendment to motion accepted. All in favor. Motion carried as amended.

**NEW BUSINESS**

**Report of the President**

Richard Wielebinski

- Motion to award 2022 paving bid - Discussion regarding the bids received being above the 2022 budgeted amount. H&K bid \$1,874,247.03 and Hanson Aggregates bid \$1,879,310.20. L. DeVito indicated that the Township spoke with PennDOT and has the authority to remove portions of the project per the bid contract documents. L. DeVito suggested the Board of Commissioners take action at the next BOC meeting. J. Belvin suggested the Board discuss together what roads should be removed from the project.

R. Wielebinski made a motion, seconded by J. Belvin, to approve a COSTARS quote in the amount of \$165,674.00 provided by Recreation Resource USA for purchase and installation of two playground structures at TLC Park. These items will be purchased through grant funds, open space fees and ARPA funds. E. Gnandt asked that the invoice reflect COSTARS pricing. All in favor. Motion carried.

R. Wielebinski made a motion, seconded by J. Lastowski, to approve Payment No. 1 in the amount of \$27,000.00 to Blue World Construction, Inc. as part of the General/Building Contract for Pump Station 5 Part II improvements. All in favor. Motion carried.

R. Wielebinski made a motion, seconded by J. Lastowski, to approve Payment No. 1 in the amount of \$32,895.00 to Blue World Construction, Inc. under the Mechanical/Plumbing Contract for Pump Station 5 Part II improvements. J. Lastowski clarified that this bill is coming out of the sewer account. All in favor. Motion carried.

- Discussion and possible action regarding the re-naming of John's Way – Action taken earlier in meeting.
- Discussion regarding possible youth softball and baseball training facility at TLC Park – Pocono Pride was informed that they would be receiving another grant for the construction of a training facility and their representative asked whether Pocono would still be interested in the TLC Park location. E. Gnandt asked for clarification as to whether the Township would have to pay anything toward the building construction and whether the public would be able to use the facility. Any final document would be subject to legal review. J. Lastowski asked whether the parking at TLC will be sufficient to handle park amenities and a training facility. R. Wielebinski will ask representative to attend a future meeting.
- Update regarding quote for four (4) foot chain link fence extension for the TLC Park Basketball Court – R. Sargent stated he placed two phone calls for quotes and a third one is in the works. Asking for quotes on backstop at MVP and fence around the upper field.

### **Commissioner Comments**

Jerrod Belvin – Vice President

Commended PW Crew for work on the TLC Park parking lot. Asked R. Sargent for updates on broken railing at Crossing Abilities playground, installation of plaques at TLC Park, T1-11 on dugouts, dog park update, and possible installation of cameras at TLC.

Ellen Gnandt – Commissioner

Update regarding T1-11 on Alger Avenue garage. Stated she observed activity at the property of the owner who will be before the Zoning Hearing Board at the end of this month, seeking approval for construction of a garage in the front yard setback. T. Muñoz will ask Zoning whether any activity has been permitted.

Jerry Lastowski – Commissioner

Asked for update regarding repaving of Burton Road.

### **Reports**

#### **Emergency Services Reports**

- Department updates and Police Department tattoo policy – Policy is in the works. Hiring process still underway. Attended Community Day and Earth Day at NCC.

#### **Public Works Report**

- Current Public Works projects - Completing paving and moving on to other minor jobs throughout the Township.
- Mountain View Park updates – Commended Park staff for maintaining grounds and informed Board that lights were donated during Township Cleanup and used to replace pavilion lighting.
- Update – Park Lane Culvert Replacement – Dirt and Gravel Grant – Will begin project after trout spawn.

Discussion regarding the TLC Park wingwalls. L. DeVito suggested a letter be sent to the original bidder requesting he provide a specific start date for the project or the Township will proceed with securing new quotes.

### **Administration – Manager’s Report**

- Active Township grant applications – No update.
- Update – Zoning Ordinance Amendment process with the Planning Commission – Zoning ordinance amendments will be on next Planning Commission agenda for recommendation of passage to the Board.
- 2022 Township Events
  - Pocono Township Touch-a-Truck – June 4, 2022 – Approximately twenty companies have agreed to bring various construction vehicles. T. Muñoz commended Gabel's Ice Cream for agreeing to provide ice cream at the event, donating all proceeds to the Pocono Township Volunteer Fire Company, and Camelback for donating several raffle items and use of a snow groomer.
  - Community Day – Saturday, September 10, 2022
  - Trunk-or-Treat – TBD
  - Christmas Tree Lighting – TBD

### **Township Engineer Report**

- Engineering study for identified stormwater projects – Laurel Lake Road survey is scheduled this week and a base plan has been developed for Oakwood Acres.
- Engineering for sidewalk project from Township Drive to Turkey Hill, per the recent PennDOT TASA grant award – Project kickoff meeting with PennDOT will be scheduled soon.
- Update – Righthand turn lanes from Rt. 611 onto Rimrock Road and Bartonsville Avenue – Received PennDOT’s response to questions. Moving forward and will discuss logistics with T. Muñoz.

### **Township Solicitor Report**

- Zoning Hearing Board updates.
  - Parker Argot Hearing – May 31, 2022 – BOC did not direct the solicitor to attend the hearing.
  - Update – Johnson Appeal – Nothing new on appeal. L. DeVito will reach out to Prothonotary/Clerk of Courts to see where the case stands.
- Update – Kelly Trust Property – Contempt petition is on his desk and will be completed shortly.
- Update – PJJWA transfer agreement – Agreement was pared down from 100 pages to 35 pages and appears to be on its way. Townships will receive copies of the agreement for review with the Board.

District Magistrate contempt hearing was held today regarding a White Oak Drive property with significant property maintenance issues. A 30-day appeal period now begins.

R. Wielebinski made a motion, seconded by J. Belvin, to open the agenda to discuss an architectural company out of Lansdale, Kimmel Bogrette. No comments. All in favor. Motion carried.

R. Wielebinski stated he talked with a former resident a month ago regarding a new municipal complex proposed in Archibald Borough, similar to what has been studied for Pocono Township. The Borough received a quote for a comparable municipal complex for approximately \$10 million. R. Wielebinski spoke with the architect, and they would do a feasibility study for approximately \$30,000. E. Gndt expressed concerns about continued spending on architectural planning throughout the years. J. Lastowski asked if Kimmel Bogrette can share Archibald’s plans for comparison before doing another feasibility study. R. Wielebinski will reach out and inquire whether they can share the plans.

**Public Comment** - None

### **Adjournment**

J. Belvin made a motion, seconded by E. Gndt, to adjourn the meeting at 7:51 p.m. All in favor. Motion carried.



# Pocono Township's MS4 Program

(Municipal Separate Storm Sewer System)

Presentation provided by:



May 16, 2022





# MS<sub>4</sub> Program

- An MS<sub>4</sub> is a collection of storm sewer structures, including basins, ditches, inlets, and piping that are designed to collect and discharge stormwater into streams without prior treatment.
- In 2016 the Township was required to apply for a permit through the Pennsylvania Department of Environmental Protection due to the existing high quality streams, such as the Brodhead and McMichael Creeks, and the population density. This permit has an effective date of September 1, 2018 and expires August 31, 2023.

# Minimum Control Measures (MCM)

- The permit requires the Township to meet six Minimum Control Measures. Through these measures, residents, businesses, and Township staff can learn more about keeping the local streams and environment clean, participate in activities to clean up their communities, and help in preventing and eliminating illicit discharges.
- Status report filed with the Pennsylvania Department of Environmental Protection each year to show compliance with the Minimum Control Measures.

# MCM #1 – Public Education and Outreach

Information regarding keeping existing streams clean is distributed in various ways, some include:

- Public meeting
- Township website
- Educational material available at municipal building
- Newsletters/Emails
- Social media



# MCM #2 – Public Participation and Involvement

- Volunteer opportunities for public involvement are advertised through the Township's social media, newsletter/emails, website, and municipal building lobby.
- Community and roadside cleanups are volunteer opportunities that have recently occurred.
- The Township has an affiliation with the Brodhead Watershed Association. A link is provided on the Township's website.



# MCM #3 – Illicit Discharge and Elimination

- Illicit Discharges can be caused by a variety of sources:
  - Untreated sewage or septic discharges
  - Dumping of hazardous materials to stormwater inlets
  - Industrial discharges
  - Careless vehicle maintenance
- Illicit discharge education is distributed through the Township's social media, newsletter/emails, website, and municipal building lobby.
- Observation of outfalls are performed twice during the 5-year permit period.



# MCM #4 – Construction Site Stormwater Runoff Control

- Township ordinances follow the Pennsylvania Department of Environmental Protection Chapter 102 requirements for erosion and sedimentation controls.
- Projects over 1-acre are required to submit to the Monroe County Conservation District for a review. The Township is required to notify the Conservation District of projects over 1-acre.





# MCM #5 – Post-Construction Stormwater Management

- Township has a current Stormwater Management Ordinance that requires stormwater management to address peak rate of runoff, water quality, and infiltration/groundwater recharge.
- Projects over 1-acre are required to submit to the Monroe County Conservation District for a review. The Township is required to notify the Conservation District of projects over 1-acre.



# MCM #6 – Pollution Prevention and Good Housekeeping

The Township distributes an operation and maintenance outline to their public works department yearly. The outline discusses the following:

- Awareness of illicit discharges and illegal dumping.
- Excessive sediment, use of erosion and sedimentation controls, and the improper containment of trash on active construction projects.
- Maintenance of existing stormwater management facilities.
- Vehicle maintenance
- Hazardous materials



# Questions and Comments

Additional MS<sub>4</sub> educational materials can be found on the Township's and the Pennsylvania Department of Environmental Protection's websites.





Minimum Control Measure #3  
Illicit Discharge Detention and Elimination

**Minimum Control Measure #3**  
**Illicit Discharge Detection and Elimination**

Pocono Township  
1630022  
June 30, 2022

1. The MS-4 Mapping will be updated as needed to include any newly constructed or newly found storm sewer collection and conveyance systems, or newly constructed or newly found stormwater management facilities.
2. All identified outfalls and observation points must be screened during dry weather conditions twice during the 5-year permit period. Screenings were completed during the Year 2 reporting period and will be completed again during the Year 4 reporting period. Documentation of all screenings, findings, and action taken, if any, shall be kept.
  - a. Priority areas shall be identified based upon observation at outfalls and observation points. Should any color, odor, floating solids, scum, sheen, or substances be observed at an outfall or observation point then it shall be identified as a priority area.
  - b. When any color, odor, floating solids, scum, sheen, or substances is observed the drainage area will first be analyzed to determine potential sources. Each potential source will then be investigated to determine the primary source.
  - c. The property owner of the primary source will be notified of the illicit discharge and that correction is required in accordance with Chapter 365, Solid Waste.
  - d. Should the illicit discharge not be corrected, the Township will take action per Chapter 365, Solid Waste.
  - e. All observations, investigations, and elimination shall be documented and submitted with each annual report.
3. Any reports from the public or other agencies for suspected or confirmed illicit discharges shall be responded to and any required action shall be taken. All reports of illicit discharges must be investigated, documented with response, and resolved by eliminating the illicit discharge. The process of investigation, documentation, and resolution will be the same of Item 2 above.
4. All illicit discharges that may endanger users downstream, or may create pollution or danger of pollution, or property damage shall also be reported to the Pennsylvania Department of Environmental Protection.
5. Identification of existing sewage disposal systems that may attribute to any observed illicit discharge shall be documented.
6. The updated Stormwater Management Ordinance will be advertised and adopted by the Township.
7. Prepare and distribute materials educating the target audience of illicit discharges. The materials shall be provided through the Distribution Methods listed in Minimum Control Measure #1.





## Pocono Township



### Intro

- Page** · Government organization
- 112 Township Drive, Tannersville, PA, United States, Pennsylvania
- (570) 629-1922
- [poconopa.gov](http://poconopa.gov)
- Open now** ▾
- Not yet rated (1 Review)

### Photos

[See all photos](#)



Write a comment...



### Pocono Township

September 2, 2021 ·

Many thanks to the Sanofi team for their work assisting our Township with recent storm events!



### Jerrod Belvin Pocono Township Commissioner

September 2, 2021 ·

A BIG Thanks to a Great Community Partner -  
SANOFI PASTEUR!

The past two weeks have been extremely busy for Pocono Township's Emergency Management between the storms and



## Pocono Township



## Intro

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- Open now
- Not yet rated (1 Review)

## Photos

[See all photos](#)

## Jerrod Belvin Pocono Township Commissioner

September 2, 2021 ·

A BIG Thanks to a Great Community Partner -  
SANOFI PASTEUR!

The past two weeks have been extremely busy for Pocono Township & Emergency Management between the storms and recent fuel spills into the creek. To clarify, on August 24th & September 1st, fuel spills from an old PMSD effluent discharge pipe discharged into the creek on Sanofi's property.

When Pocono Township had used all of our supplies, Sanofi's ERT Team stepped up to the plate. We are extremely fortunate that Sanofi has such an involved Health, Safety & Environmental Team, led by Joseph Gilliland (also a lifelong Volunteer with Pocono Township Fire Co.). Throughout these incidents Joe and his team have provided environmental monitoring and have used their own booms, absorbent pads and other miscellaneous supplies to help Pocono Township.

For our storm preparations, our Sewer Manager coordinated with their sewage department for controlled flows, so that the processing plant was not overrun by storm water.

Working together as a "Good Neighbor" approach in today's hectic and busy world is priceless. My many thanks to Sanofi's Joseph Gilliland and their HSE/ERT Teams. We look forward to continuing to work together as we have for decades.

Sincerely,

Jerrod D. Belvin  
Emergency Management Coordinator  
Vice-Chair Commissioner



26

2 Shares



Like



Comment



Share



Write a comment...



## Pocono Township

September 1, 2021 ·



# SOLUTIONS TO STORMWATER POLLUTION

## PROPERLY USE AND DISPOSE OF HAZARDOUS PRODUCTS

- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.



- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.



- If you have hazardous products in your home or workplace, make sure you store or dispose of them properly. Read the label for guidance.
- Use natural or less toxic alternatives when possible.

- Recycle used motor oil.
- Contact your municipality, county or facility management office for the locations of hazardous-waste disposal facilities.







**Corporate Office:**

559 Main Street, Suite 230  
Bethlehem PA 18018

**Regional Offices:**

1456 Ferry Road, Building 500  
Doylestown, PA 18901

2756 Rimrock Drive  
Stroudsburg, PA 18360

Mailing  
P.O. Box 699  
Bartonsville, PA 18321

September 27, 2022

Mr. Taylor Muñoz, Manager  
Pocono Township  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: POCONO TOWNSHIP MS-4 NPDES PERMIT  
YEAR 4 DRY WEATHER SCREENINGS REPORT  
PROJECT NO. 1630022**

Dear Mr. Muñoz,

As required by the Township's MS-4 NPDES Permit, LVL Engineering Group performed dry weather screenings of sixty-six (66) observation points throughout the Township in August and September 2021, and on May 13, 2022. The observations are conducted to track any illicit discharges, ponded stormwater, or sediment and vegetation deposits that could impede stormwater flow. No changes were observed between 2021 and May 13, 2022.

Based upon our observations, no points demonstrated evidence of illicit discharges, ponded water, or sediment deposits. The following nineteen (19) observation points exhibited deposits of sediment and vegetation. The Township should observe and consider removing the deposits to provide a continuous flow of stormwater.

1. Observation Point 002, adjacent to 2282 Club House Drive.
2. Observation Point 005, along Club House Drive, east of Snowflake Lane.
3. Observation Point 007, along S.R. 0715, north of Club House Drive.
4. Observation Point 015, along Hallet Road, south of Cherry Lane Road.
5. Observation Point 018, adjacent to 192 Hallet Road.
6. Observation Point 020, adjacent to 232 Hallet Road.
7. Observation Point 021, adjacent to 260 Wilke Road.
8. Observation Point 030, adjacent to 1570 Sullivan Trail.
9. Observation Point 031, adjacent to 139 Camelback Road.

Mr. Taylor Muñoz, Manager – Pocono Township  
Pocono Township MS-4 Permit, Year 4 Dry Weather Screenings Report  
September 27, 2022

10. Observation Point 034, adjacent to 103 Camelback Road.
11. Observation Point 035, along Faber Circle just north of its intersection with Tanbark Lane.
12. Observation Point 044, located adjacent to 653 Cherry Lane Road.
13. Observation Point 045, located adjacent to 515 Cherry Lane Road.
14. Observation Point 046, located adjacent to 515 Cherry Lane Road.
15. Observation Point 047, located adjacent to 5 Beechwood Lane.
16. Observation Point 050, adjacent to 758 Cranberry Road.
17. Observation Point 052, adjacent to 754 Cranberry Road.
18. Observation Point 056, adjacent to 3160 Route 0611.
19. Observation Point 065, adjacent to 1392 Cherry Lane Road.

The attached observation reports will be provided to the Pennsylvania Department of Environmental Protection with the Year 4 Annual Report, due September 30, 2022.

Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely,



Melissa E. Hutchison, P.E.  
Senior Municipal Engineer

MEH/tms

Enclosures



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>002 - 2282 Clubhouse Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 5' 07"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 46"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Some leaf and sediment build up DS of pipes.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/16/2021                      Date                 </div>













## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>003 - 2279 Clubhouse Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 5' 05"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 42"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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: <b>Pipe discharges to existing pond.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/16/2021                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>004 - 2015 Clubhouse Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 5' 01"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 34"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Unnamed tributary to Swiftwater Creek</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/16/2021  <hr/>                     Date  <hr/> </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>005 - Near snowfall Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 4' 60"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 28"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Clogged pipes with sediment and leaf debris build up.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/16/2021 Date













## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>006 - Hunters Farm Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 5' 09"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 15' 45"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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

**Build up of green algae and foam on stagnant parts of water downstream.**

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/16/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>007 - Along SR 715</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 4' 49"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 04"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Sediment build up on U.S. pipe</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <hr/> <div style="text-align: center;">                     08/16/2021                      _____                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>008</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 4' 48"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 09"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, No. Samples: _____)					
<b>FIELD / LABORATORY ANALYSIS</b>					
<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>	<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>
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:					
<b>ILLICIT DISCHARGES</b>					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					

<b>RESPONSIBLE OFFICIAL CERTIFICATION</b>	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/16/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 16, 2021</b>	Outfall ID No.: <b>009 - SR 715 (near 3399 SR 715)</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 4' 47"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 14"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-13-2021</b>
	Amount of Previous Precipitation: <b>0.98 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>72</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

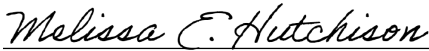
Does the dry weather flow contain an odor? ☐ Yes ☒ No If Yes, provide a description below.

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

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

**Build up of green algae in stagnant water areas.**

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Unnamed tributary to Butz Run</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/16/2021  <hr/>                     Date  <hr/> </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>010 - 3300 - SR 0715</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <u>41° 4' 24"</u>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <u>75° 16' 44"</u>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78</b> in
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: <u>8</u> in Top Width: <u>156</u> in Bottom Width: <u>156</u>	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
ILLCIT DISCHARGES					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Existing culvert conveying Butz Run.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/26/2021                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>011 - Princess Pine Lane/SR715 int</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 4' 21"</b> Longitude: <b>75° 16' 46"</b> Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date of Previous Precipitation: <b>8-24-2021</b> Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>48</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

**Foam built up in stagnant water areas.**

Were sample(s) collected of the dry weather flow? ☐ Yes ☒ No (If Yes, No. Samples: \_\_\_\_\_)

### FIELD / LABORATORY ANALYSIS

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

**Conveys unnamed tributary to Butz Run.**

### 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).

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

08/26/2021

Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>012 - Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 3' 57"</b>
	Longitude: <b>75° 14' 44"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate:    ☒ Trickle    ☐ Moderate    ☐ Significant    ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/26/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>013 - Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 55"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 42"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.78 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/26/2021 Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>014 - Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 3' 53"</b>
	Longitude: <b>75° 14' 40"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate:    ☒ Trickle    ☐ Moderate    ☐ Significant    ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

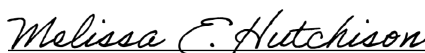
Does the dry weather flow contain an odor?    ☐ Yes    ☒ No    If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/26/2021                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>015 - Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 50"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 39"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Forest</b>	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, No. Samples: _____)					
<b>FIELD / LABORATORY ANALYSIS</b>					
<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>	<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>
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:					
<b>ILLICIT DISCHARGES</b>					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Pipe damaged on U.S. end, gravel build up present D.S.</b>					

<b>RESPONSIBLE OFFICIAL CERTIFICATION</b>	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/26/2021 Date















## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>016 - Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 48"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 40"</b>
<input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Forest</b>	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/26/2021  <hr/>                     Date  <hr/> </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>017 - Adj to 178 Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 46"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 41"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Pipe damage on U.S. Unable to locate pipe D.S.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/26/2021                      Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>018 - Adj to 192 Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 42"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 42"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>US pipe filled with sediment, unable to locate DS pipe.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <hr/> <div style="text-align: center;">                     08/26/2021                      _____                      Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>019 - Adj to 224 Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 3' 35"</b>
	Longitude: <b>75° 14' 45"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/26/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>020 - Adj to 232 Hallet Rd.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 3' 32"</b>
	Longitude: <b>75° 14' 46"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Pipe buried. Unable to verify pipe description.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/26/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>021 - 260 Wilke Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 37"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 21' 52"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Rock upstream and brush debris downstream.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/26/2021  <hr/>                     Date  <hr/> </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>022 - 260 Wilke Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 39"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 21' 48"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION


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

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <b>Conveys Pocono Creek</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/26/2021                      Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>023 - 223 Wilke Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 41"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 21' 40"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input checked="" type="checkbox"/> Other	Depth: <b>12</b> in Top Width: <b>84</b> in Bottom Width: <b>84</b>	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, No. Samples: _____)					
<b>FIELD / LABORATORY ANALYSIS</b>					
<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>	<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>
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:					
<b>ILLICIT DISCHARGES</b>					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					

<b>RESPONSIBLE OFFICIAL CERTIFICATION</b>	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/26/2021                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>024 - 257 Cobble Creek Dr.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Private Develop. Cobble Creek Estates</b>	Latitude: <u>41° 3' 37"</u>
	Longitude: <u>75° 20' 57"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>9-9-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>1.23 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

### FIELD / LABORATORY ANALYSIS

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

**Rock bed noted D.S. Outfall drains to residential property front entrance.**

### 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).

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

09/10/2021

Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>025 - 244 Cobble Creek Dr.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Private Develop. Cobble Creek Estates</b>	Latitude: <b>41° 3' 37"</b>
	Longitude: <b>75° 20' 56"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.78 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

### FIELD / LABORATORY ANALYSIS

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

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

08/27/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>026 - 183 Cobble Creek Dr.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Private Develop. Cobble Creek Estates</b>	Latitude: <u>41° 3' 28"</u>
	Longitude: <u>75° 20' 37"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.78 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>24</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

### FIELD / LABORATORY ANALYSIS

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

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

08/27/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>027 - 169 Cobble Creek Dr.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Private Develop. Cobble Creek Estates</b>	Latitude: <u>41° 3' 30"</u>
	Longitude: <u>75° 20' 33"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.78 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>24</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

### FIELD / LABORATORY ANALYSIS

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

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

08/27/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>028 - 120 Cobble Creek Dr.</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: <b>Private Develop. Cobble Creek Estates</b>	Latitude: <u>41° 3' 37"</u>
	Longitude: <u>75° 20' 25"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-24-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.78 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

### FIELD / LABORATORY ANALYSIS

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

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

08/27/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>029 - 1586 Sullivan Trail</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 30"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 20' 24"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

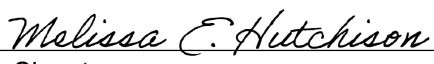
Does the dry weather flow contain color? ☐ Yes ☐ No If Yes, provide a description below.

