

**MS-4 2018 PERMIT YEAR 5 STATUS REPORT  
JULY 1, 2021 – JUNE 30, 2022  
PERMIT NO. PAI32266**

**SMITHFIELD TOWNSHIP  
MONROE COUNTY, PA**

Project No. 1632168

September 19, 2022

**Prepared For:**

Smithfield Township  
1155 Red Fox Road  
East Stroudsburg, PA 18301

Prepared By:



***Corporate Headquarters***  
559 Main Street, Suite 230  
Bethlehem, PA 18018  
610.419.9407

***Regional Office***  
2756 Rimrock Drive  
Stroudsburg, PA 18360  
570.629.0300

***Regional Office***  
1456 Ferry Road, Bldg. 500  
Doylestown, PA 18901  
215.345.9400



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

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

GENERAL INFORMATION					
Permittee Name:	Smithfield Township	NPDES Permit No.:	PAI132266		
Mailing Address:	1155 Red Fox Road	Effective Date:	09/01/2018		
City, State, Zip:	East Stroudsburg, PA 18301	Expiration Date:	08/31/2023		
MS4 Contact Person:	Jacob A. Pride	Renewal Due Date:	09/01/2023		
Title:	Chairman, Board of Supervisors	Municipality:	Smithfield		
Phone:	(570) 223-5082	County:	Monroe		
Email:	jacob@smithfieldtownship.net				
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?
Brodhead Creek	TSF	Yes	Pathogens	No	No
Sambo Creek	CWF	Yes	Siltation	No	No
Delaware River	WWF	No	N/A	No	No



**GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION**

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

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

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Smithfield Township	Jacob A. Pride	570-223-5082
#2 Public Involvement/Participation	Smithfield Township	Jacob A. Pride	570-223-5082
#3 Illicit Discharge Detection and Elimination (IDD&E)	Smithfield Township	Jacob A. Pride	570-223-5082
#4 Construction Site Storm Water Runoff Control	Smithfield Township	Jacob A. Pride	570-223-5082
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Smithfield Township	Jacob A. Pride	570-223-5082
#6 Pollution Prevention / Good Housekeeping	Smithfield Township	Jacob A. Pride	570-223-5082

**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: June 30, 2022      Were updates made?     Yes     No

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

Communication Channels

- a. Smithfield Township has included an MS-4 tab on the Township website. Smithfield Township will continue to provide municipal stormwater related material to the target audience through this designated tab.
- b. Smithfield 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 will 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 access to the Municipal Building lobby, the Township website and newsletter, social media, and email/text alerts.

Distribution Methods

- a. Smithfield Township Website – [www.smithfieldtownship.com](http://www.smithfieldtownship.com)
- b. Smithfield Township Municipal Building lobby  
1155 Red Fox Road, East Stroudsburg, PA 18301
- c. Smithfield Township Facebook
- d. Smithfield Township Newsletter
- e. Texts and Email Alerts

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:

Communication Channels

- a. Smithfield Township has included an MS-4 tab on the Township website. Smithfield Township will continue to provide municipal stormwater related material to the target audience through this designated tab.
- b. Smithfield 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 will 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 access to the Municipal Building lobby, the Township website and newsletter, social media, and email/text alerts.

Distribution Methods

- a. Smithfield Township Website – [www.smithfieldtownship.com](http://www.smithfieldtownship.com)
- b. Smithfield Township Municipal Building lobby  
1155 Red Fox Road, East Stroudsburg, PA 18301
- c. Smithfield Township Facebook
- d. Smithfield Township Newsletter
- e. Texts and Email Alerts

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

1. For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?

Yes  No

2. Date of latest annual review of target audience lists: June 30, 2022      Were updates made?  Yes  No

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

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

Yes  No

2. Date of latest annual review of educational materials: June 30, 2022      Were updates made?  Yes  No

3. Do you have a municipal website?  Yes  No (URL: <https://smithfieldtownship.com/>)

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

Year 1, Year 2, and Year 3 Status Reports, EPA Stormwater Phase II Final Rule, Protect Our Watershed-Summer Tips, What Is MS-4?, Stormwater Management Pamphlet, July "Summer Tips", Water Efficient Landscaping, When It Rains, It Drains, Illicit Discharges

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:  
Facebook, Newsletter distributed via email and website, and paper copies of material in the Municipal Building Lobby.