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

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

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

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">   <hr/>                     Signature                      08/27/2021  <hr/>                     Date                 </div>











## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>030 - 1570 Sullivan Trail</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 34"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 20' 21"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Upstream grate filled with leaves and gravel debris.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <div style="text-align: center;">                     08/27/2021  <hr/>                     Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>031 - 139 Camelback Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 06"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 19' 56"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>18" RCP U.S. filled with sediment, combined with 24" HDPE.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <div style="text-align: center;">                     08/27/2021  <hr/>                     Date                 </div>











## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>032 - 145 Camelback Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 06"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 19' 53"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
ILLCIT DISCHARGES					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Unable to verify pipe discharge location across the street.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/27/2021  <hr/>                     Date  <hr/> </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 27, 2021</b>	Outfall ID No.: <b>033 - 103 Camelback Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 07"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 19' 45"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-24-2021</b>
	Amount of Previous Precipitation: <b>0.78 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/27/2021                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>034 - 103 Camelback Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 07"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 19' 42"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Rock build up. D.S. depression unable to verify outfall location.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/31/2021                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>035 - Faber Circle</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <u>41° 2' 37"</u>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <u>75° 18' 18"</u>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>24</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Leaf debris noted U.S. and D.S.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     09/10/2021                      Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>036 - 171 Faber Circle</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 42"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 18' 9"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

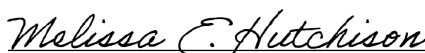
Does the dry weather flow contain an odor? ☐ Yes ☐ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/31/2021                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>037 - 205 Faber Circle</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 46"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 59"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/31/2021  <hr/>                     Date  <hr/> </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>038 - 135 Pin Oak Lane</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 12"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 33"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

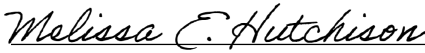
Does the dry weather flow contain an odor? ☐ Yes ☒ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, No. Samples: _____)					
<b>FIELD / LABORATORY ANALYSIS</b>					
<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>	<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>
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:					
<b>ILLICIT DISCHARGES</b>					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					

<b>RESPONSIBLE OFFICIAL CERTIFICATION</b>	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/31/2021 Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>039 - 102 Salzer</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 46"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 45"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/31/2021                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>040 - 4242 Cherry Lane Church Rd</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>41° 3' 46"</u> Longitude: <u>75° 16' 26"</u> Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date of Previous Precipitation: <b>8-29-2021</b> Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>48</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☒ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



Were sample(s) collected of the dry weather flow? ☐ Yes ☒ No (If Yes, No. Samples: \_\_\_\_\_)

### FIELD / LABORATORY ANALYSIS

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

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

### ILLCIT 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:

**Conveys unnamed tributary to Cranberry Creek.**

### 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).

LVL Engineering Group

Responsible Official Name

610-419-9407

Telephone No.

*Melissa E. Hutchison*

Signature

08/31/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>041 - 235 Abeel Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <u>41° 3' 22"</u>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <u>75° 16' 18"</u>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input checked="" type="checkbox"/> Open Channel	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: <u>8</u> in Top Width: <u>72</u> in Bottom Width: <u>72"</u>	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <b>Conveys Bulgers Run.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 08/31/2021 Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>042 - 120 Bon Sher Drive</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <u>41° 3' 5"</u>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <u>75° 16' 35"</u>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input checked="" type="checkbox"/> Open Channel	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input checked="" type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: <u>48</u> in Top Width: <u>168</u> in Bottom Width: <u>168</u>	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Conveys unnamed tributary to Bulgers Run.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/31/2021                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>043 - 573 Cherry Lane Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 43"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 59"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/31/2021                      Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>044 - 653 Cherry Lane Road</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 2' 36"</b>
	Longitude: <b>75° 16' 2"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
ILLCIT DISCHARGES					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>U.S. and D.S. pipe noted with soil build up.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     08/31/2021  <hr/>                     Date  <hr/> </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>045 - 515 Cherry Lane Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 30"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 5"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>U.S. and D.S. pipe noted with sediment build up.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     08/31/2021                      Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>August 31, 2021</b>	Outfall ID No.: <b>046 - 515 Cherry Lane Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 24"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 09"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>8-29-2021</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

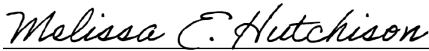
Does the dry weather flow contain an odor? ☐ Yes ☐ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Unable to verify pipe condition on U.S. grate. D.S. pipe has sediment build up</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <hr/> <div style="text-align: center;">                     08/31/2021                      _____                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>047 - 5 Beechwood Lane</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 21"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 20"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Sediment build up in U.S. pipe. D.S. pipe partially submerged in water.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>048 - 452 Cherry Lane Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 12"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 17"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Foam insulation spray around U.S. pipe.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <hr/> <div style="text-align: center;">                     09/10/2021                      _____                      Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>049 - 431 Cherry Lane Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 08"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 21"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, No. Samples: _____)					
<b>FIELD / LABORATORY ANALYSIS</b>					
<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>	<b>PARAMETER</b>	<b>RESULTS</b>	<b>UNITS</b>
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:					
<b>ILLICIT DISCHARGES</b>					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Unable to verify location of D.S. pipe. Permission required to access backyard.</b>					

<b>RESPONSIBLE OFFICIAL CERTIFICATION</b>	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-416-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     09/10/2021                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>050 - 758 Cranberry Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 39"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 15"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>Sediment build up at U.S. and D.S. pipes.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>051 - 767 Cranberry Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 35"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 14"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

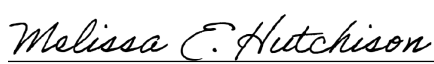
Does the dry weather flow contain an odor? ☐ Yes ☐ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                 Signature  <hr/>                 09/10/2021  <hr/>                 Date  <hr/> </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>052 - 754 Cranberry Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 34"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 13"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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: <b>Leaf and sediment build up present.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>053 - 2780 Rimrock Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 0' 13"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 16' 47"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>1200</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☒ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Conveys Pocono Creek.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     09/10/2021  <hr/>                     Date  <hr/> </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>054 - 2975 Bartonsville Ave</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>41° 0' 47"</u>
	Longitude: <u>75° 17' 25"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input checked="" type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>72</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
ILLCIT DISCHARGES					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Conveys Pocono Creek.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <hr/> <div style="text-align: center;">                     09/10/2021                      _____                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>055 - 3180 - PA 0611</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 10"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 49"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>1.23 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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:					
<b>D.S. unable to access Private Property. U.S. pipe dry.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>056 - 3160 - PA 0611</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 12"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 50"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>1.23 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

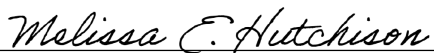
Does the dry weather flow contain an odor? ☐ Yes ☒ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Unable to verify D.S. pipe on Private Property. U.S. grate covered with rocks.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">   <hr/>                     Signature                      09/10/2021  <hr/>                     Date                 </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>057 - 3152 - PA 0611</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>41° 1' 15"</b>
	Longitude: <b>75° 17' 51"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <div style="text-align: center;">                     09/10/2021  <hr/>                     Date                 </div>





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>058 - 3101 - PA 0611</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 26"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 54"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>1.23 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input checked="" type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>168</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☒ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Conveys Cranberry Creek.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No.	<div style="text-align: center;">                       _____                      Signature                 </div> <hr/> <div style="text-align: center;">                     09/10/2021                      _____                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>059 - 3054 - PA 0611</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 38"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 59"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <b>Conveys Bulgars Run.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>060 - 117 Fish Hill Road</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 2' 26"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 18' 19"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>48</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group. Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>061 - 350 Warner Road</b>
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>41° 1' 51"</u>
	Longitude: <u>75° 18' 13"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: <u>24</u> in Top Width: <u>324</u> in Bottom Width: <u>324</u>	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☒ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

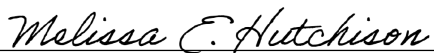
Does the dry weather flow contain an odor? ☐ Yes ☒ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <b>Conveys Pocono Creek.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>062 - 123 Shady Tree Dr.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <u>41° 3' 07"</u>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <u>75° 14' 24"</u>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: <u>24</u> in Top Width: <u>48</u> in Bottom Width: <u>48"</u>	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     09/10/2021                      Date                 </div>









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>063 - 3180 - PA 0611</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 1' 3"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 17' 46"</b>
<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☒ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

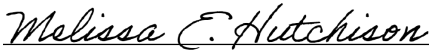
Does the dry weather flow contain an odor? ☐ Yes ☒ No If Yes, provide a description below.

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
<b>Unable to access D.S. pipe on Private Property.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group <hr/> Responsible Official Name <hr/> 610-419-9407 <hr/> Telephone No. <hr/>	<div style="text-align: center;">   <hr/>                     Signature  <hr/>                     09/10/2021  <hr/>                     Date  <hr/> </div>







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>064 - 1326 Cherry Lane Rd.</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 46"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 10"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
	Amount of Previous Precipitation: <b>1.23 in</b>
Inspector Name(s): <b>Wesley Swanson</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>36</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>065 - Adj to Cherry Wood Court</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 44"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 14' 05"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>1.23 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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: <b>Sediment build up at U.S. pipe.</b>					

RESPONSIBLE OFFICIAL CERTIFICATION	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	 Signature 09/10/2021 Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Pocono Township</b>	NPDES Permit No.: <b>PAI132270</b>
Date of Inspection: <b>September 10, 2021</b>	Outfall ID No.: <b>066 - Adj to Above ground Basin</b>
Land Uses in Outfall Drainage Area (Select All):	Latitude: <b>41° 3' 42"</b>
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential	Longitude: <b>75° 13' 58"</b>
<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Date of Previous Precipitation: <b>9-9-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>1.23 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

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

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

Description of Flow Rate: ☐ Trickle ☐ Moderate ☐ Significant ☐ N/A

### DRY WEATHER FLOW EVALUATION

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


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

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

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



Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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	
<p>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).</p>	
LVL Engineering Group Responsible Official Name 610-419-9407 Telephone No.	<div style="text-align: center;">                       Signature                 </div> <div style="text-align: center;">                     09/10/2021                      Date                 </div>







Minimum Control Measure #4  
Construction Site Stormwater Runoff Control



**Minimum Control Measure #4**

Construction Site Stormwater Runoff Control

Pocono Township

1630022

June 30, 2022

LVL Engineering Project No.	Project Name	Reporting Period	Area of Disturbance	Date of 1st Notification to Conservation District	NPDES Permit No.	Project Status
1330276R	Trap Enterprises Hotel Project Revised Land Development	Year 4 2021 - 2022	4.9 acres	1/20/2022	PAD450082	Under Construction
1830066R	Pocono Logistics Land Development	Year 1, 2, 3 2018 - 2021	< 1 acre	N/A	N/A	Constructed
1830072R	Turkey Hill Land Development	Year 1, 2, 3, 4 2018 - 2022	< 1 acre	N/A	N/A	Constructed
1830075R	Ardent Mills Land Development	Year 1, 2, 3 2018-2021	< 1 acre	N/A	N/A	Constructed
1930082R	BCRA Route 715 Watertank Land Development	Years 3, 4 2020-2022	7.4 acres	Applicant Submtted to Conservation District	Issued	Constructed, Pending As- Built Plan
1930083R	Sanofi Perimeter Protection	Years 1, 2	6.53 acres	Applicant Submtted to Conservation District	PAD450086	Under Review
1930088R	MCTA CNG Fueling Improvements	Years 1, 2, 3 2018 - 2020	< 1 acre	N/A	N/A	Constructed
1930089R	Northridge at Camelback Phase 1 (Phases 11-16) Land Development	Years 3, 4 2020-2022	44.01 acres	5/7/2021	PAD450049 A-1	Under Construction
1930089R	Northridge at Camelback Phase 2 (Phases 11-16) Land Development	Year 4 2021-2022	44.01 acres	12/13/2021	PAD450049 A-2	Under Review
1930090R	Sanofi Pasteur, Inc. - B-78 Seed Lab	Years 2, 3, 4 2019-2022	1.29 acres	Applicant Submtted to Conservation District	PAD450114	Under Review
2030102R	Lot 60 Laurel Loop Grading Permit	Year 2	< 1 acre	N/A	N/A	Constructed
2030104R	Lindenmere Sports Art Center	Years 2, 3, 4 2019-2022	5.73 acres	Applicant Submtted to Conservation District	PAD450127	Under Construction
2030105R	Sanofi Pasteur, Inc.- B-85 Solid Waste and Recycling Building	Years 2, 3, 4 2019-2022	2.52 acres	6/19/2020	PAD450114	Under Construction
2030114R	Great Wolf Lodge Villas Land Development	Years 3, 4 2020-2022	29 acres	9/23/2021	PAD450147	Under Construction
2030115R	Swiftwater Solar Land Development	Years 3, 4 2020-2022	473 acres	6/9/2021	PAD450151	Under Review
2030117R	Lot 5 Cherry Lane road Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Constructed
2030122R	Barley Creek Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Constructed
2130125R	54 Scotrun Estates Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Approved Pending Construction
2130127R	25 Moss Drive Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Approved Pending Construction
2130128R	Lot 9 Coach Road Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Constructed
2130133R	Camelback Zip Flyer Grading Permit	Years 3, 4 2020-2022		Applicant Submtted to Conservation District	PAD450132	Approved Pending Construction

2130138R	173 Hillside Drive Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Approved Pending Construction
2130141R	Core5 Warehouse (Warner Road) Land Development	Years 3, 4 2020-2022	67.5 acres	4/22/2021	Pending	Under Review
2130142R	Cranberry Road Grading Permit	Years 3, 4 2020-2022	< 1 acre	Applicant Submitted to Conservation District	Adequacy Letter dated 7/21/2021	Under Construction
2130144R	Lot 10 Owl Hollow Drive Grading Permit	Years 3, 4, 5 2020-2022	< 1 acre	N/A	N/A	Constructed
2130146R	Stadden Group, LLC	Years 4, 5 2021-2023	13.7 acres	9/23/2021	Pending	Under Review
2130147R	135 Tannenbaum Way Grading Permit	Years 3, 4 2020-2022	< 1 acre	N/A	N/A	Constructed
2130148R	4183 Cherry Lane Church Road Grading Permit	Years 3, 4, 5 2020-2022	< 1 acre	N/A	N/A	Constructed
2130150R	Cranberry Creek Apartments Land Development	Years 4, 5 2022-2023	> 1 acre	7/20/2022	Pending	Under Review
2130151R	Murphy Lot 84-A Northridge at Camelback Grading Permit	Year 3	< 1 acre	N/A	N/A	Under Review
2130154R	The Ridge Land Development	Years 4, 5 2022-2023	> 1 acre	Pending	Pending	Under Review
2130155R	Lot 43 Mountain View Drive Grading Permit	Year 4 2021-2022	< 1 acre	N/A	N/A	Under Review
2130156R	Camelback Rallyracer Slide Grading Permit	Year 4 2021-2023	4.37 acres	8/18/2021	PAD450046 A-2	Approved Pending Construction
2130157R	Sanofi Pasteur, Inc. - B-55 VDL2 Loading Dock Addition Land Development	Year 4 2021-2022	> 1 acre	8/5/2021	PAD450114 A-1	Approved Pending Construction
2130164R	Incline Village Grading Permit	Year 4 2021-2022	< 1 acre	N/A	N/A	Approved Pending Construction
2130167R	3305 Bartonville LLC Grading Permit	Year 4 2021-2022	< 1 acre	N/A	N/A	Under Review
2130168R	Sanofi Pasteur, Inc. - B-83 Cold Storage Building	Year 4 2021-2022	0.15 acres	11/16/2021	PAD450114 Under Review	Under Review
2130171R	414 Alpine Lake Road Grading Permit	Year 4 2021-2022	< 1 acre	N/A	N/A	Approved Pending Construction
2130172R	Camelback Sullivan Lift Replacement Grading Permit	Year 4 2021-2022	> 1 acre	1/17/2022	PAD450156	Approved Pending Construction
2130173R	Steele's Warehouse Building Addition Land Development	Year 4 2021-2022	< 1 acre	N/A	N/A	Approved Pending Construction
2230174R	330 Learn Road, Westhill Villas Land Development	Year 4 2021-2022	> 1 acre	2/25/2022	Pending	Under Review
2230177R	518 Williams Lane Grading Permit	Year 4 2021-2022	< 1 acre	N/A	N/A	Under Review
2230178R	Grossi Major Subdivision	Year 4 2021-2022	4.69 acres	3/10/2022	Pending	Under Review
2230179R	Tannersville Inn Site (Wawa) Land Development	Year 5 2022-2023	2.56 acres	8/2/2022	Pending	Under Review
2230182R	Camelback Nile Mile Snowmaking Line Grading Permit	Year 4 2021-2022	2.4 acres	5/12/2022	PAD450046 A-5	Approved Pending Construction

2230183R	Cherry Lane Road & White Oak Drive Grading Permit	Years 4, 5 2022-2023	< 1 acre	N/A	N/A	Approved Pending Construction
2230185R	1328 Golden Slipper Road Land Development	Year 4	> 1 acre	7/27/2022	Pending	Under Review
2230186R	Panczak, Cobble Creek Grading Permit	Years 4, 5 2022-2023	< 1 acre	N/A	N/A	Under Review
2230187R	2162 Deerfield Way Grading Permit	Years 4, 5 2022-2023	< 1 acre	N/A	N/A	Under Review
2230191R	Sanofi Pasteur, Inc. - B-87 Line 10 Building	Years 4, 5 2022-2023	1.87 acres	7/19/2022	Pending	Under Review
2230193R	Core 5 Warehouse (Stadden Road) Land Development	Years 4, 5 2022-2023	> 1 acre	8/3/2022	Pending	Under Review





**Boucher & James, Inc.**  
CONSULTING ENGINEERS

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Fax 215-345-9401

2756 Rimrock Drive  
Stroudsburg, PA 18360  
570-629-0300  
Fax 570-629-0306

Mailing:  
P.O. Box 699  
Bartonsville, PA 18321

559 Main Street, Suite 230  
Bethlehem, PA 18018  
610-419-9407  
Fax 610-419-9408

[www.bjengineers.com](http://www.bjengineers.com)

January 20, 2022

Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: TRAP ENTERPRISES HOTEL PROJECT  
REVISED PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
COMPLETENESS REVIEW  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
POCONO TOWNSHIP LDP NO. 1277, B&J PROJECT NO. 1330276B**

Dear Planning Commission Members:

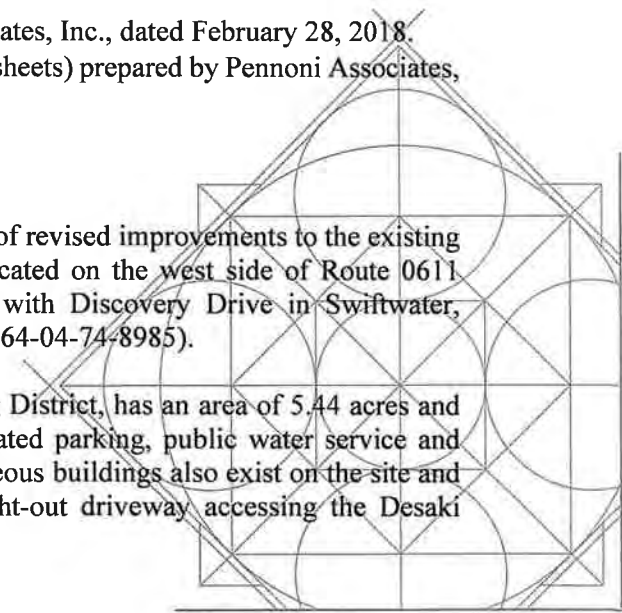
Pursuant to the Township's request, we have completed a completeness review of the Trapasso Enterprises Hotel Project Revised Preliminary/Final Land Development Plan Application. The submitted information consists of the following items.

- Letter of Transmittal prepared by Pennoni Associates, Inc., dated January 11, 2022.
- Pocono Township Land Development Application.
- Pocono Township Plan Receipt Checklist.
- Cover letter prepared by Pennon, dated January 11, 2022.
- Subdivision and Land Development Modification Request Letter prepared by Pennoni Associates, Inc., dated January 10, 2022.
- Pennsylvania Department of Transportation Highway Occupancy Permit No. 05054497, issued March 9, 2018 and supplemented October 8, 2021, expires September 9, 2022.
- Pennsylvania Department of Transportation Highway Occupancy Permit No. 05054498, issued March 9, 2018 and supplemented October 6, 2021, expires September 9, 2022.
- Post Construction Stormwater Management Report prepared by Pennoni Associates, Inc., dated February 15, 2013, revised January 10, 2022.
- Highway Occupancy Permit Plans prepared by Pennoni Associates, Inc., dated February 28, 2018.
- Trapasso Hotel Preliminary/Final Land Development Plan (29 sheets) prepared by Pennoni Associates, Inc., dated January 10, 2022.

**BACKGROUND INFORMATION**

Pennoni Associates, Inc. has submitted the above items in support of revised improvements to the existing Desaki Restaurant property owned by Trap Enterprises, LLC, located on the west side of Route 0611 approximately 1,000 feet (0.2 miles) south of the intersection with Discovery Drive in Swiftwater, Pennsylvania (Tax Parcel Number 12/11/1/8-3, PIN Number 12-6364-04-74-8985).

The existing property is located within the C, Commercial Zoning District, has an area of 5.44 acres and consists of an existing 11,162 square foot restaurant with associated parking, public water service and private septic system. An existing dwelling and several miscellaneous buildings also exist on the site and will be removed. In addition, there is an existing right-in, right-out driveway accessing the Desaki



Restaurant's parking lot and a separate driveway accessing the existing dwelling. The remainder of the site consists of steep slope areas and existing woodlands.

Trap Enterprises, LLC. proposes to construct a five (5) story, 100 room hotel on the property. The proposed hotel will have a 12,028 square foot footprint. The existing parking area is proposed to be improved and expanded. The existing right-in, right-out driveway will be removed and a thirty-four foot (34') wide driveway is proposed along the western property line and will be aligned with Laurel Drive. Public water and sewer services are proposed for the existing restaurant and proposed hotel.

The property is located within the Brodhead Creek watershed with Scot Run as the receiving stream. Scot Run has a Chapter 93 Classification of High Quality (HQ), Cold Water Fishery (CWF) with Migratory Fishes (MF). In addition, the Brodhead Creek watershed is classified as a High Quality (HQ), Cold Water Fishery watershed. The proposed land development is a regulated activity in the Brodhead/McMichael Creek Stormwater Management Ordinance.

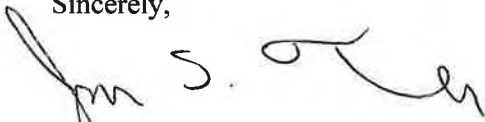
The project received Conditional Final Land Development approval at the Township Board of Supervisors meeting held on July 7, 2014. A revised plan was subsequently submitted in 2017 to incorporate improvements of the Pennsylvania Department of Transportation along State Route 0611.

The current revised plan proposes to relocate the proposed hotel approximately 40-feet west toward the rear property line, reconfigure the parking lot and increase the number of parking spaces by twenty-three (23), and to propose a subsurface stormwater basin. The response letter indicates the proposed changes are "to better accommodate the hotel and restaurant's parking needs and circulation."

Based upon our review, we recommend the Planning Commission accept the Preliminary/Final Land Development Plan for review, providing all other requirements have been met including, but not limited to, formal written applications and application fees with establishment of an escrow to cover the costs of review.

If you should have any questions regarding the above, please call me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Taylor Munoz – Township Manager  
Judith Acosta – Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
Thomas Serpico, P.E., Pennoni Associates, Inc. – Applicant's Engineer  
Vincent Trapasso, Trapasso Enterprises, Inc. – Property Owner/Applicant  
Lori Kerrigan – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.