5. 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 material was distributed through four (4) outlets; the Township website, Facebook, monthly newsletter (via email and website), 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)**

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

Yes  No

2. Date of latest annual review of PIPP: 6/30/2022      Were updates made?  Yes  No



**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: N/A

2. Date of last update or revision to map(s): 06/30/17

3. Total No. of Outfalls in MS4: 2      Total No. of Outfalls Mapped: 2

4. Total No. of Observation Points: 14      Total No. of Observation Points Mapped: 14

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: N/A

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): 06/30/17

**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.

How many unique outfalls (and if applicable observation points) were screened during the reporting period? 16

None were observed during this reporting period. Will be observed during the Year 4 reporting period.

Indicate the percentage of all outfalls screened in the past five years. 100% both in 2020 and 2022

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 0% \*some outfalls discharge to streams where dry weather flow is impossible

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: 12/8/15

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. It is anticipated the amendment will be advertised and adopted during the Year 4 reporting period.

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

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

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

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

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

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

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

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period?  Yes  No  
If Yes, what was distributed? Illicit Discharge Detection & Elimination Program
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:**

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

If Yes, indicate the date of the ordinance or SOP: 10/11/2016

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

Submitted with the Year 1 Status Report

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

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

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

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

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

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

Specify the number of enforcement actions you took during the reporting period for improper E&S:

**BMP #7: Develop and implement requirements for construction site operators to control waste at construction sites that may cause adverse impacts to water quality. The permittee shall provide education on these requirements to construction site operators.**

Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:

**BMP #8: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public to the permittee regarding local construction activities.**

1. A tracking system has been established for receipt of public inquiries and complaints.  Yes  No N/A
2. Specify the number of inquiries and complaints received during the reporting period: |

**MCM #4 Comments:**

The Stormwater Management Ordinance was reviewed and revised per the Model 2022 Ordinance. It is anticipated that the amendment will be advertised and adopted during the Year 4 reporting period.

**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: 10/11/2016

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

Submitted with the Year 1 Status Report.

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 against the Model 2022 Ordinance, and revised. It is anticipated the amendment will be advertised and adopted during the Year 4 reporting period.

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)?  Yes  No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

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

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

**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): 3
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	Dollar General - Basin 1	0.90	Dollar General	41°02'17"	75°08'13"	11/2016	<ul style="list-style-type: none"> <li>•All catch basins, culverts, and outlet structures shall be inspected and cleaned at least two times per year and immediately after runoff events.</li> <li>•While vegetation is being established, pruning and weeding will be performed as necessary. Weeds are to be removed thereafter by hand.</li> <li>•Detritus may also need to be removed approximately twice per year.</li> <li>•Inspection shall be made at least twice yearly for sediment build-up, erosion, vegetative conditions, etc.</li> <li>•If the basins have standing water after 72 hours, the plugged caps installed in the outlet structures should be removed and an engineer should be contacted in order to correct basin</li> </ul>	PAG2004515001
2	Dollar General - Basin 2	0.52						

							dewatering/infiltration issues.	
3	Life Storage- Detention Beds 1,2, 3	1.41	Life Storage	41°02'02"	75°08'31"	04/2016	<ul style="list-style-type: none"> <li>• All basin structures expected to received and/or trap debris and sediment should be inspected for clogging and excessive debris and sediment accumulation at least four times per year, as well as after every storm greater than 1 inch.</li> <li>• Structures include basin bottoms, trash racks, outlets structures, riprap or gabion structures, and inlets.</li> <li>• Sediment removal should be conducted when the basin is completely dry. Sediment should be conducted when the basin is completely dry. Sediment should be disposed of properly and once sediment is removed, disturbed areas need to be immediately stabilized and revegetated.</li> <li>• Mowing and/or trimming of vegetation should be performed as necessary to sustain the system, but all detritus</li> </ul>	N/A

								<p>should be removed from the basin.</p> <ul style="list-style-type: none"> <li>• Vegetated areas should be inspected annually for erosion.</li> <li>• Vegetated areas should be inspected annually for unwanted growth of exotic/invasive species.</li> <li>• Vegetative cover should be maintained at a minimum of 95 percent. If vegetative cover has been reduced by 10%, vegetation should be reestablished.</li> </ul>	
4	Life Storage- Detention Bed A	0.46	Life Storage	41°02'02"	75°08'31"	04/2016	<ul style="list-style-type: none"> <li>• All basin structures expected to received and/or trap debris and sediment should be inspected for clogging and excessive debris and sediment accumulation at least four times per year, as well as after every storm greater than 1 inch.</li> <li>• Structures include basin bottoms, trash racks, outlets structures, riprap or gabion structures, and inlets.</li> <li>• Sediment removal should be conducted when the basin is completely dry. Sediment should be conducted when the</li> </ul>	N/A	

							<p>basin is completely dry. Sediment should be disposed of properly and once sediment is removed, disturbed areas need to be immediately stabilized and revegetated.</p> <ul style="list-style-type: none"> <li>• Mowing and/or trimming of vegetation should be performed as necessary to sustain the system, but all detritus should be removed from the basin.</li> <li>• Vegetated areas should be inspected annually for erosion.</li> <li>• Vegetated areas should be inspected annually for unwanted growth of exotic/invasive species.</li> <li>• Vegetative cover should be maintained at a minimum of 95 percent. If vegetative cover has been reduced by 10%, vegetation should be reestablished.</li> </ul>	
5	Life Storage- Swale 1	0.45	Life Storage	41°02'02"	75°08'31"	04/2016	<p>Maintenance activities to be done annually and within 48 hours after every major storm event (&gt;1 inch rain fall depth):</p> <ul style="list-style-type: none"> <li>• Inspect and correct erosion problems, damage to vegetation, and sediment and debris</li> </ul>	N/A



							<p>erosion control measures when native soil is exposed or erosion channels are forming</p> <ul style="list-style-type: none"> <li>• Rototill and replant swale if draw down time is more than 48 hours</li> <li>• Inspect and correct check dams when signs of altered water flow (channelization, obstructions, erosion, etc.) are identified</li> <li>• Water during dry periods, fertilize, and apply pesticide only when absolutely necessary</li> </ul> <p>Winter conditions also necessitate additional maintenance concerns, which include the following:</p> <ul style="list-style-type: none"> <li>• Inspect swale immediately after the spring melt, remove residuals (e.g. sand) and replace damaged vegetation without disturbing remaining vegetation.</li> <li>• If roadside or parking lot runoff is directed to the swale, mulching and/or soil aeration/manipulation</li> </ul>	
--	--	--	--	--	--	--	---	--





6	Detention Beds A & B	0.77	Medical Road	41°02'12"	75°08'13"	01/2099	<ul style="list-style-type: none"> <li>•All stormwater facilities are to be checked for damage quarterly, and after each major storm event. All facilities that are damaged, clogged or no longer function as intended shall be cleaned, repaired and/or replaced.</li> <li>•All sediment removed from the inlet pumps shall be disposed of in a manner that will not cause erosion or sediment pollution.</li> <li>•Any permanent seeded areas that become eroded or disturbed shall have the topsoil replaced, the grass re-sown and mulch applied, or sod may be installed.</li> <li>•The site shall be kept clean of trash and debris. Weekly inspections of the grounds should be performed to collect and remove trash and debris in an approved manner.</li> </ul>	PAG2004506002
7	Detention Bed D	0.30	Professional Building					
8	Detention Bed C	1.03						
9	Regraded Depression	19.37						
10				0 1 "	0 1 "			
11				0 1 "	0 1 "			
12				0 1 "	0 1 "			
13				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 design and sizing of all BMPs is in accordance with the current Stormwater Management Ordinance.

The Stormwater Management Ordinance was reviewed and revised per the Model 2022 Ordinance. It is anticipated that the amendment will be advertised and adopted during the Year 4 reporting period.

**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. Additional facilities will be identified during this reporting period. Refer to the Smithfield Township MS-4 Facilities Map dated April 29, 2020.
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: 6/30/2021

Date of latest training: 06/01/2022

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)	06/30/2017	<input type="checkbox"/>	
Source Inventory	06/30/2021	<input checked="" type="checkbox"/>	
Investigation of Suspected Sources		<input type="checkbox"/>	09/30/2023
Ordinance/SOP for Controlling Animal Wastes	06/22/2004	<input checked="" type="checkbox"/>	

**PCM Comments:**

The Storm Sewershed Map was previously provided. Should storm sewer change, a revised map will be provided at that time.

There were no occurrences that prompted investigation into the source inventory and possible suspected sources.

**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	08/21/18	Brodhead Creek and Sambo 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)	75,428		
<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: 08/31/2023

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.

A partial reduction of the required sediment loading will be achieved through the construction of proposed best management practices.

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)
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<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?
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<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.

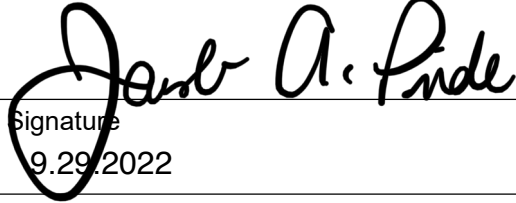
**For All Permittees:** I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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).