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Fax 570-629-0306

Mailing:  
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Bartonsville, PA 18321

559 Main Street, Suite 230  
Bethlehem, PA 18018  
610-419-9407  
Fax 610-419-9408

[www.bjengineers.com](http://www.bjengineers.com)

December 13, 2021

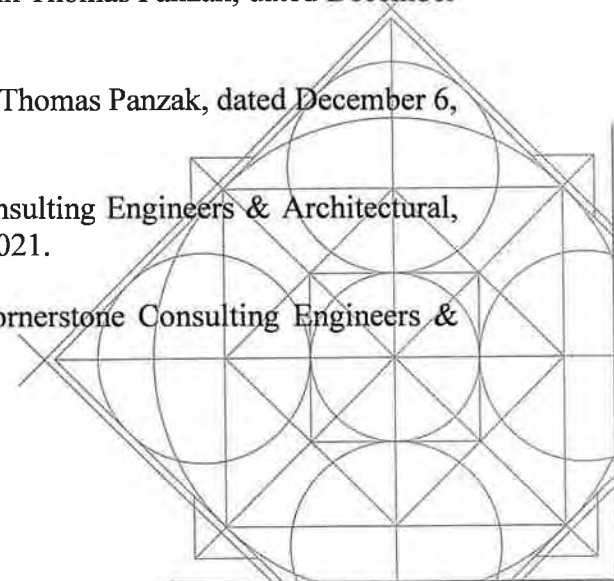
Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: NORTHRIDGE AT CAMELBACK PHASES 11-16, PHASE 2 – HUNTER CIRCLE  
PRELIMINARY LAND DEVELOPMENT PLAN – PLANNING REVIEW NO. 2  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 1930089R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed a planning review of the Preliminary Phase 2 Land Development Plan Application for Northridge at Camelback Phases 11-16. The submitted information consists of the following items.

- Cover letter prepared by Cornerstone Consulting Engineers & Architectural, Inc., dated December 7, 2021.
- Conceptual Fire Protection System Layout prepared by South Jersey Environmental Consultants, LLC, dated October 29, 2021.
- Stormwater Report prepared by Cornerstone Consulting Engineers & Architectural, Inc., dated December 3, 2021.
- Site Work Foundation Plan (3 sheets) prepared by Minno Wasko Architects and Planners, dated November 30, 2021.
- Phase II Landscape Plan (2 sheets) prepared by Glackin Thomas Panzak, dated December 6, 2021.
- Phase II Lighting Plan (2 sheets) prepared by Glackin Thomas Panzak, dated December 6, 2021.
- PCSM Plan (19 sheets) prepared by Cornerstone Consulting Engineers & Architectural, Inc., dated October 19, 2018, revised November 29, 2021.
- Land Development Plan (15 sheets) prepared by Cornerstone Consulting Engineers & Architectural, Inc., dated October 19, 2018.





## **BACKGROUND INFORMATION**

The existing property is located on the northern side of Lower and Upper Deer Valley Roads approximately 2,000 feet west of the intersection with Camelback Road. The property is bordered to the north by Wilke Road. The property is located within the PRD, Planned Residential Development Zoning District, has a gross area of 125.88 acres, and consists of an existing residential development.

Phases 11-16 of the Northridge at Camelback Planned Residential Development with 170 dwelling units previously received approval by Pocono Township. This submission is Phase 2 of a plan revision to Phases 11-16 which includes the following new and revised development.

1. Seventy-three (73) dwelling units along Upper and Lower Deer Valley Roads will remain as tax parcels and will not be constructed at this time. Sixteen (16) units along Upper Deer Valley Road have been constructed.
2. Construction of four (4) multi-dwelling unit buildings having a total of 38 units along Hunter Circle. In addition, 7 townhome units will also be constructed along Hunter Circle. Seven (7) townhomes are existing. Another four (4) units located within Building 12 will be part of a future phase.
3. Parking area 'C' along Hunter Circle.
4. A pool building, pool, and Parking Area 'B' will be constructed along Hunter Circle.
5. Lot 582 appears to include a single-family residential dwelling; however, it is proposed to grade this lot only. No construction is proposed at this time.
6. Curbing will be installed along portions of Hunter Circle.

The construction of 24 townhouse units along Holly Court have been previously approved as Phase 1.

A total of 169 dwelling units (proposed and constructed) are shown on the Phases 1 and 2 Land Development Plans. This is less than what was shown on the previously approved plan. Water and sewer services exist per the previously approved plan.

The proposed townhomes, multifamily buildings, and pool are permitted by-right within the RD, Recreational District.

The project is located within the McMichaels Creek Watershed and discharges stormwater into several streams: Pocono Creek which has a Chapter 93 Classification of High Quality, Cold Water Fishery with Migratory Fishes (HQ-CWF, MF), unnamed tributaries to Pocono Creek which have Chapter 93 Classifications of High Quality, Cold Water Fishery with Migratory Fishes (HQ-CWF, MF), and Wolf Swamp Run which has a Chapter 93 Classification of Exceptional Value with

Migratory Fishes (EV, MF).

The Land Development Plan was received for review by the Township on April 27, 2021 and was accepted for review by the Planning Commission at its meeting held on May 10, 2021. Per Section 470-97.B.(9)(a) of the Zoning Ordinance, the Board of Commissioners must act on the plan within 180 days from the date of application. The Applicant has waived the review period until January 10, 2021. Therefore, the Board of Commissioners must act on the plan by their January 3, 2021, meeting, unless a time extension is received.

The following comments are related to planning items included in the Zoning and Subdivision and Land Development Ordinances and contained in our previous letter dated June 10, 2021. All technical and drafting comments have been removed and review of those items will be completed and provided under separate cover.

Based on our review of the above information, we offer the following comments and/or recommendations for your consideration.

#### **ZONING ORDINANCE COMMENTS**

1. In accordance with Section 470-34.A, a commercial swimming pool requires four (4) parking spaces for each 100 square feet of swimming area plus one (1) for each employee. *Parking area calculations shall be provided on the plan to confirm the required and provided number of parking spaces. (Previous Comment 1) As previously commented in our Zoning Modification Requests letter dated November 22, 2021, the Applicant's engineer indicated a zoning determination was received, that did not require separate parking spaces for the proposed pool was made. The written zoning determination shall be provided to our office, and that determination shall be referenced with the Phase 2 Parking calculation on the Overall Project Plan (Sheet 3).*
2. In accordance with Section 470-91, "in the case of a development plan calling for the installation of improvements beyond the five-year period, a schedule shall be filed by the landowner with the development plan delineating all proposed sections as well as deadlines within which applications for final approval of each section are intended to be filed. Yearly updating of the schedule shall be completed by the landowner on or before the anniversary of the tentative plan approval until final approval of the final section has been granted. Any modifications in the aforesaid schedule shall be subject to approval of the Board of Commissioners of Pocono Township." *(Previous Comment 4) The submitted plan is labeled as Phase 2 Land Development Plans for Hunter Circle, Northridge at Camelback Phases 11-16. Previous phases have been constructed and Building 12 is now shown as a future phase. The Applicant shall address any future phases and a development timeline and phasing plan per Section 470-98.B.(2)(b)[2][v] shall be submitted.*
3. In accordance with Section 470-93.A, "the locations and approximate submittal dates for each phase shall be clearly set forth on the plan submitted for tentative approval". In addition, and

per Sections 470-93.B and 470-93.C, “A minimum of 20% of the total number of residential lots and/or dwelling units in the planned residential development shall be included in the first phase”, and “the second and subsequent phases must be completed consistent with the development phasing plan and must be of such size and location that they constitute economically sound units of development”. ***(Previous Comment 5) The submitted plan is labeled as Phase 2 Land Development Plans for Hunter Circle, Northridge at Camelback Phases 11-16. Previous phases have been constructed and Building 12 is now shown as a future phase. The Applicant shall address any future phases, and a development timeline and phasing plan per Section 470-98.B.(2)(b)[2][v] shall be submitted.***

4. In accordance with Section 470-96.C, “the percentage of the planned residential development site which is to be covered by buildings, roads, parking areas and other impermeable cover shall not exceed 33% of the total site area”. ***The percent of impervious cover for the total site area during the existing, proposed, and future construction shall be listed on the plan. (Previous Comment 6) The impervious cover data shall still be provided on the plan as required.***
5. In accordance with Sections 470-96.D, 470-98.B.(2)(b)[2][m][viii], and 470-98.B.(2)(b)[2][t], the percentage of the planned residential development site to be devoted to common open space shall not be less than 25% of the total site area. The plan shall include the proposed location, size and use of common open space areas and recreation facilities where applicable. All common open space shall comply with Sections 470-99.A and 470-99.F. ***The submitted plan is labeled as Phase 2 Land Development Plans for Hunter Circle, Northridge at Camelback Phases 11-16. Previous phases have been constructed. Common open space shall be addressed, and the areas of existing, proposed, and future open space shall be shown on the plan. The areas (in square feet) and related percentages shall also be provided. (Previous Comment 7) The open space data shall still be provided on the plan as required.***
6. In accordance with Section 470-96.E, “adequate, safe and convenient pedestrian and vehicular circulation facilities, including roadways, driveways, off-street parking and loading, sidewalks, malls and landscape areas, to serve the development shall be provided”. Per Section 470-103.G.(1), sidewalks and crosswalks shall be a minimum of four (4) feet wide and shall be constructed of Portland cement concrete of at least four inches thick underlain by four inches of compacted cinder, gravel, or crushed stone. Sidewalks at driveway crossings shall be at least six inches thick reinforced and underlain by four inches of compacted cinder, gravel, or crushed stone. ***Sidewalks and landscaping with associated details and notes are required and the plan shall be revised accordingly. (Previous Comment 8) A Zoning Modification Request was submitted, and the Planning Commission recommended approval to the Board of Commissioners, at its meeting held on November 22, 2021.***
7. In accordance with Section 470-96.H.(2), “building group may not be so arranged that a temporary or permanently inhabited building is inaccessible by emergency vehicles”. ***The layout and type of residential units has changed from the previously approved plan, and a swimming pool is now proposed. (Previous Comment 10) The plan shall be provided to the***



***Fire Chief and other emergency services, for their review and comment.***

8. In accordance with Section 470-96.M, “any proposed planned residential development shall require submission of an impact analysis, which shall include an environmental impact study and a community impact study. The community impact study shall include a market study, traffic impact analysis, service impact and analysis of compatibility with local ordinances and plans. The proposed planned residential development shall also satisfy any other requirements set forth by the Commissioners, after submission of the tentative plan, to ensure that the health, safety and general welfare of the adjoining property owners and citizens of Pocono Township are protected to the fullest extent.” ***The required impact analysis shall be submitted. (Previous Comment 11) A Zoning Modification Request was submitted, and the Planning Commission recommended approval to the Board of Commissioners, at its meeting held on November 22, 2021.***
9. In accordance with Section 470-98.B.(1)(b), “a site plan and other drawings showing the overall density, impervious surface ratio, and open space ratio, and the density of the land use to be allocated to various portions of the site to be developed, the location and size of the common open space, the use, approximate height, bulk, and location of buildings and other information including building elevations, planting plan schedule, provisions for parking vehicles, and location and width of streets and public ways”. ***The proposed impervious surface and open space ratios, the location of common open space, building elevations, and landscaping shall be provided on the plan. (Previous Comment 12) The impervious cover, open space data, and building elevations, shall still be provided as required. Also refer to Comments 4, 5, and 14.***
10. In accordance with Sections 470-98.B.(1)(d), 470-98.B.(2)(c)[9][b], and 470-101.C.(1), “if water is to be provided by means other than by private wells owned and maintained by the individual owners of lots within the PRD, evidence shall be presented that the planned residential development is to be supplied by a certificated public utility, a bona fide cooperative association of lot owners, or by a municipal corporation, authority or utility. A copy of a certificate of public convenience from the Pennsylvania Public Utility Commission or an application for such certificate, a cooperative agreement, or a commitment or agreement to serve the area in question, whichever is appropriate, shall be acceptable evidence. If only an application for a certificate of public convenience from the Pennsylvania Public Utility Commission is provided, tentative approval shall be conditioned upon the applicant obtaining a certificate of public convenience.” The submission shall also include the acknowledgement of approval of the proposed points of connection and general location of mains and service laterals. In addition, and in accordance with Section 470-102.E, “all sewage disposal and water supply systems proposed to serve said developments shall comply with the Pennsylvania Department of Environmental Protection requirements or the requirements set forth in Chapter 390, Subdivision and Land Development”. ***We understand that the development’s water main and water service laterals have been constructed with previous phases. The Applicant shall address the provider of the water service and any agreements that the HOA may have with that provider. (Previous Comment 13) A will-serve letter shall be provided.***

11. In accordance with Section 470-98.B.(2)(b)[2][i], the plan shall include “topographic information and identification of steep slopes differentiating between slopes from 15% to 20% and then all slopes greater than 20%. The extent of existing tree masses shall also be clearly shown”. *The existing steep slopes shall be delineated on the plan with areas (in square feet and acres) of each category listed. (Previous Comment 18) A Zoning Modification Request was submitted, and the Planning Commission recommended approval to the Board of Commissioners, at its meeting held on November 22, 2021.*
12. Previous comment 21 satisfied.
13. Previous comment 22 satisfied.
14. In accordance with Section 470-98.B.(2)(b)[2][x], the plan submission shall include “architectural concept drawings, photographs or pictures that demonstrate the architectural guidelines are to be submitted of each proposed structure type to demonstrate the vision of the planned residential development”. *Notations on the land development plan reference architectural plans. (Previous Comment 23) Architectural plans and standards shall be submitted for the Township’s review.*
15. In accordance with Section 470-98.B.(2)(b)[2][y], the plan submission shall include “urban design concept diagrams that graphically depict the planning principles expressed in this chapter as such have been applied in the development plan. The diagrams may be prepared at any appropriate scale and should illustrate the planning relationships of the common areas and streetscape to residential areas, sites for public and semipublic uses, community clubs and facilities, internal and peripheral open space, vistas and focal points, interconnections with the existing street and sidewalk system, buffers areas, and similar features of the plan.” *Urban design concept diagrams shall be provided. (Previous Comment 24) A Zoning Modification Request was submitted, and the Planning Commission recommended approval to the Board of Commissioners, at its meeting held on November 22, 2021.*
16. In accordance with Sections 470-98.B.(2)(c)[5] and 470-99.G, the plan shall include “a description of the use and improvement of common open space throughout the tract, and the means by which the landowner will guarantee its continuity and maintenance”. “The ownership, administration and maintenance of common open space shall be arranged to be in accordance with one or more” criteria listed in Sections 470-99.H through 470-99.L. *The existing, proposed, and future open space shall be addressed. (Previous Comment 26) The existing, proposed, and future open space shall be addressed. Also refer to Comments 5 and 9.*
17. In accordance with Section 470-98.B.(2)(c)[7], the plan shall include “the ratio of vehicle parking spaces to dwelling units proposed”. *The required parking space to dwelling unit ratio shall be provided on the plan. (Previous Comment 27) The ratio shall still be provided on the plan.*

18. In accordance with Sections 470-98.B.(2)(c)[9][a], 470-101.C.(1), and 390-52.G.(2), Appropriate sewer authority. The submission shall include an acknowledgment of intent to provide service to the planned residential development and approval of the proposed points of connection and general location of mains and service laterals. Requirements for improvements to existing infrastructure and terms and conditions for easements shall be determined. In addition, and in accordance with Section 470-102.E, “all sewage disposal and water supply systems proposed to serve said developments shall comply with the Pennsylvania Department of Environmental Protection requirements or the requirements set forth in Chapter 390, Subdivision and Land Development”. *We understand that the sanitary sewer main and laterals were constructed with a previous phase. The Applicant shall provide proof that capacity is available for the proposed sanitary sewage disposal. Any associated agreements shall be provided and/or addressed. (Previous Comment 28) Proof of sewage capacity with any associated agreements, shall be provided and/or addressed.*
19. In accordance with Section 470-100.B.(6)(a), “all applicants proposing any planned residential development requiring the installation of improvements as required herein or promised shall be required to enter into a legally binding development agreement with the Township of Pocono guaranteeing the installation of the improvements in accordance with all Township requirements prior to final approval of the planned residential development. The development agreement (a form of which may be obtained from the Township) shall be in a form suitable for execution by the Board of Commissioners and it shall consist of the following, where applicable”, and listed in Subsections [1] through [15]. *(Previous Comment 30) A construction cost estimate shall be submitted for review, and a developer’s agreement must be completed prior to plan recordation.*
20. In accordance with Section 470-101.B.(1), “Soil protection. If required by regulations of the Department of Environmental Protection, an applicant shall submit, as part of the application for final approval, an erosion and sedimentation control plan prepared by a person trained and experienced in erosion and sedimentation control methods and techniques as provided for under Title 25 Rules and Regulations, Chapter 102, issued by the Department of Environmental Protection. Such plans shall be submitted by the applicant to the Monroe County Soil and Water Conservation District for review and recommendation of the District Directors. Two copies of the erosion and sedimentation control plan with any required approval or permit by the appropriate agency shall be submitted to the Township Commissioners with the application for final approval. Regardless of the requirements of the Department of Environmental Protection, if the planned residential development will require excavation or fill, the applicant shall be required to submit an erosion and sedimentation control plan prepared by a person trained and experienced in erosion and sedimentation control methods and techniques.” *(Previous Comment 31) A Major Modification of the existing NPDES Permit is required. The erosion and sedimentation control plans shall be provided with subsequent submission. In addition, all correspondences with, submissions to, and approval from the Monroe County Conservation District, shall be provided to the Township.*



21. In accordance with Sections 470-101.E.(14) and 470-103.H, the developer shall provide the planned residential development with adequate street signs at the intersections of all streets. Sign style and characteristics, i.e., color and lettering, shall be acceptable to the Board of Commissioners. *The location and details of street name signs shall be provided on the plan and accepted by the Board of Commissioners. (Previous Comment 33) The style and characteristics of the street name signs, including color and lettering, etc., shall be detailed on the plan for review by the Township. Also refer to Zoning Ordinance Comment 21.*
22. Previous comment 35 satisfied.
23. In accordance with Section 470-102.A.(3), “multifamily dwelling units shall contain a maximum of eight dwelling units in any one cluster; provided, however, that the foregoing limitation shall not apply where the structure is a Type I-A, I-B, II-A or II-B as set forth in the Building Code and fire protective measures are designed and constructed for said building in accordance with the provisions of Chapter 9 of the Building Code in which case the number of dwelling units in a multifamily building may not exceed the maximum number of units set forth in § 470-96B(1) and (2).” *Buildings 10, 11, and 13 each propose ten (10) units. The Applicant shall address the type of structure proposed as listed above or revise the buildings to provide a maximum of eight (8) dwelling units in each. (Previous Comment 36) This shall still be addressed.*
24. In accordance with Section 470-104.D, “parking areas containing more than eight spaces shall be located at least 30 feet from adjacent buildings and development streets and be isolated through the use of curbs, sidewalks, shrubs, lawn areas, earth berms, changes in grade or walls”. *Proposed Parking Areas ‘B’ and ‘C’ are located less than 30-feet from Buildings 10, 11, and 12, and the adjacent streets. Proposed Parking Areas ‘B’ and ‘C’ were not proposed with the previously approved plan. These areas shall be relocated and improved with sidewalks and landscaping to meet the requirements of this Section. (Previous Comment 41) A Zoning Modification Request was submitted, and the Planning Commission recommended approval to the Board of Commissioners at its meeting held on November 22, 2021. The approval was conditioned upon relocating Buildings 10, 11, and 12, so they are located a minimum of 20-feet from proposed parking areas. It appears this has been addressed, however, a dimension between Building 10 and the proposed parking area shall be provided on the Site Plan (Sheet 4), to confirm the separation.*

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

25. In accordance with Sections 390-16.F and 390-19.I, “no official action shall be taken by the Board of Commissioners until either the Township has received the comments of the Monroe County Planning Commission, or a period of 30 days has expired following transmittal of the preliminary plan to the County Planning Commission”. *(Previous Comment 43) Submission shall be made to the County Planning Commission, and comments received shall be provided to the Township.*

26. In accordance with Sections 390-16.G, 390-19.J, 390-29.J.(8)(a), and 390-52.A.(1), the Township shall concurrently make its decision on the sewage facilities planning module, and if approval is granted, the completed sewage planning documents shall be forwarded to the Pennsylvania Department of Environmental Protection. Preliminary plan approval shall be conditional upon Department of Environmental Protection sewage planning approval. In addition, and in accordance with Section 390-29.I.(6), “where community sewage service is proposed, the proposed layout of proposed sewage systems, including but not limited to the proposed locations of sewer mains and sewage treatment plants, showing the type and degree of treatment intended and the size and capacity of treatment facilities”. *We understand that the sanitary sewer main and laterals were constructed with a previous phase. The Applicant shall provide proof that capacity is available for the proposed sanitary sewage disposal. Any associated agreements shall be provided and/or addressed. (Previous Comment 44) Proof of sewage capacity with any associated agreements, shall be provided and/or addressed.*
27. Previous comment 46 satisfied.
28. In accordance with Section 390-29.G.(2), Existing Resources and Site Analysis.
- a. Previous comment 47.a satisfied.
  - b. Per Subsection (2), “topography, the contour lines of which shall generally be at two-foot intervals although ten-foot intervals are permissible beyond the parcel boundaries, interpolated from USGS published maps. The determination of appropriate contour intervals shall be made by the Planning Commission, which may specify greater or lesser intervals on exceptionally steep or flat sites. Slopes between 15% and 25% and exceeding 25% shall be clearly indicated. Topography for land developments shall be prepared by a professional land surveyor or professional engineer from an actual field survey of the site or from stereoscopic aerial photography and shall be coordinated with official USGS bench marks the location and datum of which shall be shown on the plan.” *The existing steep slopes shall be delineated on the plan. (Previous Comment 47.b) A Zoning Modification is requested from Zoning Ordinance Section 470-98.B.(2)(b)[2][i] that requires steep slope to be delineated on the plan. The Planning Commission recommended approval of this request to the Board of Commissioners, at its meeting held on November 22, 2021. Should this modification be granted by the Board of Commissioners, then this comment will no longer be applicable. Refer to Zoning Ordinance Comment 11.*
29. In accordance with Section 390-29.I.(1), the plan shall include “historic resources, trails and significant natural features, including topography, areas of steep slope, wetlands, one-hundred-year floodplains, swales, rock outcroppings, vegetation, existing utilities, and other site features, as indicated on the existing resources and site analysis”. *The areas of steep slopes shall be delineated on the plan. (Previous Comment 49) A Zoning Modification is requested from Zoning Ordinance Section 470-98.B.(2)(b)[2][i] that requires steep slope to be delineated on the plan. The Planning Commission recommended approval of this request*

***to the Board of Commissioners, at its meeting held on November 22, 2021. Should this modification be granted by the Board of Commissioners, then this comment will no longer be applicable. Refer to Zoning Ordinance Comment 11.***

30. In accordance with Section 390-29.I.(12), “where the applicant proposes to install the improvements in phases, he shall submit with the land development plan a delineation of the proposed sections and a schedule of deadlines within which applications for final approval of each section are intended to be filed”. ***(Previous Comment 54) The submitted plan is labeled as Phase 2 Land Development Plans for Hunter Circle, Northridge at Camelback Phases 11-16. Previous phases have been constructed and Building 12 is now shown as a future phase. The Applicant shall still address future phases of development and submit a development timeline and phasing plan. Also refer to Zoning Ordinance Comments 2 and 3.***
31. In accordance with Sections 390-29.J.(7), 390-52.A.(1), and 390-52.E.(4)(c), water supply information. In the case of individual on-lot wells, information documenting water table depth and potential for affecting the groundwater supply. ***We understand that the development’s water main and water service laterals have been constructed with previous phases. The Applicant shall address the provider of the water service and any agreements that the HOA may have with that provider. (Previous Comment 65) A will-serve letter shall be provided.***
32. In accordance with Sections 390-29.J.(10), 390-50.C, and 390-51.A, the submission shall include confirmation that the soil erosion and sedimentation control plan has been accepted for review by the Monroe County Conservation District. ***(Previous Comment 67) A Major Modification of the existing NPDES Permit is required. The erosion and sedimentation control plans shall be provided with subsequent submissions. In addition, all correspondences with, submissions to, and approval from the Monroe County Conservation District, shall be provided to the Township.***
33. In accordance with Section 390-29.K, “a community impact analysis including the following information shall be required for land developments containing 15 or more dwelling units or residential lots in the aggregate; all nonresidential developments (with the exception of agricultural development) with buildings containing in excess of 20,000 square feet of floor space in the aggregate; or development of any kind impacting 30 acres of land or more in the aggregate”. ***The required community impact analysis shall be provided. (Previous Comment 71) A Zoning Modification is requested from Zoning Ordinance Section 470-96.M that requires the submission of an impact analysis. The Planning Commission recommended approval of this request to the Board of Commissioners, at its meeting held on November 22, 2021. Should this modification be granted by the Board of Commissioners, then this comment will no longer be applicable.***
34. In accordance with Section 390-32.B, “no final plan shall be signed by the Board of Commissioners for recording in the office of the Monroe County Recorder of Deeds until:



- (1) All improvements required by this chapter are installed to the specifications contained in Article VI of this chapter and other Township requirements and such improvements are certified by the applicant's engineer; or
- (2) Proposed developer's agreements and performance guarantee in accord with § 390-35 and the Pennsylvania Municipalities Planning Code, Act 247 of 1968 as amended, have been accepted by the Board of Commissioners.

***(Previous Comment 73) An improvements guarantee, and developer's agreement is required prior to plan recordation. A construction cost estimate shall be submitted for review.***

35. In accordance with Section 390-43.A.(6)(e), "the purpose of steep slope regulations is to conserve and protect those areas having steep slopes from inappropriate development and excessive grading; to prevent potential dangers caused by erosion, stream siltation, and soil failure; and to promote uses in steep slope areas that are compatible with the preservation of existing natural features, including vegetative cover by restricting grading of steep slope areas." Per Section 390-43.A.(6)(e)[1][a], "steep slope area is defined and established as those areas having an original, unaltered slope of 20% or greater. The establishment of slopes shall be made by a topographic survey performed by a registered surveyor, or other means acceptable to the Township." ***Existing steep slope areas shall be delineated on the plan and shall be provided in accordance with Section 390-43.A.(6)(e)[2]. (Previous Comment 74) A Zoning Modification is requested from Zoning Ordinance Section 470-98.B.(2)(b)[2][i] that requires steep slopes be delineated on the plan. The Planning Commission recommended approval of this request to the Board of Commissioners, at its meeting held on November 22, 2021. Should this modification be granted by the Board of Commissioners, then this comment will no longer be applicable. Refer to Zoning Ordinance Comment 11.***
36. In accordance with Section 390-48.I, "roads that are extensions of, or obviously in alignment with, existing roads shall bear the names of the existing roads. Subdivision and road names shall not be repeated or be similar to those existing within the Township or adjacent areas; and all road names shall be subject to the approval of the Township for conformance with the enhanced 911 emergency call system. Road name signs of a design approved by the Township shall be installed by the developer at his expense at each road intersection." ***The location and details of street name signs shall be provided on the plan and accepted by the Board of Commissioners. (Previous Comment 81) The style and characteristics of the street name signs, including color and lettering, etc., shall be detailed on the plan for review by the Township. Also refer to Zoning Ordinance Comment 21.***
37. In accordance with Section 390-48.AA, "sidewalks and road crosswalks may be required where necessary to provide proper pedestrian circulation or to provide access to community facilities and common areas. Sidewalks, where required or provided, shall be located within the road right-of-way immediately adjacent to the curbs, except as may be approved by the Township to accommodate road trees or other landscaping. Sidewalks and road crosswalks shall be constructed in accord with the most current PennDOT RC67M standard and

*Americans with Disabilities Act standards.” Sidewalks are not proposed. Sidewalks are also required per Section 470-96.E of the Zoning Ordinance. The plan must be revised accordingly. (Previous Comment 91) A Zoning Modification is requested from Zoning Ordinance Section 470-96.E. The Planning Commission recommended approval of this request to the Board of Commissioners, at its meeting held on November 22, 2021. Should this modification of the Zoning Ordinance be granted by the Board of Commissioners, then this comment will no longer be applicable. Refer to Zoning Ordinance Comment 6.*

38. In accordance with Section 390-52.E.(4)(a), “each townhouse, apartment, commercial or industrial building in all subdivisions hereafter granted approval shall have an adequate supply of potable water for domestic use and an adequate supply of water for fire protection”. In addition,

a. In accordance with Section 390-52.E.(4)(f)[5], “Residential use.

[a] For purposes of fire protection of residential uses, the system shall be capable of providing fire-flow water for a minimum of two hours or not less than 1,000 gallons per minute for one- or two-family dwellings having a fire-flow calculation area not in excess of 3,600 square feet. Fire-flow and flow duration for dwellings having a fire-flow calculation area in excess of 3,600 square feet shall not be less than that specified in the then-current edition of the Pennsylvania Uniform Construction Code.

[b] A reduction in the required fire flow of 50% may be permitted when all buildings within a development are required to be provided with approved automatic sprinkler systems in accordance with the International Fire Code as adopted by the Pennsylvania Uniform Construction Code, as amended from time to time.”

b. In accordance with Section 390-52.E.(4)(f)[6], “Commercial or industrial use.

[a] For purposes of fire protection in commercial and industrial uses, the system shall be capable of providing fire-flow and flow duration based on the type of use, hazard, and construction as specified in the Pennsylvania Uniform Construction Code as amended from time to time; however, the fire flow shall not be less than 1,500 gallons per minute.

[b] A reduction in the required fire flow by 50% may be permitted when all buildings within a development are provided with an approved automatic sprinkler system in accordance with the International Fire Code as adopted by the Pennsylvania Uniform Construction Code as amended.

*Fire protection service lines are proposed. (Previous Comment 95) The plan shall be provided to the Fire Chief for review and comment.*

The above comments represent a thorough and comprehensive review of the information submitted, with the intent of giving the Township the best direction possible. However, due to the nature of the comments in this review, the receipt of new information may generate new comments.

We recommend the above comments be addressed to the satisfaction of Pocono Township, prior to approval of the Land Development Plan.

In order to facilitate an efficient re-review of revised plans, the Design Engineer shall provide a letter, addressing item by item, their action in response to each of our comments. The revised plan submission shall include both paper and electronic copies of all documents.

If you should have any questions regarding the above comments, please call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jon S. Tresslar". The signature is fluid and cursive, with the first name "Jon" being more prominent.

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/tms

cc: Taylor Munoz – Township Manager  
Judith Acosta – Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
Kevin R. Fruck, P.E., Cornerstone Consulting Engineers & Architectural, LLC – Applicant's Engineer  
Four Seasons at Camelback – Equitable Owner/Applicant  
Michael J. Wilk, P.E. – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.





**Boucher & James, Inc.**  
CONSULTING ENGINEERS

AN EMPLOYEE OWNED COMPANY  
INNOVATIVE ENGINEERING

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September 23, 2021

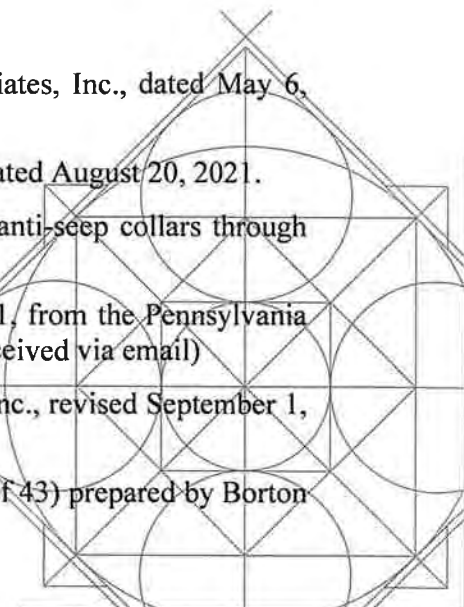
Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: GREAT WOLF LODGE EXPANSION  
FINAL LAND DEVELOPMENT PLAN REVIEW NO. 2  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2030114R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our second review of the Great Wolf Lodge Expansion Final Land Development Plan Application. The submitted information consists of the following items:

- Submission Letter of Transmittal prepared by RKR Hess, a Division of UTRS, Inc., dated September 3, 2021
- Response letter prepared by RKR Hess, a Division of UTRS, Inc., dated September 3, 2021.
- Requests for Modification dated September 3, 2021.
- Resource Impact and Conservation Narrative prepared by RKR Hess, a Division of UTRS, Inc., dated September 2021.
- Tree Inventory Narrative prepared by RKR Hess, a Division of UTRS, Inc., dated August 17, 2021.
- Highway Permit Application No. 229394, Cycle No. 3 Not Required letter prepared by the Pennsylvania Department of Transportation, dated March 3, 2021.
- PPL Right-of-Way Agreement, Record Book 2218, Page 4132.
- PPL Right-of-Way Agreement, Record Book 2218, Page 4140.
- Geotechnical Engineering Report prepared by Geo-Technology Associates, Inc., dated May 6, 2021.
- Infiltration Test Report prepared by Geo-Technology Associates, Inc., dated August 20, 2021.
- Email correspondence re: ADS HDPE – Maximum slope & concrete anti-seep collars through detention basin – steeper than 20%?, dated March 16, 2020.
- Acknowledgement of Waiver of Permit Requirements, WL4502221-001, from the Pennsylvania Department of Environmental Protection, dated September 9, 2021. (Received via email)
- Subsurface Stormwater Management Facility plan prepared by Cultec, Inc., revised September 1, 2021.
- Great Wolf Lodge Land Development Plan (Cover Sheet and Sheet 40 of 43) prepared by Borton Lawson, dated May 3, 2002, revised November 6, 2003.



- Truck Turning Plan prepared by RKR Hess, a Division of UTRS, Inc., dated June 18, 2021, revised September 3, 2021.
- Post Construction Stormwater Management Irrigation Plans prepared by Turf Equipment and Supply Company, revised August 26, 2021.
- Erosion & Sediment Control (E&S) Module 1, prepared by RKR Hess, a Division of UTRS, Inc., dated June 18, 2021, revised September 3, 2021
- Post Construction Stormwater Management (PCSM) Module 2, prepared by RKR Hess, a Division of UTRS, Inc., dated June 18, 2021, revised September 3, 2021
- Land Development Plan for Great Wolf Lodge Expansion (56 sheets) prepared by RKR Hess, a Division of UTRS, Inc., dated June 18, 2021, revised September 3, 2021.

### **BACKGROUND INFORMATION**

The Applicant, Great Wolf Lodge, is proposing to expand its existing facilities. Great Wolf Lodge is located in the C - Commercial Zoning District, northwest and adjacent to the intersection of Interstate Route 80 (I-80) with State Route 611 (S.R. 0611). The existing property has an area of approximately 95.9 acres and consists of an existing lodge (6 story, 175,398 square foot footprint) and indoor/outdoor waterpark with sleeping, activity, and food facilities. The site also contains a large parking lot, a private drive taking access from State Route 611, two stormwater detention basins and associated stormwater facilities, public water and public sanitary sewer facilities, and a paved area with a pad and bin block wall for a maintenance shed. The natural resources present on the site include wetland areas, floodplain (with floodway) areas, woodland areas, and steep slope areas.

The Applicant proposes to construct a 202-room hotel, 30 proposed villas, a proposed hotel parking lot, a proposed employee parking lot, additional handicapped parking spaces, expansions of existing parking lots, an outdoor pool, and the following additions to the existing Lodge and Waterpark building:

1. Lobby expansion,
2. Barnwood Restaurant,
3. Indoor waterpark,
4. Villa Lounge,
5. Porte-cochere.

The Land Development Plan was accepted for review by the Township Planning Commission at its meeting held on June 28, 2021. Under cover letter dated August 20, 2021, RKR Hess waived the 90-day review time until December 20, 2021. Therefore, the Board of Commissioners must act on the plan by December 20, 2021.

Based on our review of the above information, we offer the following comments and/or recommendations for your consideration.

## **ZONING ORDINANCE COMMENTS**

1. Comment satisfied.
2. In accordance with Section S 470-20.C.(3)(a) and (b), the maximum allowable principal building height is 50 feet and accessory building height is 25 feet. *The Zoning Compliance Summary Chart on the Notes and Legend Plan (Sheet C.C.02) and the Site Data Building Setbacks Table on the Existing Resource Map (Sheet C.EX.01) note a building height of 96 feet. The Site Data Building Setbacks Table on the Existing Resource Map (Sheet C.EX.01) references Section 470-26.C. Section 470-26.C states, “The maximum height of nonresidential structures in C and I Districts may be increased up to 96 feet, provided the side and rear setbacks for the structure are not less than 50% of the height of the structure or the setback required for the district, whichever is greater.”*

*Therefore, the Zoning Compliance Summary Chart Site on the Notes and Legend Plan Sheet C.C.02 and the Site Data Building Setbacks Table on the Existing Resource Map (Sheet C.EX.01) shall be revised to provide the required and proposed building setbacks for a 96-foot building height, in accordance with this Section, (minimum 48-foot side yard and 48-foot rear yard setbacks). (Previous Comment 2) The provided column in the Zoning Compliance Summary on Sheet C.C.02 shall be revised to note the side and rear yards as “>48 FT”.*

3. In accordance with Section 470-31.B., “Every pool must have means of providing a safe, secure, nonentry means of safeguard, usually comprised of locked gates and fencing. All pools shall be entirely enclosed with a permanent, continuous fence not less than four feet in height, unless the pool is an aboveground pool, all sides of which are at least four feet above the lowest ground level. All pools shall be required to adhere to the minimum yard dimensions established for the district in which the pool is located.” *The Site Plan C.S.01 shall be revised to label the fence and gate around the proposed outdoor pool and a detail of the fence and locked gate shall be provided in the plan set. (Previous Comment 3) The outdoor pool fence detail provides for a 6-foot high fence post which exceeds the required minimum height of 4-feet and is acceptable. The minimum and/or proposed fence height shall also be provided on the fence details.*
4. In accordance with Section 470-34 and Section 470-75, parking must be provided as required by the use. *The Parking Analysis on the Notes and Legend Plan (Sheet C.C.02) shall be revised as follows:*
  - a. *Parking spaces shall be provided for the waterpark in accordance with Section 470-34.A for commercial pools if day passes are available for the waterpark. (Previous Comment 4.a) A note has been placed on the plan stating “pool passes are sold when the hotel is not at capacity and additional spaces are not required as spaces will be available from vacant rooms. This is consistent with the previously approved land development plan.”*
  - b. *If parking will be required for water park day passes, the Parking Analysis shall be revised to clearly show the total number of required parking spaces, and the total number of provided parking spaces for the existing hotel rooms, proposed hotel rooms, villas, and waterpark to demonstrate compliance. (Previous Comment 4.b) Refer to Comment 4.a.*
  - c. Comment satisfied.



5. Comment satisfied.
6. In accordance with Section 470-121, “No building, structure, or sign shall be erected, constructed, moved, demolished, added to, or structurally altered, nor shall any use of any land, building structure, or sign be changed or expanded, without a zoning permit therefore issued by the Zoning Officer. No such permit shall be issued except in conformity with the provisions of this chapter; and:
  - a. The applicant supplying satisfactory evidence, where applicable, that the property and the proposed use thereof in compliance of the Sewage Facilities Act of the Commonwealth of Pennsylvania and regulations promulgated pursuant thereto by the Pennsylvania Department of Environmental Protection.” *Any and all approvals required by the Pennsylvania Department of Environmental Protection must be provided to the Township. (Previous Comment 6.a) The response letter indicates a sewage planning module mailer was submitted to the Township to request an exemption from the Pennsylvania Department of Environmental Protection for sewage planning.*
  - b. “The applicant supplying, where applicable, stormwater management plans approved by the Pocono Township Board of Commissioners in accordance with the applicable Pocono Township stormwater management ordinances, and an erosion and sedimentation control plan approved by the applicable governmental body or agency charged with that responsibility, with respect to any proposed construction, excavation, or other earthmoving activity.” *All associated plans and approvals must be provided. (Previous Comment 6.b) An NPDES permit application is currently being reviewed by the Monroe County Conservation District.*
7. Comment satisfied.

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

8. In accordance with Section 390-19.P., “Certificate of compliance. No use of land or structure within the land development shall be initiated until such time as a certificate of compliance has been issued by the Township for the land and structure(s) in accord with this chapter. In cases where a financial guarantee for final approval has been provided in lieu of the construction of improvements, no certificate of compliance shall be issued until such time as all the improvements shown on the land development plan have been installed by the applicant, and have been certified as complete by the Township Engineer pursuant to Article V of this chapter.” *A note to this effect shall be placed on the plan. In addition, a construction cost estimate shall be submitted for review prior to plan recordation. (Previous Comment 8) Note 16 has been added to Sheet C.C.02. A construction cost estimate shall be submitted for review prior to plan recordation.*
9. Comment satisfied.
10. Comment satisfied.
11. Comment satisfied.
12. Comment satisfied.

13. Comment satisfied.
14. Comment satisfied.
15. Comment satisfied.
16. In accordance with Section 390-29.J.(8), the Land Development Application submission shall include “Sewage disposal information. *The will serve letter shall be obtained and submitted by the Applicant as required by this Section. (Previous Comment 16) The response letter indicates a will-serve letter has been requested and will be provided upon receipt.*
17. In accordance with Section 390-29.J.(14), “Where the land included in the subject application has an electric transmission line, a gas pipeline, or a petroleum or petroleum products transmission line located within the tract, the land development plan shall be accompanied by a letter from the owner or lessee of such right-of-way stating any conditions on the use of the land and the minimum building setback and/or right-of-way-lines. This requirement may also be satisfied by submitting a copy of the recorded agreement.” *There is an existing 50-foot-wide PPL Electric Line Easement which runs through the site. The Applicant shall obtain a letter from PPL stating any conditions on the use of the land and the minimum building setback and/or right-of-way-lines. Any conditions or required minimum building setbacks from the easement shall be shown and noted on the Plans. (Previous Comment 17) The easement restrictions are now listed on the plan. The response indicates coordination with PPL will be required for the extension of service to the project site.*
18. Comment satisfied.
19. Comment satisfied.
20. In accordance with Section 390-29.J.(20), the Land Development Application submission shall include “Design plans and calculations, signed and sealed by a professional engineer for any retaining walls over four feet in height.” *The Plans show proposed retaining walls. If any of the retaining walls exceed four feet in height, design plans and calculations shall be submitted for review and approval prior to the issuance of a building permit. A note to this effect shall be placed on the plan. Details for the proposed retaining walls shall be added to the Site Detail Plans (Sheets C.DS.01 and C.DS.02). (Previous Comment 20) The response letter indicates that the proposed retaining walls do not exceed 4-feet. However, the retaining wall near proposed Building #1 appears to exceed 4-feet. Additional spot elevations shall be provided to confirm its height. A note requiring design plans and calculations be submitted prior to the issuance of a building permit should still be placed on the plan.*
21. Comment satisfied.
22. In accordance with Section 390-31.B.(1), the Land Development Plans shall contain the “Location, widths, and names of all existing or prior platted streets and utility rights-of-way, parks, and other public open spaces, permanent buildings and structures, houses or permanent easements, and zoning and municipal boundary liens within 500 feet of the tract.” *The Site Plans (Sheets C.S.01 and C.S.02) shall be revised to note the width of the cartway, existing right-of-way, and ultimate right-of-way of Route 611 (SR 0611) along the entire site frontage, as required by this Section. (Previous Comment 22) The existing pavement width of S.R. 0611 dimensioned on Sheet C.S.01 is difficult to read and shall be revised for clarity. In*

***addition, the existing right-of-way that is not along the title line shall be clearly labeled on the plan.***

23. Comment satisfied.
24. In accordance with Section 390-31.B.(4), the Land Development Plans shall contain the “Location, arrangement, and dimensions of automobile parking space, width of aisles, width of bays, angle of parking.” *The Site Plan (Sheet C.S.01) shall be revised to note the dimensions of the proposed parking aisles, parking spaces and landscaped islands within the plan view. (Previous Comment 24) The landscaped islands shall still be dimensioned in plan view, or a detail shall be provided.*
25. Comment satisfied.
26. Comment satisfied.
27. Comment satisfied.
28. In accordance with Section 390-35.A, “Performance Guarantees. Acceptable guarantees. The following are acceptable forms of performance guarantees:
  - 1) Escrow account. A deposit of cash either with the Board of Commissioners or in escrow with a federal or Pennsylvania chartered financial institution. The use of a financial institution for establishing an escrow account shall be subject to approval by the Board of Commissioners.
  - 2) Irrevocable letter of credit. A letter of credit provided by the developer from a financial institution or other reputable institution subject to the approval of the Board of Commissioners.
  - 3) Other forms. Other forms of collateral, including, but not limited to, surety performance bonds from a financially secure bonding company authorized to conduct such business in Pennsylvania, in such form and content as the Board of Commissioners may require or accept as part of the security.
  - 4) Additional requirements.” The requirements outlined in this Section “shall apply to the performance guarantees set forth in this § 390-35A.”

***A performance guarantee shall be provided prior to plan recordation. (Previous Comment 28) The response letter indicates a financial guarantee will be provided prior to final plan approval.***

29. In accordance with Section 390-35.B., “Amount of performance guarantee. The amount of the performance guarantee to be posted for the completion of the required improvements shall be equal to 110% of the cost of completion estimated as of 90 days, following the date scheduled for completion by the developer. Annually, the Board of Commissioners may adjust the amount of the performance guarantee by comparing the actual cost of the improvements which have been completed, and the estimated cost for the completion of the remaining improvements as of the expiration of the 90th day after either the original date scheduled for completion or a rescheduled date of completion. Subsequent to said adjustment, the Board of Commissioners



may require the developer to post additional security, in order to assure that the performance guarantee equals said 110%. Any additional security shall be posted by the developer in accord with this §390-35.” *A construction cost estimate shall be prepared and submitted for review prior to plan recordation. (Previous Comment 29) The response letter indicates an estimate will be prepared for review.*

30. Comment satisfied.

31. Comment satisfied.

32. Comment satisfied.

33. In accordance with Section 390-41, Subdivision or land development improvements agreement, “All applicants proposing any subdivision and/or land development requiring the installation of improvements as required by this chapter shall, prior to final plan approval by the Board of Commissioners, and if so directed by the Board of Commissioners, enter into a legally binding development agreement with the Township, whereby the developer guarantees the installation of the required improvements in accord with the approved plan and all Township requirements.” *A development improvements agreement is required prior to plan recordation. (Previous Comment 33) The response letter indicates a Developer’s Agreement will be executed prior to final plan approval.*

34. In accordance with Section 390-43.A.(6)(e)(2)(d) “All subdivision and land development plans shall include a delineation of the steep slope areas, as defined herein. This information may be shown on a sheet not being recorded with the final plan.” *The “percentage of disturbed area with slopes greater than 20 percent for the Great Wolf Expansion” noted in the steep slope analysis table on the Steep Slope Analysis and Easement Plan (Sheet C.EX.02), appears to be incorrect. When measuring the area of steep slopes greater than 20 percent shown within the proposed development area, at the scale of one (1”) inch equal to one hundred and fifty feet (150’), it appears that the increase in the disturbed steep slope area will be approximately 2.4 acres, for an overall disturbance of 33.9 percent, not 13.9 percent as noted in the table. The Design Engineer shall confirm the proposed disturbed steep slope and revise the “percentage of disturbed area with slopes greater than 20 percent for the Great Wolf Expansion” accordingly. (Previous Comment 34) The previous land development plan shall be referenced by name and date in support of the steep slope easement.*

35. Comment satisfied.

36. In accordance with Section 390-43.A.(14), “Storm drainage. Lots and/or parcels shall be laid out and graded to provide positive drainage away from buildings and to prevent damage to neighboring lots, tracts, or parcels. Stormwater management shall be provided in accord with Township stormwater regulations.” *The following items shall be addressed on the PCSM Plans (Sheets C.PC.01 through C.PC.05) to provide positive surface drainage away from the buildings:*

- a. *The Plans shall be revised to note the finished floor elevations, exterior building corner elevations, and building entrance elevations for the proposed buildings and building additions. (Previous Comment 36.a) Exterior building corner elevations, where proposed grade lines are not shown, and building entrance elevations shall still be provided on the plan.*

- b. *The proposed grading shown on the PCSM Plans (Sheets C.PC.03 and C.PC.05) directs stormwater runoff towards the villa buildings. The proposed grading shall be revised to provide positive surface drainage away from the villa buildings. (Previous Comment 36.b) It appears a low spot is proposed between Proposed Building #5 and the access drive. This shall be addressed.*
  - c. Comment satisfied.
37. In accordance with Section 390-48.W.(1), “The maximum slope of any earth embankment or excavation shall not exceed one foot vertical to three feet horizontal unless stabilized by a retaining wall or cribbing, except as approved by the Board of Commissioners for special conditions.” *The PCSM Plans (Sheet C.PC.02 through C.PC.05) show embankment and excavation slopes of one (vertical) to two (2) horizontal along the roads, buildings, and parking areas. The Plans shall be revised for compliance with this Section. (Previous Comment 37) A waiver from Section 390-48.W.(1) is now requested to propose slopes at a 2 to 1 slope to minimize the disturbance of existing woodlands. The request indicates that erosion control matting will be provided, and the stability of the slopes will be documented in the geotechnical report prepared for the site.*
- We have no objection to this request provided the steep slope analysis is submitted for review and found acceptable.*
38. In accordance with Section 390-48.Z.(5), “Curbs shall be constructed in accord with the most current PennDOT RC64M standard for plain concrete curbs and Americans with Disabilities Act standards.” *Site specific details of the proposed handicapped ramps shall be provided on the Site Details Plans (Sheets C.DS.01 and C.DS.02) which include proposed spot elevations, ramp slopes, landing slopes, ramp, and landing area dimensions, etc. to demonstrate ADA compliance. (Previous Comment 38) The response letter indicates the site specific details will be provided with the layout plan. The details shall be provided for review prior to plan approval.*
39. In accordance with Section 390-49.A.(4), “Monuments shall be set at all outbound locations where permanent monuments did not exist at the time of the perimeter survey, unless site conditions preclude the installation, and the missing monument shall be noted on the final plan. Existing monuments shall not be removed.” *The Existing Resources Map (Sheet C.EX.01) shall be revised to clearly show and label existing monuments (found) and the Site Plans (Sheets C.S.01 and C.S.02) shall be revised to clearly show and label existing monuments (found) and monuments to be set. (Previous Comment 39) Rebars to be set are now shown and labeled on the plan. In accordance with Section 390-49.A.(4), “monuments shall be set at all outbound locations where permanent monuments did not exist at the time of the perimeter survey unless site conditions preclude the installation, and the missing monument shall be noted on the final plan. Existing monuments shall not be removed.” Concrete monuments shall also be proposed where deemed appropriate.*
40. In accordance with Section 390-50.D.(4), “The maximum water depth, measured from the invert of the lowest outlet orifice to the peak one-hundred-year water surface elevation, shall not exceed five feet.” *The Waiver from this Section is requested for Basin 1A, to permit a water depth of 5.25 feet, to which we would not object.*

*However, the proposed improvement to existing Basin A results in a 100 Year water depth of*

*6.34 feet. Basin A shall also be included in the Waiver request, since the 100 Year water depth for this basin will also exceed five (5) feet. The Design Engineer shall note in the Waiver Request the difference in the maximum 100 Year Water Level Elevation from Predevelopment to Post Development Conditions. (Previous Comment 40) The Applicant is requesting a Waiver from this requirement to permit a depth of water in greater than five (5) feet. Basin 1A is proposed with a water depth of 5.25 feet and the design proposes to reduce the water depth in existing Basin A to 6.34 feet. We have no objection to this request.*

41. In accordance with Sections 390-50.D.(5) and 390-55.E.(3), “The maximum slope of the earthen detention basin embankments shall be four horizontal to one vertical.” Also, “Minimum grades inside stormwater basins shall be 1% unless infiltration is an integral part of the design; and maximum side slopes of the basin shall be 33% (3:1 slope).” *The Applicant is requesting Waivers from these Sections to allow inside and outside slopes of the basin to be graded at two (2) feet horizontal to one (1) foot vertical, with erosion control matting for stabilization. The slope stability calculations shall be provided for review. (Previous Comment 41) The response letter indicates a design report will be provided for the basin berms. We have no objection to this request provided the slope stability design report be submitted and found acceptable.*
42. In accordance with Sections 390-50.D.(8), “In order to ensure proper drainage on the basin bottom, a minimum grade of 2% shall be maintained for areas of sheet flow. For channel flow, a minimum grade of 1% shall be maintained.” *Proposed Detention Basin 1A and Detention Basin 4 are proposed to be infiltration basins with flat bottoms. A Waiver will be required from this Section to not be required to provide the minimum grade of 2 % for the basin bottom. (Previous Comment 42) We would have no objection to this Waiver since the basins are designed for infiltration.*
43. In accordance with Sections 390-50.D.(11)(a), “Emergency overflow facilities shall be provided for detention facilities to handle runoff in excess of design flows.” *The following items shall be addressed:*
  - a. Comment satisfied.
  - b. Comment satisfied.
  - c. Comment satisfied.
44. Comment satisfied.
45. In accordance with Section 390-50.D (17), “Cutoff trench. A cutoff trench (keyway) of impervious material shall be provided under all embankments that require fill material. The cutoff trench shall be a minimum of eight feet wide, two feet deep and have side slopes of one-to-one.” *The Plans shall be revised to provide a cutoff trench for each detention basin. A detail of the cutoff trench shall also be provided. (Previous Comment 45) A cutoff trench is shown for proposed Basins 4 and 6B. One shall also be provided for proposed Basin 1A.*
46. In accordance with Section 390-51.A, “all soil erosion and sedimentation control plans shall meet the specifications of the Monroe County Conservation District and PA DEP, and shall comply with Commonwealth of Pennsylvania, Title 25, Chapter 102, Department of Environmental Protection regulations for soil erosion and sedimentation control.” *All*



*proposed development shall meet the requirements of Chapter 102. Since the proposed earth disturbance exceeds one (1) acre, an NPDES Permit, and a Determination of Adequacy letter will be required from the Monroe County Conservation District and/or Pennsylvania Department of Environmental Protection. A copy of the NPDES Permit shall be provided to the Township upon receipt. (Previous Comment 46) An NPDES permit application has been submitted to and is being reviewed by the Monroe County Conservation District.*

47. In accordance with Section 390-52.A.(4) “In the case of utilization of a publicly owned or other existing centralized water supply and/or sewage disposal system the developer shall submit at the preliminary stage a letter from the operator of such utility indicating the utility owner’s willingness to supply service to the development and including a verification of the adequacy of the utility system to serve the proposed development. At the final approval stage an executed agreement with the service supplier shall be submitted.” *In addition to the required will serve letters, any and all approvals required by the Pennsylvania Department of Environmental Protection must be provided to the Township. (Previous Comment 47) The response letter indicates the will-serve letter, and all approvals will be provided upon receipt.*
48. In accordance with Section 390-52.A.(5), “All required certificates of convenience, approvals and permits shall be obtained by the developer and/or the utility owner as a condition of preliminary approval and shall be submitted with the final plan application.” *The Applicant shall provide the Township with the approval letter from Brodhead Creek Regional Authority for the water service and PA DEP Act 537 Approval for the sanitary sewer service. (Previous Comment 48) The response letter indicates approvals will be provided upon receipt.*
49. In accordance with Section 390-55.B., “Minimum number of trees; preservation of existing vegetation. Unless other provisions of this chapter require more trees or vegetation, each development site shall include a minimum of 12 deciduous or evergreen trees for each one acre. Each deciduous tree shall be 2.5-inch caliper or greater, and each evergreen tree shall be six to seven feet in height or greater.” *The Landscape Requirements table on the Landscape Plan (Sheet C.L.04) notes that 1,151 trees are required, and 1,151 trees are provided, however, the Plans do not show the location, type, or size of the 1,151 trees. The Plans shall be revised to clearly show the location, type, and size of the 1,151 trees noted on the Plan. (Previous Comment 49) The Landscape Requirements chart on Sheet C.L.04 shall be revised to reference 1,552 existing trees. In addition, the Tree Inventory Narrative shall be documented on the plan.*
50. Comment satisfied.
51. In accordance with Section 390-55.B.(3), “Credit for existing trees. If healthy, existing trees will be preserved which will generally meet the requirements of this section, the Township may, in its discretion, permit the existing tree(s) to serve as a credit toward the number of shade trees required to be planted. In addition, the Township, in its discretion, may permit existing trees which would otherwise be required to be maintained by this chapter to be removed in exchange for the developer planting replacement trees in accord with this section. To be eligible for use as credit toward a required tree, a preserved tree shall be maintained in such a manner that a minimum of 50% of the ground area under the tree's dripline shall be maintained in natural ground cover and at the existing natural ground level. The applicant may provide a sample plot representative of the trees on the parcel to determine the credit. The following standards shall be used to determine the extent of credit:

DBH of Approved Preserved Tree	Number of Credited Trees
Greater than 30 inches	4
15 to 29 inches	3
7 to 14 inches	2
2 to 6 inches	1

*A tabulation chart shall be provided which demonstrates that the above criteria are met, as applicable to the project. (Previous Comment 51) The Tree Inventory Narrative shall be documented on the plan.*

52. In accordance with Section 390-55.C.(2)(d), “In nonresidential developments, large parking lots shall be divided by planting strips into smaller parking areas of no more than 100 stalls.” *The Applicant is requesting a Waiver from this Section to be permitted to construct a parking lot with up to 109 spaces. The SALDO Section for this Waiver request was incorrectly referenced in the submitted Request for Modification as 390-55.C.(d) and must be revised accordingly. (Previous Comment 52) This request was recommended for approval to the Board of Commissioners by the Planning Commission at its meeting on May 10, 2021.*

*The section listed under Waiver Requests on Sheet C.C.02 shall be revised to correctly reference Section 390-55.C.(2)(d)*

53. Comment satisfied.

54. In accordance with Section 390-55.C.(2)(h), “The use of plants selected from the List of Acceptable Plants in § 390-55H is required.” In accordance with Section 390-55.H., “All plants used for landscaping and vegetative cover shall be selected from the List of Acceptable Plants attached hereto as Appendix A.” *The following proposed trees and shrubs are shown and listed on the Landscape Plans (Sheets C.L.04 and C.L.05), however, they are not included on the Acceptable Plants List:*

- a. *Thuja Occidentalis – Emerald Green Arborvitae*
- b. *Chamaecyparis Pisifera Filifera Aurea Nana – Gold Thread Cypress*
- c. *Spirea Japonica Little Princess – Little Princess Spirea*

*The Landscape Plans shall be revised for compliance with this Section. (Previous Comment 54) A waiver from Section 390-55.C.(2)(h) is requested to plant the abovementioned trees. Appendix A indicates “The Board of Commissioners may permit other species if they are suitable to the area, not subject to blight or disease and of the same general character and growth habit as those listed.” We believe the proposed plantings are acceptable. Should the Township agree we do not believe a waiver is required and it can be removed from the list of Waiver Requests on Sheet C.C.02.*

55. In accordance with Section 390-55.C.(3), “All parking lots shall be buffered from public roads

and from adjacent properties as required in §390-55F.” In accordance with Table 390-55-1 Parking Lot Buffers Along Road Rights-of-Way in Section 55. F.(3)(c), a thirty (30) foot wide buffer is required for parking lots with more than 50 spaces.

*The Landscape Plans (Sheets C.L.04 and C.L.05) shall be revised to show and label the required buffers for the proposed parking lots to demonstrate compliance with this Section and with the buffer requirements of Section 390-55.F.(3). (Previous Comment 55) Thirty (30) foot and 20-foot wide parking buffers are shown along the southern and northern property lines adjacent to the proposed southwesterly parking lot. Twenty (20) foot and 10-foot wide parking buffers are shown along the western and northern property lines adjacent to the northwesterly parking lot. Per Table 390-55-1, all parking buffers shall be 30-feet wide, and the plan shall be revised. In addition, it does not appear that parking lot buffers are required elsewhere on the plan and the buffer dimensions and labels shall be revised accordingly. Also refer to Comment 56.*

*No buffer plantings are proposed. Dense woodlands exist along the eastern and northern property lines.*

*In accordance with Section 390-55.G.(3)(g), “existing healthy trees, shrubs, or woodlands may be substituted for part or all of the required plants with the approval of the Township. The minimum quantities and/or visual effect of the existing vegetation shall be equal to or exceed that of the required buffer as determined by the Township.” The Township shall determine if the existing woodlands satisfy the buffer requirements of this Section.*

56. In accordance with Section 390-55.F.(3)(a), “Property line and road right-of-way buffers shall be required for the following types of development: [1] All nonresidential development.” In accordance with Table 390-55-1 Property Line and Road Right-of-Way Buffers in Section 55. F.(3)(c), the required buffer against the R-2 Residential District along the eastern property line shall be twenty (20) feet wide and the buffer within the C-Commercial District along the northern, southern, and western property lines shall be ten (10) feet.”

*The Landscape Plans (Sheets C.L.04 and C.L.05) shall be revised to show and label the required buffers to demonstrate compliance with this Section and with the buffer requirements of Section 390-55.F.(3). Table 390-55-1 requires a 20-foot wide, high intensity buffer along the western R-2, Medium Residential Zoning District, a 10-foot wide, low intensity buffer along the northern Commercial Zoning District, and a 20-foot wide, high intensity buffer along the northern property line shared with existing residential uses at the northeastern corner of the project site. In addition, a 10-foot wide, low intensity buffer is required along the boundary of the Blue Pond, LLC property. The buffer labels along these property lines reference parking lot buffers and the labels shall be revised accordingly.*

*No buffer plantings are proposed. Dense woodlands exist along the existing property lines.*

*In accordance with Section 390-55.G.(3)(g), “existing healthy trees, shrubs, or woodlands may be substituted for part or all of the required plants with the approval of the Township. The minimum quantities and/or visual effect of the existing vegetation shall be equal to or exceed that of the required buffer as determined by the Township.” The Township shall determine if the existing woodlands satisfy the buffer requirements of this Section.*

57. Comment satisfied.



58. Comment satisfied.
59. Comment satisfied.
60. In accordance with Section 390-55.I.(1)(a), the Landscape Plans shall include “Existing features. The location and character of existing buildings; mature trees standing alone; location and elevation of major specimen trees (12 inches or greater dbh) in any area of the site proposed for development; outer limits of tree masses and other existing vegetation; and the location of floodplain, wetlands, and other natural features that may affect the location of proposed streets, buildings, and landscape plantings.” *The Plans shall be revised to identify any major specimen trees (12 inches or greater dbh) in any area of the site proposed for development, as required by this Section. (Previous Comment 60) A waiver is requested from Section 390-55.I.(1)(a). We have no objection to this request.*
61. Comment satisfied.
62. In accordance with Section 390-55.I.(2), “The final landscape plan shall show the following:
- a. Comment satisfied.
  - b. Comment satisfied.
  - c. Comment satisfied.
  - d. Comment satisfied.
  - e. “A schedule showing all landscape requirements and plants proposed for each category.” *Landscaping schedules specific to the required buffer plantings and parking lot plantings shall be provided on the Landscape Plans. (Previous Comment 62.e) No parking lot or property line buffers are proposed. Refer to Comments 55 and 56. If the Township determines buffers are required, a planting schedule shall be provided on the plan.*
  - f. A detailed cost estimate shall be submitted, showing the value of all proposed landscaping, including all labor and materials. *The landscaping cost shall be included for review within the required construction cost estimate. (Previous Comment 62.f) The response letter indicates a cost estimate will be provided with the required construction cost estimate.*
63. In accordance with Section 390-56.A.(4)(a)(2), “Description of the proposed equipment shall be included, including fixture catalog cuts, photometrics, glare-reduction devices, lamps and mounting heights.” *The Electrical Enlarged Site Plans (Sheets ES104.L.C and ES105.LC) shall be revised to provide light fixture and light pole details, including glare-reduction devices, lamps, and mounting heights. (Previous Comment 63) The Electrical Enlarged Site Plans shall still be revised to provide details/cut sheets for the proposed lamps and poles, and the Site Luminaire Fixture Schedule shall list the lumens for each light type. In addition, Section 390-56.A.(5)(c)[5] requires fully shielded bollard fixtures with 6,200 lumen lamps and having a maximum height of 42-inches above finished grade. This information shall also be provided in the Site Luminaire Fixture Schedule.*
64. Comment satisfied.

65. Comment satisfied.
66. In accordance with Section 390-56.A.(5)(c), the maximum height of light fixtures, including the mounting base, shall be as outlined in this Section. *The Electrical Enlarged Site Plans (Sheets ES104.L.C and ES105.LC) shall be revised to note the height of the light fixtures to demonstrate compliance with this Section. (Previous Comment 66) Refer to Comment 63.*
67. Comment satisfied.
68. Comment satisfied.
69. Comment satisfied.
70. Comment satisfied.
71. Comment satisfied.
72. In accordance with Section 390-58.C.4, “The preliminary and final plans shall contain a sheet depicting the land proposed for use in meeting common open space and recreational facilities requirements, or a note stating that the applicant proposes to pay fees-in-lieu of land. The plan shall also describe any improvements or facilities that the applicant proposes to make to the land.” *The Plans shall be revised accordingly to demonstrate compliance with this Section. (Previous Comment 72) The Applicant proposes a fee in-lieu-of open space. Based upon the proposed limit of disturbance and Township Fee Schedule, a in-lieu-of fee in the amount of \$40,600 is required.*
73. In accordance with Section 390-59.A.(3), “Every parking area shall be arranged for orderly, safe movement. Parking areas containing 30 or more parking spaces shall have a curbed internal road system with a landscaped island or strip of a minimum width equal to one parking space separating the road system from the parking area to provide safe and orderly movement of traffic and discouragement of cross-aisle driving.” *The Applicant is requesting a Waiver from the requirements of this Section to not be required to provide landscaped island or strip separating the road system from the parking area. (Previous Comment 73) This request was recommended for approval to the Board of Commissioners by the Planning Commission at its meeting on May 10, 2021.*
74. In accordance with Section 390-59.B., the minimum required parking space width is ten (10) feet. *The Applicant is requesting a Waiver from this Section to allow nine (9) foot wide spaces. (Previous Comment 74) This request was recommended for approval to the Board of Commissioners by the Planning Commission at its meeting on May 10, 2021.*

#### **STORMWATER MANAGEMENT COMMENTS**

75. In accordance with Section 365-11.A.(2)(c), “The recharge facility shall be capable of completely infiltrating the recharge volume within four days.” *The Applicant is requesting a Waiver from this requirement to be permitted to utilize spray irrigation for volume control over a period of six (6) days after the 24-hour storm has ended, to utilize the PADEP BMP Manual as the design basis for meeting the volume and water quality requirements. (Previous Comment 75) We have no objection to this request.*

76. In accordance with Section 365-11.A.(3), “The size of the recharge facility shall be based upon the following volume criteria:

- a. “NRCS Curve Number Equation.” (As outlined in the Section)
- b. “Annual recharge. Water budget approach.” (As outlined in the Section)

*The Applicant is requesting a Waiver from this Section to be permitted to use and submit the PADEP Spreadsheets for the NPDES Permit Application to calculate the volume required to be managed. (Previous Comment 76) We have no objection to this request.*

77. In accordance with Section 365-13.B, 365-13.D, and Appendix A Design Criteria, the Ordinance requires the use of certain rainfall depths and intensities for the various storm return periods, according to the region in which the project is located. *The Applicant is requesting a Waiver from these requirements to be permitted to utilize NOAA Atlas 14 rainfall data for the stormwater management design, for consistency with the NPDES Application calculations. (Previous Comment 77) We have no objection to this request.*

78. Comment satisfied.

79. Comment satisfied.

80. Comment satisfied.

81. Comment satisfied.

82. In accordance with Section 365-27 Performance guarantee:

- A. “For subdivisions and land developments, the applicant shall provide a performance guarantee to the municipality for the timely installation and proper construction of all stormwater management controls as required by the approved stormwater management site plan in the amount and method of payment provided for in Chapter 390, Subdivision and Land Development.
- B. For other regulated activities, the municipality will require a performance guarantee from the applicant in an amount equal to 110% of the full construction cost of the stormwater management controls as required by the approved stormwater management site plan estimated as of 90 days following the date scheduled for the completion of the construction of the same.

*A performance guarantee shall be provided prior to plan recordation. (Previous Comment 72) The response letter indicates a performance guarantee will be provided prior to plan recordation.*

83. In accordance with Section 365-29 Maintenance agreement for privately owned facilities,

- A. “Prior to approval of the site's stormwater management site plan, the applicant shall sign and record a maintenance agreement in form and substance satisfactory to the Board of Commissioners, covering all stormwater control facilities that are to be privately owned.



- B. Other items may be included in the maintenance agreement where determined necessary to guarantee the satisfactory maintenance of all facilities. The maintenance agreement shall be subject to the review and approval of the municipal solicitor and Board of Commissioners.”

*The maintenance agreement shall be prepared and submitted for the proposed stormwater management improvements as required by this Section. (Previous Comment 83) The response letter indicates the maintenance agreement will be provided.*

84. The Utility Plans (Sheets C.UT.01 and C.UT.03) and the PCSM Plans (Sheets C.PC.01 and C.PC.03) shall be revised to show and label the intake pipes, pumps, and connection lines for Basin 1A and Basin 4 from the basins to the spray irrigation field. ***(Previous Comment 84) The pump station and controls at Basin 4 shall still be labeled on the plan.***
85. Comment satisfied.
86. Comment satisfied.
87. Comment satisfied.
88. Comment satisfied.
89. The following proposed storm sewer has inadequate pipe cover:
- a. Comment satisfied.
  - b. Comment satisfied.
  - c. Comment satisfied.
  - d. Comment satisfied.
  - e. Comment satisfied.
  - f. Comment satisfied.

*The Profiles shall be revised to provide adequate cover over the pipe. (Previous Comment 89) There are several locations where the proposed pipe is shown as exposed near endwalls in the profile views. This must be revised.*

90. Comment satisfied.
91. The following storm sewer profiles on the Storm Sewer Profiles Plans (Sheet C.PST.001, C.PST.002 and C.PST.004) shall be revised to match the crowns of the storm sewer entering the inlet with the storm sewer exiting the inlet:
- a. Comment satisfied.
  - b. Comment satisfied.
  - c. Storm Sewer Profile CB 1-37 to Existing Endwall 1-40 (Sheet C.PST.002) – the 36-inch

HDPE into CB 1-37 shall match crowns with the 42-inch HDPE out of CB 1-37. ***(Previous Comment 91.c) This shall still be revised.***

- d. Comment satisfied.
  - e. Storm Sewer Profile CB 1-37C to CB 1-37 (Sheet C.PST.002) – the 36-inch HDPE into CB 1-37 shall match crowns with the 42-inch HDPE out of CB 1-37. ***(Previous Comment 91.e) This shall still be revised. Also refer to Comment 91.c.***
  - f. Storm Sewer Profile CB 1-39A6 to MH 1-39 (Sheet C.PST.002) – the 15-inch HDPE into CB 1-39A4 shall match crowns with the 18-inch HDPE out of CB 1-39A4. ***(Previous Comment 91.f) This shall still be revised.***
92. Comment satisfied.
93. Comment satisfied.
94. Comment satisfied.
95. Comment satisfied.
96. The Annual Startup Notes and the End of Season Winterization Notes on the Post Construction Stormwater Management Irrigation Plan (Sheet IRR-1) refer to a 3-inch winter discharge line, however, the Post Construction Stormwater Management Irrigation Plans (Sheet IRR-2 and IRR-4) show a 2-inch diameter line. The Plans shall be revised to show and note the correct size of the winter discharge line. ***(Previous Comment 96) The End of Season Winterization notes still reference a 3-inch line and shall be revised.***
97. The Design Engineer shall prepare and submit a storm sewer tabulation chart which includes the pipe size, type, length, slope capacity, invert and grate elevations, projected flow to the inlet and through the pipes, hydraulic grade line elevations, etc. to demonstrate that the proposed storm sewer system has adequate capacity. ***(Previous Comment 97) The following are our comments related to our review of the storm sewer design calculations and profiles. The design calculations and profiles shall be revised accordingly.***
- a. ***Rational AI/CA Calculations are provided for Inlets 1-141A, 1-25F RD, 1-25B RD, 1-34A RD, however, there does not appear to be capacity calculations related to these structures in the Storm Sewer Tabulation.***
  - b. ***The drainage area and/or runoff coefficient utilized in the Storm Sewer Tabulation for 1-27, 1-25D-RD, EX 1-16B, EX 1-28A2, 1-19D, 1-19D1 RD, 1-5, 1-4, 1-39A6, 1-37B RD, 1-37C RD, 4-6A3, 6-3, and 6-1 are inconsistent with those listed in the Rational AI/CA Calculations.***
  - c. ***The pipe diameter, invert elevation up and invert elevation down utilized in the Storm Sewer Tabulation at 1-26 is inconsistent with those in the associated profile(s).***
  - d. ***The invert elevations up utilized in the Storm Sewer Tabulation at 1-14B, EX 1-21A, EX 1-21B, 1-19D, 1-3, 1-9, 4-15E, and 7-6 are inconsistent with those in the associated profile(s).***

- e. *The invert elevations down utilized in the Storm Sewer Tabulation at 1-19A, 4-14, and 4-2 are inconsistent with those in the associated profile(s).*
- f. *The invert elevation up and ground/rim elevation up at 1-19C utilized in the Storm Sewer Tabulation is inconsistent with those in the associated profile(s).*
- g. *The ground/rim elevation up at 1-19E1 utilized in the Storm Sewer Tabulation is inconsistent with that in the associated profile(s).*
- h. *The pipe lengths utilized in the Storm Sewer Tabulation at 1-33 and 1-32 are inconsistent with those in the associated profile(s).*
- i. *The pipe diameter and invert elevation down at 1-31 utilized in the Storm Sewer Tabulation are inconsistent with those in the associated profile(s).*
- j. *The pipe diameters utilized in the Storm Sewer Tabulation at 7-9 and 7-8, the invert elevations up at 7-8 and 7-7A, and the ground/rim elevation up at 7-7A are inconsistent between those utilized in the Storm Sewer Tabulation and those provided in the associated profile(s).*

#### **FLOODPLAIN MANAGEMENT ORDINANCE**

- 98. Comment satisfied.
- 99. Comment satisfied.

#### **MISCELLANEOUS COMMENTS**

- 100. The distance between the proposed villa buildings must be labeled on the Site Plan (Sheet C.S.01). *(Previous Comment 100) The distances shall still be dimensioned on the plan.*
- 101. The distance between the proposed buildings and parking spaces and drives shall be labeled on the Site Plans. (Sheets C.S.01 and C.S.02). *(Previous Comment 101) The distances shall still be dimensioned on the plan.*
- 102. The Landscape Plans (C.L.04 and C.L.) and the Utility Plans (C.UT.04 and C.UT.05) show conflicts between the proposed trees, sanitary sewer system and stormwater management system, which shall be resolved:
  - a. Comment satisfied.
  - b. Comment satisfied.
  - c. Comment satisfied.
  - d. Comment satisfied.
  - e. Comment satisfied.
  - f. Comment satisfied.



- g. The AR Acer Rubrum tree with the sanitary sewer from MH14B-2 and MH14B-3 to the east of the proposed villas. ***(Previous Comment 102.g) Portions of the proposed sanitary sewer has been relocated. The AR Acer Rubrum tree nearest MH14B-4 shall be relocated so it is at least 10-feet from the sanitary sewer line.***

- h. Comment satisfied.

*The Plans shall be revised to resolve the conflicts.*

103. The quantities in the Plant Schedule on the Landscape Plans (Sheets C.L.04 and C.L.05) for the following trees are not in agreement with the quantities in plan view:

- a. AR Acer Rubrum ‘Franks Red’ – the table notes 41 trees, however, the count from plan view is 44 trees. ***The quantity noted in the table for AR Acer Rubrum shall be revised to note 44 trees and the Landscape Requirements table shall be updated accordingly. (Previous Comment 103.a) Forty-one (41) trees are now found in plan view. The number of trees shall be confirmed, and the Plant Schedule shall be updated accordingly.***
- b. Comment satisfied.
- c. Comment satisfied.
- d. Seventy-nine (79) Lg Inkberry Holly shrubs are shown in plan view while 83 are listed in the Plant Schedule. The number of shrubs shall be confirmed, and the Plant Schedule shall be updated accordingly. ***(New Comment)***
- e. Twenty-five (25) Jc Common Juniper shrubs are shown in plan view while 26 are listed in the Plant Schedule. The number of shrubs shall be confirmed, and the Plant Schedule shall be updated accordingly. ***(New Comment)***

104. Comment satisfied.

105. The storm sewer structures, and pipe shall be labeled on the Utility Plans (Sheets C.UT.01 through C.UT.05). ***(Previous Comment 105) The storm sewer structures shall still be labeled on the Utility Plans.***

#### **PLAN REVISION COMMENTS**

106. The received Chapter 105 waiver shall be listed under Permits Required on Sheet C.C.02. ***(New Comment)***

The above comments represent a thorough and comprehensive review of the information submitted, with the intent of giving the Township the best direction possible. However, due to the number and nature of the comments in this review, the receipt of new information may generate new comments.

A separate review of the proposed sanitary sewer improvements will be provided.

We recommend the above comments be addressed to the satisfaction of Pocono Township, prior to approval of the Final Land Development Plan.

In order to facilitate an efficient re-review of revised plans, the Design Engineer shall provide a letter, addressing item by item, their action in response to each of our comments.

If you should have any questions regarding the above comments, please call me.

Sincerely,

A handwritten signature in blue ink that reads "Jon S. Tresslar". The signature is fluid and cursive, with the first name "Jon" and last name "Tresslar" clearly legible.

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/MEP/cg

cc: Taylor Munoz, Township Manager  
Shawn McGlynn, Township Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
Nathan S. Oiler, P.E., RKR Hess, a Division of UTRS, Inc. – Applicant's Engineer  
Great Wolf Lodge of the Poconos, LLC – Owner/Applicant  
Michael J. Wilk, P.E. – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.



**Boucher & James, Inc.**  
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September 23, 2021

Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: STADDEN GROUP, LLC – POCONO CREEK  
PRELIMINARY LAND DEVELOPMENT PLAN COMPLETENESS REVIEW  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2130146R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed a completeness review of the Preliminary Land Development Plan Application for the Stadden Group, LLC – Pocono Creek development. The submitted information consists of the following items.

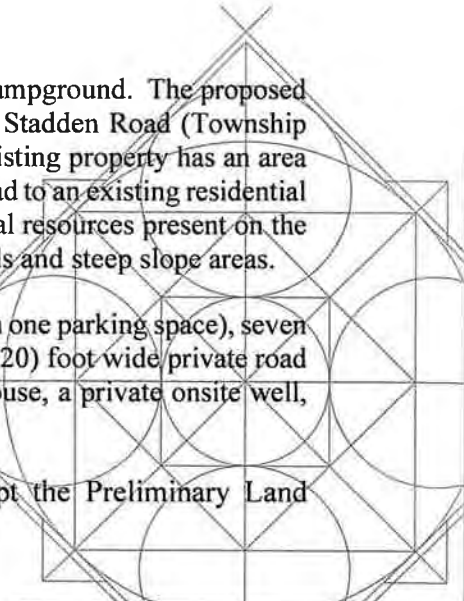
- Sketch Plan Review No. 1 response letter prepared by JHA Companies, dated August 17, 2021.
- Sewage Planning Module prepared by JHA Companies, dated September 13, 2021.
- Post Construction Stormwater Management Narrative prepared by JHA Companies, dated September 14, 2021.
- Regulated Waters Delineation Report, 204 Stadden Road, prepared by JHA Companies, dated November 18, 2020.
- Phase I Archaeological Investigations Proposed Long Level Loop Water Main Extension prepared by RUE Environmental, dated May 2021.
- Preliminary Land Development Plan (23 sheets) prepared by JHA Companies, dated May 17, 2021, revised September 14, 2021.

**BACKGROUND INFORMATION**

The Applicant, Stadden Group, LLC, is proposing to develop its property as a campground. The proposed site is located in the C - Commercial Zoning District, on the southern side of Stadden Road (Township Road T-481) and adjacent to the east side of Interstate Route 80 (I-80). The existing property has an area of 45.75 acres. The site currently contains of a paved driveway from Stadden Road to an existing residential building and a dirt road which extends to the southern property line. The natural resources present on the site include wetland areas, woodland areas, 100 Year floodplain areas, two ponds and steep slope areas.

The Applicant proposes to construct thirty-three (33) tiny house cabins (each with one parking space), seven (7) temporary "glamping sites" with an eleven (11) space parking lot, a twenty (20) foot wide private road (taking access from Stadden Road and terminating with a cul-de-sac), a bathhouse, a private onsite well, and a sanitary sewer force main which will connect to public sewer.

Based upon our review, we recommend the Planning Commission accept the Preliminary Land



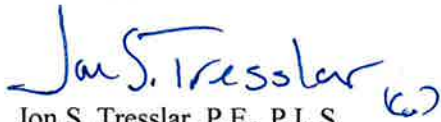


Stadden Group, LLC – Pocono Creek  
Preliminary Land Development Plan Completeness Review  
September 23, 2021  
Page 2 of 2

Development Plan for review providing all other requirements have been met including, but not limited to, formal written applications and application fees with establishment of an escrow to cover the costs of review.

If you should have any questions regarding the above comments, please call me.

Sincerely,

A handwritten signature in blue ink that reads "Jon S. Tresslar" followed by a small circular mark.

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Taylor Munoz, Township Manager  
Judith Acosta – Township Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira – Broughal & DeVito, LLP  
Donald J. Bara, PLS, JHA Companies – Applicant's Surveyor  
Lori Kerrigan – Monroe County Conservation District  
Melissa Prugar, P.E.- Boucher & James, Inc.

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[www.bjengineers.com](http://www.bjengineers.com)

August 18, 2021

Judith Acosta, Zoning Officer  
Pocono Township  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: CMBK PROPOSED TUBING SLOPE  
GRADING PERMIT APPLICATION REVIEW NO. 1  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2130156R**

Dear Ms. Acosta:

As requested by the Township we have performed our first review of the Grading Permit Application for the proposed Tubing Slope Expansion at Camelback Resort. The submitted information consists of the following items:

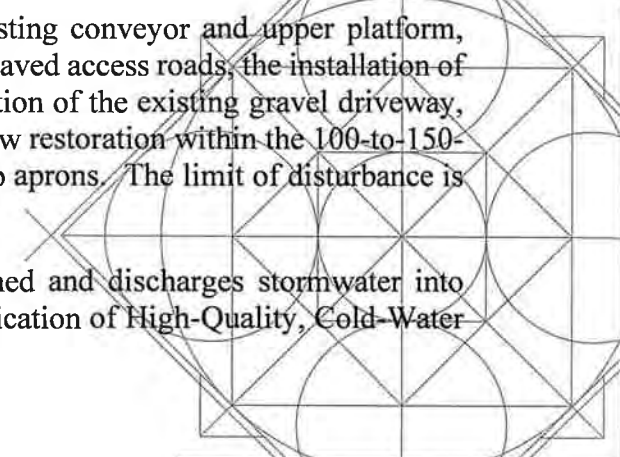
- Proposed Tubing Slope Expansion Plans, prepared by RKR Hess, a Division of UTRS, dated July 27, 2021.
- Erosion Control Module, prepared by RKR Hess, a Division of UTRS, dated July 26, 2021.

**BACKGROUND INFORMATION**

The Applicant/Property Owner is proposing an expansion to the tubing area within the Camelback Resort on Camelback Road. The property is located on the southwestern side of Camelback Road, approximately 500 feet northwest of its intersection with Ridge Drive. The project site is presently used for tubing as part of the Camelback Resort. The site of the proposed improvements consists of an existing conveyor and upper platform, large, sloped grassed fields, utility poles, an existing gravel access road, associated storm sewer, riparian buffer along the southwest portion of the site, meadow, and woodland areas. An existing gravel driveway provides access to Camelback Road.

The proposed construction includes the removal of the existing conveyor and upper platform, relocation of utility poles, removal of portions of gravel and paved access roads, the installation of a new relocated conveyor, replacement/realignment of a portion of the existing gravel driveway, the construction of a ten (10) foot high retaining wall, meadow restoration within the 100-to-150-foot riparian buffer zone, and stormwater culverts with riprap aprons. The limit of disturbance is approximately 5.5 acres.

The project is located within the Brodhead Creek Watershed and discharges stormwater into Coolmoor Creek. Coolmoor Creek has a Chapter 93 Classification of High-Quality, Cold-Water Fishery with Migratory Fishes (HQ-CWF, MF).



Based on our review of the above information, we offer the following comments and/or recommendations for consideration.

### **GRADING, EROSION AND SEDIMENTATION CONTROL ORDINANCE COMMENTS**

1. In accordance with Section 220-6.A, “an erosion and sedimentation control plan shall be submitted with all grading permit applications. The erosion and sedimentation control plan shall contain plans which show that the erosion and sediment resulting from the earthmoving and stripping activities will be controlled. Any proposed erosion and sedimentation control measures to be used during construction shall strictly conform to the standards and specifications of 25 Pa. Code Chapter 102 and the PA E&S BMP Manual and Township Ordinances.” *The proposed area of disturbance exceeds one (1) acre, therefore we believe a modification to the existing NPDES Permit is required, as well as the review(s) and letter of adequacy by the Monroe County Conservation District*
2. In accordance with Section 220-6.B.(6), “the sale of topsoil and/or removal of topsoil from a project is prohibited unless the applicant demonstrates sufficient suitable topsoil will remain to cover all disturbed areas to a depth of six inches at the conclusion of the project. All plans required under this chapter shall specify a designated area to receive topsoil for temporary storage which is removed from a project area, and which will be returned to site and used to final grade the project area.” *Erosion and Sediment Control Note 19 on the ESC Details Plan (Sheet C.DES.02) and any other applicable note(s), shall be revised to require 6-inches of topsoil.*
3. In accordance with Section 220-6.B.(11), “permanent or temporary soil stabilization must be applied to stripped areas within one day after final grade is reached on any portion of the site. All disturbance should be immediately stabilized (temporarily or permanently) if the area is not to be disturbed for four days”. *A note to this effect shall be placed on the plan.*
4. In accordance with Section 220-7.A.(9), the Grading Plan shall show “Street trees and existing trees to be removed.” *The Plans shall be revised to show the existing trees to be removed.*
5. In accordance with Section 220-7.C., the plan shall include “a statement, signed and sealed by a registered professional land surveyor or engineer, or registered landscape architect, licensed in the Commonwealth of Pennsylvania, indicating that, to the best of his/her knowledge and belief, the proposed grading activities shall not significantly increase stormwater runoff to, and/or otherwise adversely impact, downstream properties except as may be part of an approved stormwater runoff collection and management plan.” *The statement shall be signed and sealed on the PCSM Plan (Sheet C.PC.01).*
6. In accordance with Section 220-8.A.(3), “An as-built plan of the facility prepared by a registered professional land surveyor, engineer, or registered landscape architect, licensed in the Commonwealth of Pennsylvania, shall be submitted to the Township for review to verify adequate stage/storage capacity prior to commencement of other site activity.” *An As-Built Plan of the stilling basins/culverts with associated drainage areas and calculations shall be prepared and submitted as required.*



7. In accordance with Section 220-8.H., “Adequate provision shall be made to prevent surface water from damaging the cut face of excavation and the sloping surfaces of fills.” *The ESC Plan shall be revised to label the areas of proposed erosion control matting which shall include all proposed steep slope areas.*
8. In accordance with Section 220-8.N, “Wherever construction vehicle access routes intersect paved public streets, provisions shall be made to minimize the transport of sediment (mud) onto the paved surfaces by runoff or vehicle tracking, including, but not limited to, the installation of tire cleaning areas at each point of access to the site. These tire cleaning areas shall be constructed of AASHTO #1 stone, and each shall be at least 50 feet in length. Where sediment is transported onto a public street, the responsible person shall clean the street immediately. Sediment shall be removed from roads by shoveling or sweeping and then transported to a sediment control area.” *The Standard Construction Detail #3-2 shown on the ESC Details Plan (Sheet C.DES.02) is an ABACT facility when the wash rack discharges “to a sediment removal facility, such as a vegetated filter strip or into a channel leading to a sediment removal device (e.g. a sediment trap or sediment basin)” according to Chapter 3 of the DEP Erosion & Sediment Pollution Control Program Manual. As shown on the ESC Plan (Sheet C.ES.01), the wash rack will discharge to the proposed steep slope area adjacent to the proposed retaining wall. The ESC Plan (Sheet C.ES.01) shall be revised to demonstrate compliance with the requirements of the PA DEP Erosion & Sediment Pollution Control Program Manual regarding the proposed construction entrance with wash rack.*
9. In accordance with Section 220-8.P, “the construction of underground utility lines involving installation, maintenance or repair that disturbs more than 1,000 square feet shall be subject to the following criteria:
  - a. No more than 500 continuous feet of trench is to be opened at one time.
  - b. Where consistent with safety and space considerations, excavated material is to be placed on the uphill side of trenches.
  - c. Trench dewatering devices shall discharge in a manner that will not adversely affect flowing streams, drainage systems or off-site property.”

*A note to this effect shall be placed on the plan.*
10. In accordance with Section 220-10.C, “all applications which are required to prepare a grading plan in accordance with § 220-7 shall prepare a complete set of as-built plans prepared by a licensed surveyor or engineer and submitted to the Township for review and approval prior to issuance of any use or occupancy permits. In the event that site grading does not conform to the approved site plans, no use and occupancy permits for the structure constructed pursuant to the building permit shall be permitted until the final grading is approved by the Township.” *An As-built plan shall be provided prior to the issuance of the use or occupancy permit.*

### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

The Coverage & Buffer Impact Summary Plan (Sheet C.PC.02) notes the removal of 7,548 square feet of existing impervious surface and the installation of 5,747 square feet of impervious surface, for a net decrease of 1,801 square feet of impervious surface. Therefore, stormwater management for rate and volume control is not proposed for this project.

11. In accordance with Sections 365-15.A and 365-19.A.(4), any earth disturbance must be conducted in conformance with Pennsylvania Title 25, Chapter 102, Erosion and Sediment Control. *The proposed area of disturbance exceeds one (1) acre, therefore we believe a modification to the NPDES Permit is required, as well as the review(s) and letter of adequacy by the Monroe County Conservation District. A copy of the NPDES Permit and letter of determination of adequacy shall be provided to the Township upon receipt.*

### **MISCELLANEOUS COMMENTS**

12. Two (2) intersecting street names shall be provided on the Location Map to better locate the existing property.
13. The Erosion & Sediment Control (E & S) Module 1 notes that the project discharges into Coolmoor Creek and that the unnamed tributary has a Chapter 93 Classification of High-Quality, Cold-Water Fishery with Migratory Fishes (HQ-CWF, MF). This shall be noted on the ESC Plan (Sheet C.ES.01) and the PCSM Plan (Sheet C.PC.01).
14. The PCSM Plan (Sheet C.PC.01) shows a proposed ten (10) foot high retaining wall. Design plans and calculations for the proposed retaining wall shall be submitted for review and approval prior to the issuance of a building permit. A note to this effect shall be added to the General Notes on the Cover Sheet (Sheet C.C.01).
15. The ESC Plan (Sheet C.ES.01) shall be revised to show the location of the:
  - a. concrete washout.
  - b. stone inlet protection.
16. Page 15 of the Erosion & Sediment (E & S) Control Module 1 provides a tabulation for the compost filter sock for Waterbar 1 and Waterbar 2, but none are provided for Waterbar 3 and 4. E&S Module 1 shall be revised to provide tabulations for the compost filter sock tabulations for Waterbar 3 and Waterbar 4.
17. The storm sewer profiles on the PCSM/ESC Details Plan (Sheet C.DES.02) show proposed 6-inch diameter storm sewer for the water bars and 10-inch diameter storm sewer from CB EX 4-1A to Manhole 4. The Profiles shall be revised to show minimum 12-inch diameter pipe for the water bars and the proposed pipe from CB EX 4-1A to Manhole 4.
18. The pipe slopes for the following pipes are incorrect as shown in the profiles on the PCSM/ESC Details Plan (Sheet C.DES.02):

- a. Waterbar Pipe 1
- b. Waterbar Pipe 3
- c. Waterbar Pipe 4

The profiles shall be revised accordingly.

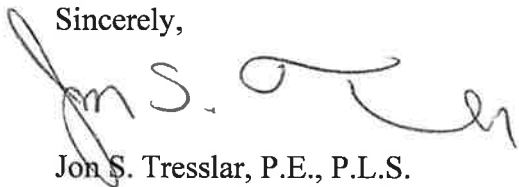
19. The Waterbar Pipe 1 Profile on the PCSM/ESC Details Plan (Sheet C.DES.02) notes an “invert in” elevation for a six (6) inch diameter pipe into CB-1, however, the plan view of Waterbar 1 on the PCSM Plan (Sheet C.PC.01) does not show a six (6) inch diameter pipe entering CB-1. The Plans shall be revised for consistency and correctness.

The above comments represent a thorough and comprehensive review of the information submitted with the intent of giving the Township the best direction possible. However, due to the nature of the comments, the receipt of a revised plan submission may generate new comments.

In order to facilitate an efficient re-review of revised plans, the Design Engineer shall provide a letter, addressing item by item, their action in response to each of our comments.

If you should have any questions regarding the above comments, please call me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/tms

cc: Taylor Munoz – Township Manager  
Leo DeVito, Esquire – Township Solicitor  
Lisa A. Pereira, Esquire – Broughal & DeVito, LLP  
Nicholas Michael DeFrank, P.E., RKR Hess, A Division of UTRS – Applicant’s Engineer  
CMBK Resort Holdings, LLC – Property Owners/Applicants  
Lori Kerrigan, Head Resource Conservationist – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.





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570-629-0300  
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559 Main Street, Suite 230  
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Fax 610-419-9408

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August 5, 2021

Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: SANOFI PASTEUR, INC – B-55 VDL2 LOADING DOCK ADDITION  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN COMPLETENESS REVIEW  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2130157R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed a completeness review of the Preliminary/Final Land Development Plan Application for the Sanofi Pasteur B-55 VDL2 Loading Dock Addition. The submitted information consists of the following items.

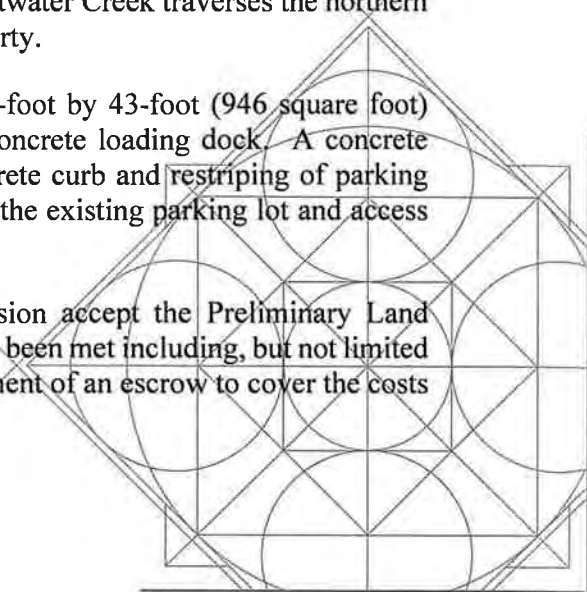
- Submission Transmittal prepared by Borton Lawson, dated July 30, 2021.
- Pocono Township Land Development Application.
- Professional Services Escrow Agreement.
- Special Warranty Deed for Tax ID Nos. 12/12/2/10-2, 12/12/2/10, 12/11/1/3, 12/11A/1/90, 12/11A/1/92-1.
- Summary of Modification Requests.
- Sanofi Pasteur, Inc. B-55 VDL2 Loading Dock Addition Preliminary/Final Land Development Plan (11 sheets) prepared by Borton Lawson, dated July 16, 2021.

**BACKGROUND INFORMATION**

The existing property is located within the I, Industrial, C, Commercial, and R-1, Residential Zoning Districts, has an area of approximately 189 acres and consists of medical laboratories, medical manufacturing, and office buildings with associated parking. Swiftwater Creek traverses the northern portion of the site and areas of wetlands exist throughout the property.

The proposed development will include the construction of a 22-foot by 43-foot (946 square foot) building addition with an 18-foot by 36-foot (648 square feet) concrete loading dock. A concrete sidewalk with associated crosswalk, an equipment pad, and concrete curb and restriping of parking spaces, and storm sewer are also proposed within and adjacent to the existing parking lot and access drive.

Based upon our review, we recommend the Planning Commission accept the Preliminary Land Development Plan for review providing all other requirements have been met including, but not limited to, formal written applications and application fees with establishment of an escrow to cover the costs

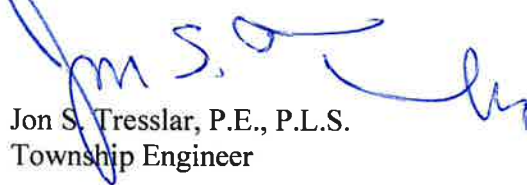


Pocono Township Planning Commission  
Sanofi Pasteur, Inc. B-55 VDL2 Loading Dock Addition  
Preliminary/Final Land Development Plan Completeness Review  
August 5, 2021  
Page 2 of 2

of review.

If you should have any questions regarding the above, please call me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Taylor Munoz – Township Manager  
Judith Acosta – Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
Aaron M. Sisler, P.E., Borton-Lawson – Applicant's Engineer  
Sanofi Pasteur, LLC. – Property Owner/Applicant  
Lori Kerrigan – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.

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559 Main Street, Suite 230  
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November 16, 2021

Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: SANOFI PASTEUR, INC – B-83 COLD STORAGE BUILDING  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN COMPLETENESS  
REVIEW  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
POCONO TOWNSHIP LDP NO. 1390, B&J PROJECT NO. 2130168R**

Dear Planning Commission Members:

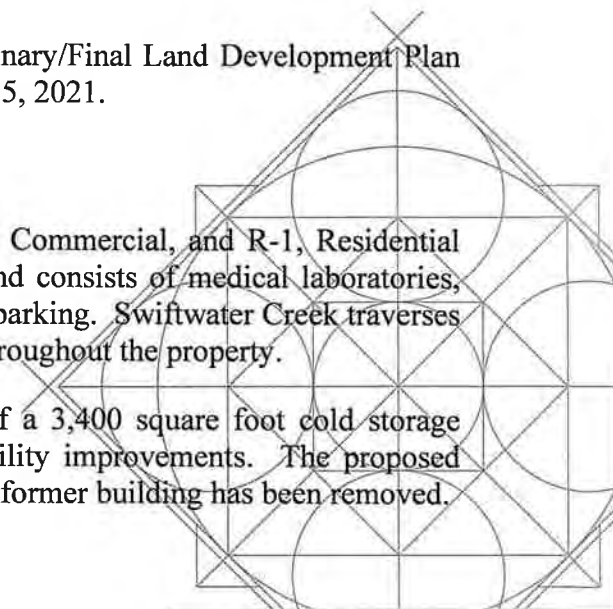
Pursuant to the Township's request, we have completed a completeness review of the Preliminary/Final Land Development Plan Application for the Sanofi Pasteur B-83 Cold Storage Building. The submitted information consists of the following items.

- Letter of Transmittal prepared by Borton Lawson, dated November 12, 2021.
- Pocono Township Land Development Application.
- Professional Services Escrow Agreement.
- Special Warranty Deed for Tax ID Nos. 12/12/2/10-2, 12/12/2/10, 12/11/1/3, 12/11A/1/89, 12/11A/1/90, 12/11A/1/92-1.
- Appendix G, Requests for Modification (9 requests).
- Erosion & Sediment Pollution Control Calculations prepared by Borton Lawson, dated November 5, 2021.
- Post Construction Stormwater Management Plan prepared by Borton Lawson, dated November 5, 2021.
- Sanofi Pasteur, Inc. B-83 Cold Storage Building Preliminary/Final Land Development Plan (14 sheets) prepared by Borton Lawson, dated November 5, 2021.

**BACKGROUND INFORMATION**

The existing property is located within the I, Industrial, C, Commercial, and R-1, Residential Zoning Districts, has an area of approximately 189 acres and consists of medical laboratories, medical manufacturing, and office buildings with associated parking. Swiftwater Creek traverses the northern portion of the site, and areas of wetlands exist throughout the property.

The proposed development will include the construction of a 3,400 square foot cold storage building, with associated loading and storage areas, and utility improvements. The proposed building will be located over an existing gravel area, where a former building has been removed.



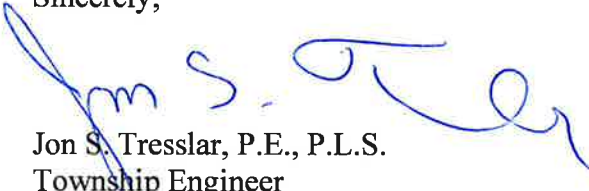


Pocono Township Planning Commission  
Sanofi Pasteur, Inc. B-83 Cold Storage Building  
Preliminary/Final Land Development Plan Completeness Review  
November 16, 2021  
Page 2 of 2

Based upon our review, we recommend the Planning Commission accept the Preliminary/Final Land Development Plan for review, providing all other requirements have been met including, but not limited to, formal written applications and application fees with establishment of an escrow to cover the costs of review.

If you should have any questions regarding the above, please call me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/tms

cc: Taylor Munoz – Township Manager  
Judith Acosta – Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
Aaron M. Sisler, P.E., Borton-Lawson – Applicant's Engineer  
Sanofi Pasteur, LLC. – Property Owner/Applicant  
Lori Kerrigan – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.

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January 17, 2022

Judith Acosta, Zoning Officer  
Pocono Township  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: CMBK SULLIVAN LIFT REPLACEMENT  
GRADING PERMIT APPLICATION REVIEW NO. 1  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2130172R**

Dear Ms. Acosta:

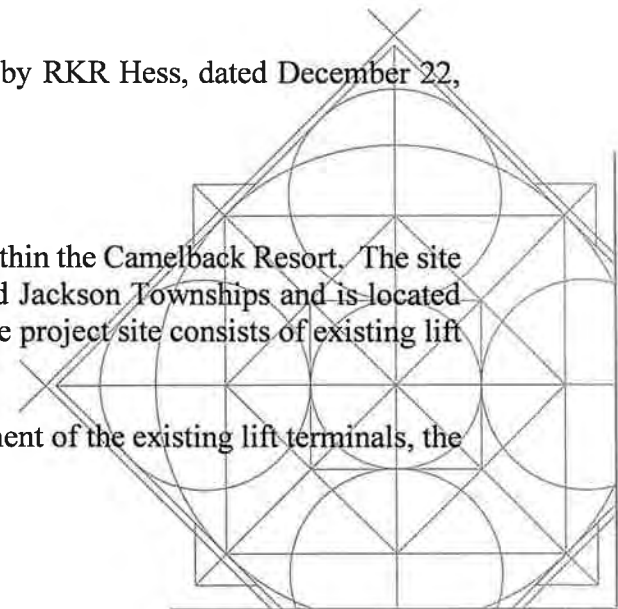
As requested by the Township we have performed our first review of the Grading Permit Application. The submitted information consists of the following items:

1. Letter of Transmittal prepared by RKR Hess, dated December 22, 2021.
2. Pocono Township Grading, Erosion and Sediment Control Permit Application.
3. PADEP Chapter 105 Water Obstructions and Encroachment General Permit 7 Registration with Aquatic Resource Impact Table.
4. Erosion & Sediment Control (E&S) Module 1 prepared by RKR Hess, dated December 22, 2021.
5. Post Construction Stormwater Management (PCSM) Module 2 prepared by RKR Hess, dated December 22, 2021.
6. Sullivan Lift Replacement Plan Set (14 sheets) prepared by RKR Hess, dated December 22, 2021.

**BACKGROUND INFORMATION**

The Applicant/Property Owner is proposing improvements within the Camelback Resort. The site of the proposed improvements is situated in both Pocono and Jackson Townships and is located off Camelback Road in Big Pocono Mountain State Park. The project site consists of existing lift terminals, woodland, and meadow areas.

The proposed construction includes the removal and replacement of the existing lift terminals, the



removal and installation of lift towers, and the construction of a maintenance building with a 10-foot high retaining wall. Two (2) rain gardens are proposed, and areas of existing gravel are proposed to be removed and replaced with meadow. The limit of disturbance is approximately 1.5 acres.

Based on our review of the above information, we offer the following comments and/or recommendations for consideration.

### **GRADING, EROSION AND SEDIMENTATION CONTROL ORDINANCE COMMENTS**

1. In accordance with Section 220-6, “an erosion and sedimentation control plan shall be submitted with all grading permit applications. The erosion and sedimentation control plan shall contain plans which show that the erosion and sediment resulting from the earthmoving and stripping activities will be controlled. Any proposed erosion and sedimentation control measures to be used during construction shall strictly conform to the standards and specifications of 25 Pa. Code Chapter 102 and the PA E&S BMP Manual and Township Ordinances.” *The proposed area of disturbance is approximately 1.5 acres, therefore a modification to the existing NPDES Permit is required. The approved modification shall be provided to the Township upon receipt. The following comments are based upon our review of the ESC Plans (Sheets C.ES.01 to C.ES.04) and the ESC Notes & Details (Sheets C.DES.01 and C.DES.02).*
  - a. *Step 4 of the General Construction Sequence Notes references the maintenance, repair, and installation of construction entrances. The construction entrances shall be shown in plan view.*
  - b. *Construction of the lift terminals and maintenance building, and the conversion of gravel areas to meadow shall also be included in the General Construction Sequence Notes.*
2. In accordance with Section 220-6.A.(6), “the sale of topsoil and/or removal of topsoil from a project is prohibited unless the applicant demonstrates sufficient suitable topsoil will remain to cover all disturbed areas to a depth of six inches at the conclusion of the project. All plans required under this chapter shall specify a designated area to receive topsoil for temporary storage which is removed from a project area and which will be returned to site and used to final grade the project area.” *Seeding and Mulching Requirements Note 4 shall be revised to require a minimum topsoil depth of 6-inches.*
3. In accordance with Section 220-7.A.(6), the grading plan shall include “elevations at lot corners, and exterior grade at each corner of each building.” *A spot elevation at the northeastern corner of the proposed maintenance building shall be provided on the plan.*
4. In accordance with Section 220-7.A.(8), the grading plan shall include a “north arrow.” *A north arrow shall be provided on the aerial photograph provided on Sheet C.C.01.*



### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

The project is located within the Brodhead Creek Watershed and discharges stormwater into Coolmoor Creek. Coolmoor Creek has a Chapter 93 Classification of High-Quality, Cold-Water Fishery with Migratory Fishes (HQ-CWF, MF).

The Impervious Area Calculations on Sheets C.PC.05 and C.PC.06 for the Upper and Lower Terminals show a decrease in impervious area of 4,315 square feet and 1,250 square feet, respectively. Therefore, stormwater management rate control is not required for this project. However, two (2) rain gardens are proposed.

5. In accordance with Section 365-11.A.(2)(a), “a minimum depth of 24 inches between the bottom of the BMP and the limiting zone” shall be provided. *Soil profiles shall be provided to confirm 24-inches of separation is provided between the identified limiting zone and the bottoms of Rain Gardens 1 and 2.*
6. In accordance with Section 365-11.A.(2)(c), “the recharge facility shall be capable of completely infiltrating the recharge volume within four days.” *Infiltration time calculations for Rain Gardens 1 and 2 shall be submitted.*
7. In accordance with Sections 365-11.B.(2) and 365-11.B.(3), the infiltration structure shall be designed for the required storm volume based on field determined capacity with the appropriate safety factors applied at the level of the proposed infiltration surface. The site-specific infiltration test results (at the level of the proposed infiltration surface) in accordance with the BMP Manual and/or ASTM Guide No. D5126 shall be submitted. *Infiltration testing shall be conducted, and the results submitted.*
8. In accordance with Sections 365-15.A and 365-19.A.(4), any earth disturbance must be conducted in conformance with Pennsylvania Title 25, Chapter 102, Erosion and Sediment Control. *The proposed area of disturbance is approximately 1.5 acres, therefore a modification to the existing NPDES Permit is required. The approved modification shall be provided to the Township upon receipt. Also refer to Comment 1.*
9. In accordance with Section 365-19.B.(18), “overland drainage patterns and swales” shall be included. *A Post Drainage Area Map has been provided in support of the drainage areas to Rain Gardens 1 and 2. Additional mapping shall be provided in support of the following drainage areas analyzed in the Weighted CN calculations: Existing-within LED-Lower DP001, Existing-within LED-Upper DP 002, Proposed-within LED-Lower DP 001, Proposed-within LED-Upper DP 002, and Proposed-within LED-Upper DP 002-bypass.*
10. In accordance with Section 365-19.B.(19), “a fifteen-foot-wide access easement to and around all stormwater management facilities that would provide ingress to and egress from a public right-of-way” shall be provided. *The 15-foot wide easement shall be provided on the plan that would permit, but not obligate the Township to enter the property to inspect, maintain, repair, and/or replace the proposed stormwater management facilities at no cost*

*to the Township. A note to this effect shall be added to the plan. Alternatively, a blanket easement may be provided by a similar note.*

11. In accordance with Section 365-19.B.(22), “a statement, signed by the applicant, acknowledging that any revision to the approved stormwater management site plan must be approved by the municipality and that a revised E&S plan must be submitted to the Conservation District for a determination of adequacy” shall be provided on the plan. *The statement shall be provided on the plan.*
12. In accordance with Section 365-19.B.(23), the plan shall include “the following signature block for the design engineer (Pennsylvania-licensed professional engineer):

I, (Design Engineer), on this date (date of signature), hereby certify that the Stormwater Management Site Plan meets all design standards and criteria of the Pocono Township Stormwater Management Ordinance. The word 'certify' is an expression of professional opinion by the undersigned and does not constitute a guarantee or warranty.

*The signature block shall be provided on the plan.*

#### **STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS**

13. The Summary for Subcatchment 12S: Post DP001 references a total area of 10,297 square feet while the Weighted CN calculation for Proposed -within LED – Lower DP001 utilizes a total area of 10,271 square feet. The summary or calculation shall be revised.
14. The land use areas utilized in the Summary for Subcatchment 2S: Post – total are inconsistent with those utilized in the Weighted CN calculation for Proposed -within LED – Upper DP 002. The summary or calculation shall be revised.
15. The total area utilized in the Summary for Subcatchment 9S: Post – bypass is greater than that utilized in the Weighted CN calculation for Proposed – within LED – Upper DP 002 – Bypass. It appears an additional 3,689 square feet of meadow area is utilized in the summary. The summary or calculation shall be revised.
16. When compared to the rain garden hatching on Sheet C.PC.02, it appears the meadow area utilized in the Weighted CN calculations for Rain Gardens 1 and 2 are high. The plans shall clearly depict the areas of meadow and the calculations shall be revised accordingly.

#### **MISCELLANEOUS COMMENTS**

17. A General Permit 7 is required from the Pennsylvania Department of Environmental Protection. The approved permit shall be provided to the Township upon receipt.

The above comments represent a thorough and comprehensive review of the information submitted, with the intent of giving the Township the best direction possible.

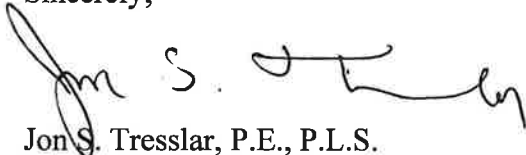
Ms. Judith Acosta, Zoning Officer – Pocono Township  
CMBK Sullivan Lift Replacement  
Grading Permit Application Review No. 1  
January 17, 2022  
Page 5 of 5

However, due to the nature of the comments, the receipt of a revised plan submission may generate new comments.

In order to facilitate an efficient re-review of revised plans, the Design Engineer shall provide a letter, addressing item by item, their action in response to each of our comments.

If you should have any questions regarding the above comments, please call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jon S. Tresslar". The signature is fluid and cursive, with the first name "Jon" being the most prominent.

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Taylor Munoz – Township Manager  
Leo DeVito, Esquire – Township Solicitor  
Lisa A. Pereira, Esquire – Broughal & DeVito, LLP  
Nicholas Michael DeFrank, P.E., RKR Hess, A Division of UTRS – Applicant's Engineer  
Nate Oiler, P.E., RKR Hess, A Division of UTRS – Applicant's Engineer  
Jeff Roberson, CMBK Resort Holdings, LLC – Property Owners/Applicants  
Lori Kerrigan, Head Resource Conservationist – Monroe County Conservation District  
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January 20, 2022

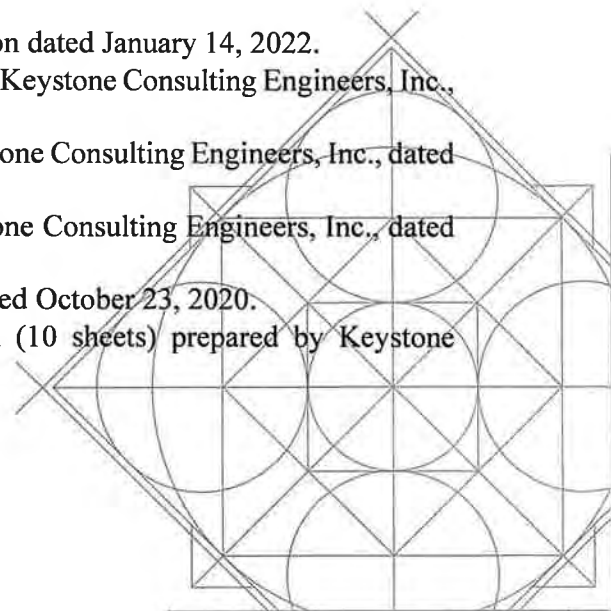
Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: WESTHILL VILLAS PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
COMPLETENESS REVIEW  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
POCONO TOWNSHIP LDP NO. 1395, B&J PROJECT NO. 22203174R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed a completeness review of the Westhill Villas Preliminary/Final Land Development Plan Application. The submitted information consists of the following items.

- Letter of Transmittal prepared by Keystone Consulting Engineers, Inc., dated January 14, 2022.
- Pocono Township Land Development Application.
- Professional Services Escrow Agreement with W-9 Form.
- Request for Public Water Service letter to Brodhead Creek Regional Authority prepared by Keystone Consulting Engineers, Inc., dated January 14, 2022.
- Pocono and Hamilton Townships Regional Sewer System Reservation of Sewer Capacity Application.
- Pennsylvania Department of Environmental Protection Sewage Facilities Planning Module Exemption Form.
- Request for Sanitary Sewer Service letter to Pocono Township prepared by Keystone Consulting Engineers, Inc., dated January 10, 2022.
- Pennsylvania DCNR PNDI Receipt dated December 14, 2021.
- Property Deed – Deed Book 2568, Page 8858.
- Submission Package to Monroe County Planning Commission dated January 14, 2022.
- Post Construction Stormwater Management Plan prepared by Keystone Consulting Engineers, Inc., dated January 14, 2021.
- Existing Condition Drainage Plan (1 sheet) prepared by Keystone Consulting Engineers, Inc., dated December 21, 2021.
- Developed Drainage Area Map (1 sheet) prepared by Keystone Consulting Engineers, Inc., dated December 21, 2021.
- Preliminary Site Plan, Sheet Number A-001.00 (1 sheet), dated October 23, 2020.
- Westhill Villas Preliminary/Final Land Development Plan (10 sheets) prepared by Keystone Consulting Engineers, Inc., dated December 21, 2021.



### **BACKGROUND INFORMATION**

The above items have been submitted in support of Preliminary/Final Land Development for Westhill Villas. The existing property is located within the C, Commercial Zoning District on the eastern side of Learn Road at its intersection with Pigeon Way. The property address is 330 Learn Road. (Tax Parcel Number 12/8/1/84-1, PIN Number 12-6372-02-57-0548).

The existing property consists of an existing dwelling taking access from Learn Road via an existing gravel driveway. The remainder of the property consists of steep slopes and woodland areas.

The proposed Preliminary/Final Land Development proposes to maintain the existing dwelling, construct ten (10) additional dwellings, and a clubhouse. A driveway and associated parking are proposed. The Applicant has identified the existing and proposed dwellings as transient dwellings.

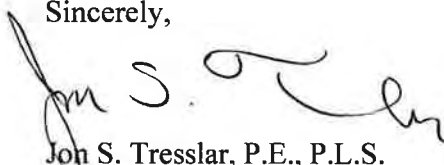
Public water and sanitary sewer will service the proposed development. A mulch path and stormwater management are also proposed.

The property is located within the B-2 Stormwater Management District of the McMichaels Creek watershed, with an unnamed tributary to Pocono Creek as the receiving stream. The unnamed tributary has a Chapter 93 Classification of High Quality (HQ), Cold Water Fishery (CWF) with Migratory Fishes (MF).

Based upon our review, we recommend the Planning Commission accept the Preliminary/Final Land Development Plan for review, providing all other requirements have been met including, but not limited to, formal written applications and application fees with establishment of an escrow to cover the costs of review.

If you should have any questions regarding the above, please call me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/tms

cc: Taylor Munoz – Township Manager  
Judith Acosta – Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
Darrin D. Heckman, Keystone Consulting Engineers, Inc. – Applicant's Engineer  
John Lysy, Industry City, Inc. – Property Owner/Applicant  
Lori Kerrigan – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.



**Boucher & James, Inc.**  
CONSULTING ENGINEERS

AN EMPLOYEE OWNED COMPANY  
INNOVATIVE ENGINEERING

Fountainville Professional Building  
1456 Ferry Road, Building 500  
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559 Main Street, Suite 230  
Bethlehem, PA 18018  
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[www.bjengineers.com](http://www.bjengineers.com)

March 10, 2022

Pocono Township Planning Commission  
112 Township Drive  
Tannersville, PA 18372

**SUBJECT: GROSSI MAJOR SUBDIVISION PRELIMINARY PLAN  
COMPLETENESS REVIEW  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
POCONO TOWNSHIP LDP NO. 1398, B&J PROJECT NO. 2230178R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed a completeness review of the Grossi Major Subdivision Preliminary Plan Application. The submitted information consists of the following items.

- Pocono Township Plan Receipt Checklist.
- Pocono Township Land Development Application.
- Site Investigation and Percolation Test Reports for Onlot Disposal of Sewage.
- Highway Occupancy Permit No. 893560, Issued 12/15/2003.
- Property Deed, Deed Book 2530, Page 5151.
- Post Construction Stormwater Management Report prepared by Hanover Engineering, dated March 1, 2022.
- Drainage Area Maps (2 sheets) prepared by Hanover Engineering, dated February 29, 2022.
- Preliminary Major Subdivision Plan (16 sheets) prepared by Hanover Engineering, dated March 1, 2022.

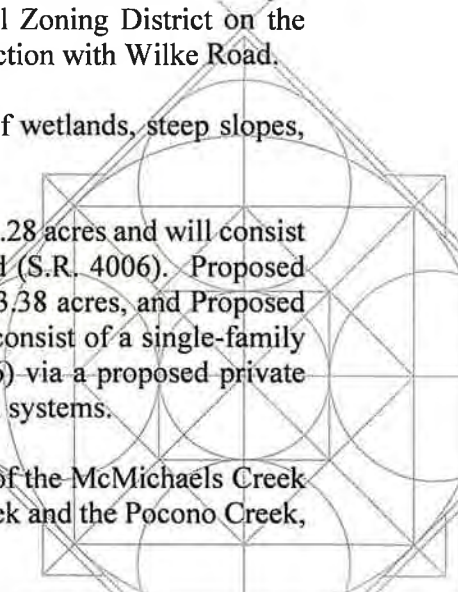
**BACKGROUND INFORMATION**

The above items have been submitted in support of a Preliminary Plan for the Grossi Major Subdivision. The existing property is located within the RD, Recreational Zoning District on the western side of Camelback Road, approximately 500 feet south of its intersection with Wilke Road.

The existing property has an area of approximately 17 acres and consists of wetlands, steep slopes, meadow, and woodlands.

The subdivision proposes four (4) lots. Proposed Lot-1 will have an area of 2.28 acres and will consist of a single-family residential dwelling taking access from Camelback Road (S.R. 4006). Proposed Lot-2 will have an area of 4.56 acres, Proposed Lot-3 will have an area of 3.38 acres, and Proposed Lot-4 will have an area of 6.17 acres. Proposed Lots 2, 3, and 4 will each consist of a single-family residential dwelling and will take access from Camelback Road (S.R. 4006) via a proposed private road. All proposed lots will be serviced by on-lot water and sewage disposal systems.

The project site is located within the B-2 Stormwater Management District of the McMichaels Creek Watershed. The receiving waters are unnamed tributaries to the Pocono Creek and the Pocono Creek,





which have Chapter 93 classifications of High Quality, Cold Water Fishery with Migratory Fishes (HQ, CWF/MF). Rain gardens are proposed on Lots 1 and 3, an infiltration basin is proposed on Lot 2, and an underground basin located within the private road will handle stormwater runoff from various areas of the project site.

Based upon our review, we recommend the Planning Commission accept the Preliminary Major Subdivision Plan for review, providing all other requirements have been met including, but not limited to, formal written applications and application fees with establishment of an escrow, to cover the costs of review.

If you should have any questions regarding the above, please call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jon S. Tresslar", written over a horizontal line.

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Taylor Munoz – Township Manager  
Judith Acosta – Zoning Officer  
Leo DeVito, Esquire – Township Solicitor  
Lisa Pereira, Broughal & DeVito, LLP  
John Grossi, Pocono Max Properties, Inc. – Property Owners/Applicants  
Nicholas Palermo, Pocono Max Properties, Inc. – Property Owners/Applicants  
Salvatore J. Caiazzo, P.E., Hanover Engineering – Applicant's Engineer  
Melissa E. Prugar, P.E. – Boucher & James, Inc.

Minimum Control Measure #5  
Post Construction Stormwater Management in New  
Development and Redevelopment

Minimum Control Measure #5						Pocono Township
Construction Site Stormwater Runoff Control						1630022
						June 30, 2022
LVL Engineering Project No.	Project	Reporting Period	NPDES Permit No.	BMP Type	Township Approval Status	Construction Status
1330276R	Trap Enterprises Hotel Project Revised Land Development	Year 4 2021-2022	PAD450082	Underground Infiltration Basin	Approved with Conditions	Active
1930082R	BCRA Route 715 Watertank Land Development	Years 3, 4 2020-2022	Issued	Infiltration Basin	Approved and Recorded	Complete
1930089R	Northridge at Camelback Phase 1 (Phases 11-16) Land Development	Years 3, 4 2020-2022	PAD450049	Underground Infiltration Basins	Approved with Conditions	Active
1930089R	Northridge at Camelback Phase 2 (Phases 11-16) Land Development	Year 4 2021-2022	PAD450049 Under Review	Underground Infiltration Basins	Under Review	Pending
1930090R	Sanofi Pasteur, Inc. - B-78 Seed Lab	Years 2, 3, 4 2019-2022	PAD450114	N/A	Approved with Conditions	Pending
2030104R	Lindenmere Sports Art Center	Years 2, 3, 4 2019-2022	PAD450127	Infiltration Berm and Retentive Grading	Approved with Conditions	Active
2030115R	Swiftwater Solar Land Development	Years 3, 4 2020-2022	PAD450151	Infiltration Basins	Under Review	Pending
2030105R	Sanofi Pasteur, Inc. - B-85 Solid Waste and Recycling Building	Years 2, 3, 4 2019-2022	PAD450114	Rain Garden, Swale	Approved with Conditions	Active
2030141R	Core5 Warehouse (Warner Road) Land Development	Years 3, 4 2020-2022	Pending	Infiltration Basin, MRC Basin, Detention Basin	Under Review	Pending
2130146R	Stadden Group, LLC	Year 4 2021-2022	Pending	Infiltration Basins & Infiltration Berms	Under Review	Pending
2130150R	Cranberry Creek Apartments Land Development	Years 4, 5 2021-2023	Pending	Level Spreaders	Under Review	Pending
2130154R	The Ridge Land Development	Year 5 2022-2023	Pending	Bioretention Basins	Under Review	Pending
2130168R	Sanofi Pasteur, Inc. - B-83 Cold Storage Building	Year 4 2021-2022	PAD450114 Under Review	Infiltration Basin	Under Review	Pending
2230174R	330 Learn Road, Westhill Villas Land Development	Year 4 2021-2022	Pending	Stormwater Mangement/MRC Basins	Under Review	Pending
2230178R	Grossi Major Subdivision	Year 4 2021-2022	Pending	Rain Gardens, Infiltration Basin, Underground Infiltration Basin	Under Review	Pending
2230179R	Tannersville Inn Site (Wawa) Land Development	Year 5 2022-2023	Pending	Subsurface Stormater Bed	Under Review	Pending
2230191R	Sanofi Pasteur, Inc. - B-87 Line 10 Building	Year 4 2021-2022	Pending	Infiltration Basin & Rain Gardens	Under Review	Pending
2230193R	Core5 Warehouse (Stadden Road) Land Development	Year 5 2022-2023	Pending	Infiltration & Detention Basins	Under Review	Pending



BMP Nos. 1, 2, and 3 – BCRA Basins 1, 2, and 3

Taken from the PCSM – Tank Site Plan, Sheet PCSM 2, prepared by RKR Hess, dated June 14, 2019, revised November 22, 2019.

Infiltration Basins/Detention Basins

1. The infiltration basins shall be inspected every two months and after each large storm (in excess of 2 inches in 24 hours) for the first six months after construction. After this initial period, the facilities shall be inspected annually and after each large storm during the year. The following items should be checked at these times.
  - Check for clogging at outlet control.
  - Check for erosion on the grass areas.
  - Check for the accumulation of sediment in the inlets and outlet structure.
  - Inspect the condition of the outlet structure and outflow pipe.
  - Inspect for subsidence, cracking, bulging, sliding, animal burrows, and tree growth on the embankments.
  - Inspect the condition of the emergency spillway.
  - Inspect the horizontal and vertical alignment of the top of berm.
  - Check for the accumulation of sediment in basin bottom.
  - Insure adequate vegetation and ground cover in the basin, the embankments, and all surrounding areas.
  - Inspect the condition of the upstream and downstream channels.
  - Look for sources of erosion in the contributing drainage area.
2. The following items should be completed as part of routine maintenance.
  - The basin side slopes and berm shall be trimmed at least twice each year to prevent woody plant growth. The bottom of the basin shall be maintained to prevent woody plant growth.
  - All litter and debris in the basins shall be removed – particularly at the outlet structure and inlet areas.

3. Any problem found should be immediately corrected by the owner. The following list details several of the tasks that should be performed when applicable.
- Remove the accumulated sediment in the outlet and inlet structures.
  - Repair the outlet structure, inlets, and storm pipes, as required.
  - Remove accumulated trash, debris, and all other materials from all structures, including inlet grates and outlet structures.
  - Provide for nuisance control, if needed.
  - Repair washed out areas and repair with permanent stabilization.

**MCM #5, BMP #6**  
**PCSM BMP Selection, Sizing, and Inspection**

Pocono Township  
1630022  
June 30, 2022

1. Use of Structure and/or Nonstructural BMPs in Plans for Development and Redevelopment

Developers shall utilize the Township's Stormwater Management Ordinance and Subdivision and Land Development Ordinance, the Pennsylvania Department of Environmental Protection BMP Manual, and any other federal or state guidance to select the appropriate type of structural and/or nonstructural best management practices.

2. Selection and Sizing of Stormwater Management BMPs

Developers shall utilize the Township's Stormwater Management Ordinance and Subdivision and Land Development Ordinance, the Pennsylvania Department of Environmental Protection BMP Manual, and any other federal or state guidance to select the appropriate type of structural and/or nonstructural best management practices.

3. Inspection Program for BMP Installation

LVL Engineering Group performs site observations during construction activities to ensure stormwater management BMPs are installed per the approved development plan. In addition, and as required by Ordinance, as-built plans for all structural BMPs are required to be submitted with the associated calculations to ensure the constructed BMP meets the approved design.



Minimum Control Measure #6  
Pollution Prevention/Good Housekeeping

MS-4 NPDES PERMITTING YEAR 4 PUBLIC WORKS DEPARTMENT  
OPERATIONS & MAINTENANCE TRAINING SESSION  
POCONO TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 1630022

DATE: 9/28/22 TIME: 10:00 AM

	PRINTED NAME	SIGNATURE
1.	Tom SHICK	Tom Shick
2.	Robert Pasely	Robert Pasely
3.	Edmund Getz	Edmund Getz
4.	Mitch	Mitch
5.	Corey Sayre	Corey Sayre
6.	Connor McLue	Connor McLue
7.	KEVIN LAUTER	Kevin Lauter
8.		
9.	Jim Layso	Jim Layso
10.	Mike Ferrara	Mike Ferrara
11.	<del>Robert Sargent Jr</del>	ROBERT SARGENT JR.

## POCONO TOWNSHIP PUBLIC WORKS DEPARTMENT

### OPERATIONS & MAINTENANCE TRAINING SESSION

To be reviewed by all Public Works Employees

#### Introduction:

Pocono is considered a Municipal Separate Storm Sewer System or MS4 and must report to the Pennsylvania Department of Environmental Protection (PADEP) on a regular basis on specific criteria. One such requirement, under the program's Minimum Control Measure (MCM) #6: Pollution Prevention/Good Housekeeping, is that all employees of a Public Works Department receive associated periodic training. Employees are to be trained to perform their jobs while being mindful of preventing pollution from entering the Township's stormwater system.

Many of the points made in the Operations & Maintenance plans are common sense practices that should be followed for pollution prevention as well as for maintaining a safe working environment. The PADEP noted in a recent seminar that the EPA considers the efforts taken on Pollution Prevention/Good Housekeeping by the various Public Works Departments to be one of the most important parts of the prevention of stormwater pollution.

One of the main points to remember as part of the Public Works Department, and as a consumer of drinking water, is that any substance that is discharged, by whatever means, onto an impervious surface will almost always end up in the stormwater system and ultimately our drinking water supply source.

Although many of the pollutant sources that we will review may seem trivial, but when you multiply these various sources by the municipality's, or even the country's population, the effects are significantly greater.

Another point to be made is that, in general, the prevention of pollution is usually easier, and less costly, than cleaning it up later.

#### Plans to Be Reviewed and Updated as Necessary:

- Note that an updated Stormwater Management Ordinance, consistent with the DEP's 2022 Model Stormwater Management Ordinance is required to be adopted prior to June 2022.

#### Topics to Be Reviewed:

- Illicit Discharges and Possible Sources
  - Being aware to watch for illicit discharges as you perform your regular duties;
    - Construction Sites



- Excessive sediment on roads at construction entrance (or elsewhere that could easily enter the storm sewer system) Construction sediment may carry pollutants from the machinery into the storm sewer system.
  - Silt fence or sediment filter socks in need of repair; siltation is considered to be one of the greatest pollutants to our streams as it affects the aquatic life and can also contribute to flooding and/or flood patterns
  - Improper containment of trash-excessive litter
- Industrial/Businesses
  - Illegal dumping into storm system
  - Improper storage of materials
  - Improper containment of trash – excessive litter
- Private Swimming Pools (Chlorinated)
  - PADEP's Swimming Pool Guidelines: Residents should follow the guidelines outlined on the PA DEP's Fact Sheet under, "What if no public sewer is available?"
- Existing Stormwater Facilities
  - Being aware of the various stormwater management best management practices that you encounter, ESPECIALLY immediately after a storm event
  - Note and report if you observe any stormwater management best management practices that have structures that are clogged and/or require cleaning and/or repair
  - Be aware if you think any facility appears to have been altered without the proper authority
  - Items to note/report at any stormwater outfall as the following may be an indication of an illicit discharge:
    - Discoloration
    - Odor
    - Turbidity (cloudiness or haziness of a fluid)
    - Sheen or residue

- Floating or Submerged Solids
  - Soap bubbles
  - Adverse effects on plants/animals near outfall
  - Build Up of Sediment at end of outfall
- Although the following Sources of Stormwater Pollution may not specifically be issues that the Public Works Department needs to deal with on the job, these are issues that we all should be aware of in our daily lives. Please review and share with family and friends:
    - Pet Waste – An average size dog dropping contains 3 billion fecal coliform bacteria which can be harmful to your health. Pocono Township has approximately 3,734 households (2013-2017) and typically 40% of homes have a dog who could average two (2) poops/day. Doing the math, that works out to 8.9 billion fecal coliform bacteria per day that, if not picked up, could end up in the storm sewer system, especially if it is left in areas where it is easily washed into the system such as by the grassy areas near sidewalks where people tend to walk their dogs. Besides, it's just the right thing to do!
    - Over-use of Fertilizers – Always use the manufacturer's recommended amount of fertilizer as excess fertilizer is easily washed into the storm sewer system and can be detrimental to the aquatic life and our drinking water supplies. Make sure the fertilizers and herbicides are kept on grass surfaces and not spread onto driveways and sidewalks.
    - Grass clippings - While decomposing, grass clippings will use the available oxygen and produce carbon dioxide. If this process occurs in our streams and lakes, oxygen is being depleted from the waters and suffocating the aquatic life. Note that an average 1,000 square foot lawn can generate up to 500 pounds of grass clippings per year. Consider using your mulched grass clippings as a natural fertilizer or try time-released, water insoluble nitrogen fertilizers. Note that corn gluten can be used as a substitute for both weed control and herbicide.
    - Over-use of Deicing Agents – If possible, try to remove the snow before it turns to ice to eliminate using any chemicals at all. If deicing agents are necessary, apply deicing agents according to the manufacturer's recommendations or use alternatives to rock salt such as CMA deicer (Calcium Magnesium Acetate). If possible, clean up the deicing agents before they have a chance to be washed into the storm system.
    - Vehicle Maintenance – As with your work vehicles, personal vehicles should be maintained to prevent leaking motor oil or other fluids from entering the storm sewer system. Any leaks should be repaired as quickly as possible. If

changing your own oil, make sure to use a drip pan, clean up any spills, and always dispose of the used oil properly. Did you know that four (4) quarts of oil can form an eight (8) acre oil slick if dumped or spilled down a storm drain? It is recommended that cars are washed at commercial car washes where the wash water is filtered and recycled. If washing your car at home, do so on the lawn where the dirt and wash water can be naturally filtered. Make sure you use phosphate-free biodegradable detergents.

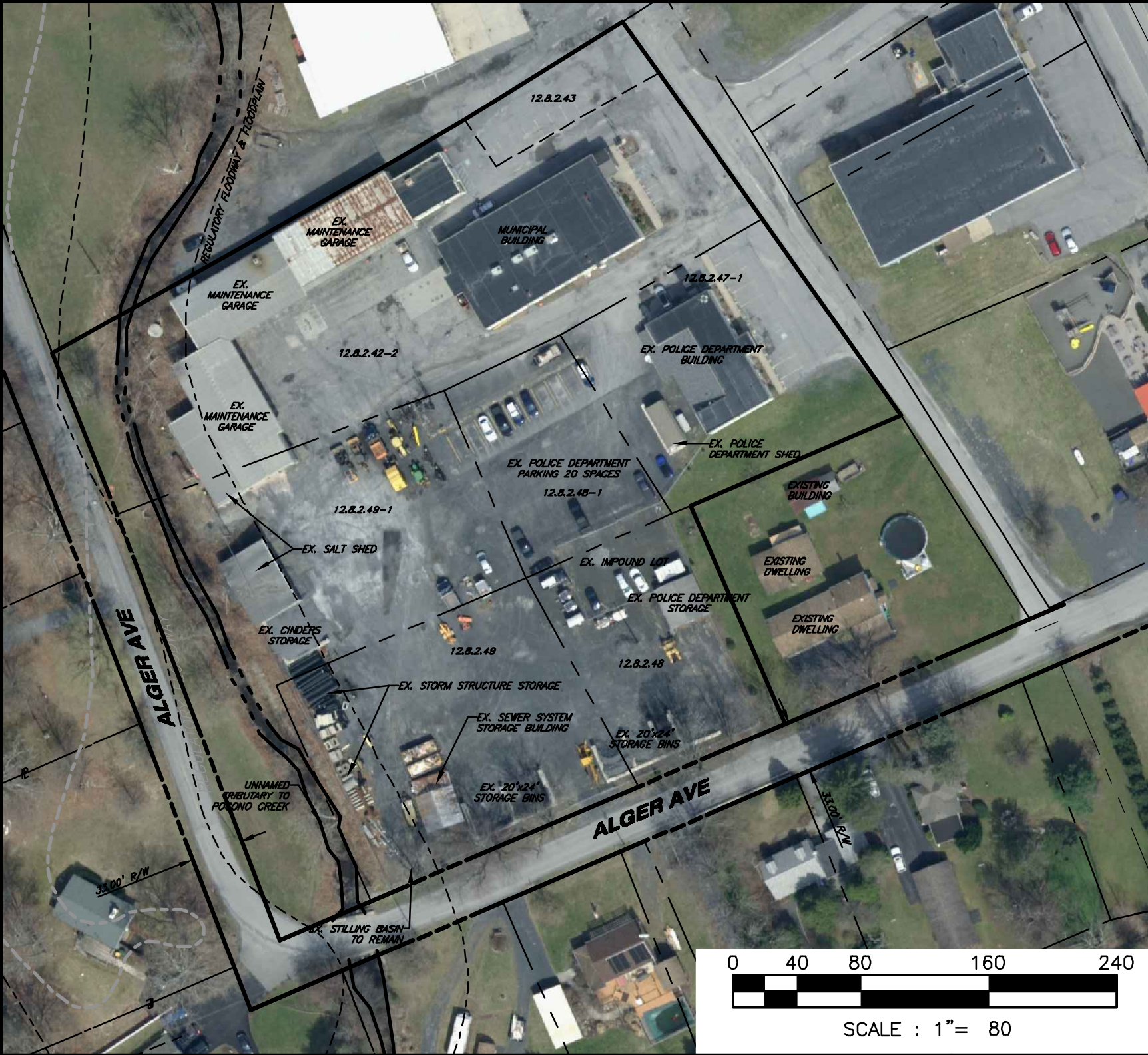
- Hazardous Materials – Dispose of hazardous materials properly – never into a storm drain. Government agencies typically have periodic hazardous material collection days. (Search “Hazardous Waste Collection Monroe County PA” to find a list of these dates.) Additionally, anything stored outdoors which could contain, or be covered in, any type of pollutant (such as oils, etc.) should be protected by a tarp so that in a rain event these pollutants are not washed into the storm system and ground water.
- No Dumping! – One of the initial catch phrases for the MS4 program is “Only Rain Down the Drain”. The main thing to remember is that only stormwater should be allowed to enter the storm sewer system, whether it is by storm inlets, or any other entry point of the system. Littering can be one of the main sources of pollution washed into the storm sewer system. Dispose of trash properly.







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LEGEND

- EXISTING BOUNDARY/PROJECT AREA
- EXISTING REGULATORY FLOODWAY
- EXISTING LEGAL RIGHT-OF-WAY
- EXISTING STREAM
- EXISTING ADJOINER BOUNDARY

GENERAL NOTES:

- EXISTING FEATURES TAKEN FROM AERIAL PHOTOGRAPHY AND ARE APPROXIMATE.
- THE PROJECT AREA IS WITHIN THE FLOODWAY AS SHOWN ON FEMA FLOOD MAP 42089C0266E, PANEL NO. 266 OF 535, EFFECTRIVE DATE MAY 2, 2013.

PROJECT : <b>POCONO TOWNSHIP MS-4</b> POCONO TOWNSHIP MONROE COUNTY, PA		JOB NO.: 1630022	TITLE : <b>EXISTING PUBLIC WORKS YARD PLAN</b>	
APPLICANT : <b>POCONO TOWNSHIP</b> 112 TOWNSHIP DRIVE TANNERSVILLE, PA 18372		DRAWN BY: TMJ	<b>Boucher &amp; James, Inc.</b> CONSULTING ENGINEERS DOYLESTOWN BETHLEHEM STROUDSBURG REGIONAL OFFICE PHYSICAL ADDRESS: 2756 RIMROCK DRIVE, STROUDSBURG, PA 18360 MAILING ADDRESS: P.O. BOX 699, BARTONSVILLE, PA 18321 VOICE: (570) 629-0300 FAX: (570) 629-0306 www.bjengineers.com	SHEET <b>1 OF 1</b>
		CHECKED BY: MEP		
		SCALE: 1" = 80'		
		PLAN STATUS: FINAL	PROJECT NAME : <b>POCONO TOWNSHIP MS-4</b>	DATE: JUNE 30, 2021

## POLLUTANT CONTROL MEASURES



Pollutant Control Measures - Pathogens Source Identification			Pocono Township 1630022 June 30, 2021
Pathogen Cause	Pathogen Source	Description	Pathogen Source Identification / Pollution Control Measures
Sewage	Combined Sewers	Combined sewers collect both stormwater and sanitary sewage in one system. During storm events the capacity of the system to treat the combined flow may be exceeded leading to the discharge.	The municipality does not have any combined sewer systems within the watershed. Routine outfall screenings, which are part of the overall MS-4 program, do not indicate that combined sewers are present.
	Leaking Sewers	Old or damaged public sewer infrastructure which allows for the discharge of untreated sewage. Discharges may occur due to leaks into nearby storm drains and/or to the ground surface.	Public sewer lines are located within the watershed. Routine outfall screenings which are part of the overall MS-4 program, do not indicate impacts to the storm sewer system from leaking sewers.
	Malfunctioning Septic Systems	Malfunctioning septic systems may discharged untreated sewage to the ground surface. Category also includes illegal or "wildcat" systems which discharge untreated sewage directly to the ground.	There is no knowledge of malfunctioning on-lot septic disposal systems within the watershed.
	Recreational Facilities	Intentional or accidental sewage or gray water discharges from marina facilities or boats. Pathogens can also occur due to swimming and the presence of pets at recreational facilities.	There are no permanent recreational facilities, such as marinas with comfort facilities, located on or immediately adjacent to the impacted waters. The small size of the waterbody is not conducive to larger watercraft.
Animal Waste	Manure Applications	The improper application of manure to agricultural fields can result in contamination of local waterways. Causes can include excessive application and the lack of buffer strips.	There are no agricultural activities within the watershed where the land application of manure is conducted. The Zoning Ordinance requires the location of manure storage and processing facilities be in conformance with the requirements of the Pennsylvania Nutrient Management & Odor Management Act, and that all manure be managed in a manner to comply with the Clean Streams Law and the practices prescribed by the Manure Management Manual.
	Grazing Livestock	Proper grazing management includes isolation of livestock from riparian zones, providing culverts or bridges for channel crossings and reducing overgrazing and erosion issues	There are no agricultural activities near the impacted waters which include grazing of livestock. The Zoning Ordinance regulates agricultural operations and notes that the provisions of the Nutrient Management Act, the Agricultural Area Security Law, and the Act Protecting Agricultural Operations from Nuisance Suits and Ordinances Under Certain Circumstances shall control.
	Large Concentrated Animal Operations	These include feeding operations, barnyards, etc. Impairment to surface waters can occur due to improper diversion of surface runoff and seepage/discharge from liquid manure storage areas.	There are no agricultural activities near the impacted waters which include grazing of livestock. The Zoning Ordinance regulates agricultural operations and notes that the provisions of the Nutrient Management Act, the Agricultural Area Security Law, and the Act Protecting Agricultural Operations from Nuisance Suits and Ordinances Under Certain Circumstances shall control.
	Backyard Animal Operations	These include small backyard animal operations, typically the raising of chickens on residential properties. Improper setbacks and disposal of wastes can lead to impacts to surface waters.	The Zoning Ordinance regulates the keeping of backyard animals on residential property. Domestic animals kept as pets shall be permitted when such animals are owned by the occupants of the property in which they are kept and the animals are kept in accordance with public health, safety, welfare and nuisance regulations based upon the types of animals and the manner in which they are kept.
	Pet Boarding	Pet boarding and other similar facilities can impact surface water quality due to the improper management of pet waste.	Pet boarding facilities operate within the watershed of the impacted waters. The Zoning Ordinance regulates boarding facilities.
	Pet Waste/Dog Parks	Failure of dog owners to clean up after their pets can lead to significant impacts to local bodies during storm events.	Information concerning cleaning up after your pet is distributed through the MS-4 program. There are no public dog parks in the watershed.
	Wildlife	Fecal matter from wildlife, typically waterfowl, can be a significant source of pathogens in some watersheds. This impact can be exacerbated due to feeding of waterfowl and the presence of	There are areas along streams and at existing ponds where waterfowl congregate. Educational materials concerning the negative impacts from feeding wildlife is distributed through the MS-4 program.