Jacob A. Pride

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

(570) 223-5082

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

  
\_\_\_\_\_  
Signature

9.29.2022

\_\_\_\_\_  
Date

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



**Minimum Control Measure #1**

Public Education and Outreach on Stormwater Impacts

Smithfield Township

1632168

June 30, 2022

Document	Website	Newsletter	Facebook	Municipal Lobby
What is MS-4?	x			
Yearly Status Reports	x			
Protect Our Watershed Summer Tips	x	x	x	
EPA Stormwater Phase II Final Rule	x			
Public Presentation, Smithfield Township's MS-4 Program, June 2021	x			
Water-Efficient Landscaping	x			
When it Rains, It Drains	x			
Illicit Discharge Detection & Elimination Plan	x	x	x	
Public Presentation, Smithfield Township's MS-4 Program, June 22, 2022	x			
Knotweed: An Invasive Plant to PA		x	x	
Winterize Your Rain Barrel		x		
Successful Recycling in Retail Operations		x		
Recycle Your Christmas Tree		x	x	
Clean Up After Your Pet		x	x	
Protect Drinking Water			x	
Recycling in Retail		x	x	

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

Smithfield Township  
1632168  
June 30, 2022

Communication Channels

1. Smithfield Township has included an MS-4 tab on the Township website. Smithfield Township will continue to provide municipal stormwater related material to the target audience through this designated tab.
2. Smithfield 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 will 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 access to the Municipal Building lobby, the Township website and newsletter, social media, and email/text alerts. A target audience list has also been created including business and property owners should they need to be notified for any reason under the Township's MS-4.

Distribution Methods

1. Smithfield Township Website – [www.smithfieldtownship.com](http://www.smithfieldtownship.com)
2. Smithfield Township Municipal Building lobby  
1155 Red Fox Road, East Stroudsburg, PA 18301
3. Smithfield Township Facebook
4. Smithfield Township Newsletter
5. Texts and Email Alerts

Minimum Control Measure #1		Smithfield Township
Target Audience List		1632168 June 30, 2022
Property Owner's Name	Address	Parcel ID
EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA OF THE STATE & SYSTEM OF HIGHER EDUCATION	562 INDEPENDENCE RD EAST STROUDSBURG, PA 18301	16.110956
RMMI, INC	561 INDEPENDENCE RD EAST STROUDSBURG PA 18301	16.8.2.21-7
S & K HOSPITALITY, LLC	838 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.8.2.21-4
CJD PROPERTY MANAGEMENT, LLC	832 SEVEN BRIDGE RD MOUNT BETHEL PA 18343	16.110011
POCONO GAS STATIONS, INC	834 SEVEN BRIDGE RD STROUDSBURG PA 18360	16.8.2.21-5
JAMES D MORRISSEY, INC	831 SEVEN BRIDGE RD PHILADELPHIA PA 19114	16.8.2.21-6
DEPG MOSIER ASSOCIATES, LP	824 SEVEN BRIDGE RD CONSHOHOCKEN PA 19428	16.8.2.7
DEPG SEVEN BRIDGE ASSOCIATES	815 SEVEN BRIDGE RD CONSHOHOCKEN PA 19428	16.8.2.29
805 SEVEN BRIDGE ASSOCIATES, LLC	805 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.8.2.30-2
RICCOBONO, FRANK J	791 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.8.2.30-4
BURAK, DAVID B & TRUDI A	808 SEVEN BRIDGE RD DINGMANS FERRY PA 18328	16.8.2.6
THE SEVEN BRIDGES GROUP	804 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.8.2.5
DEPG MOSIER ASSOCIATES, LP	112 HOUSERVILLE LN CONSHOHOCKEN PA 19428	16.8.2.2
RICCOBONO, FRANK J	789 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.8.2.30-5
DEPG MOSIER ASSOCIATES, LP	758 SEVEN BRIDGE RD CONSHOHOCKEN PA 19428	16.8.2.1
KAS INVESTMENT GROUP, LLC	765 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.93759
KENBAR INVESTMENT GROUP	104 MUSIC CENTER DR MARSHALLS CREEK PA 18335	16.7.3.39
LEVINE, JEFFREY C, ETAL	110 MUSIC CENTER DR EAST STROUDSBURG PA 18301	16.7.3.40
GERRY, JOSEPH A, SR	709 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.8.1.3-1
PIERCE, DAVID W & LEONA F	115 LANDING LN E STROUDSBURG PA 18301	16.8.1.49
BMJ MORTGAGES, LP	696 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.8.1.2
STROUDSBURG BUS TERMINAL, INC	545 INDEPENDENCE RD WILKES BARRE PA 18773	16.8.2.21
DEW GAP, LLC	526 INDEPENDENCE RD STROUDSBURG PA 18360	16.8.2.20-1
HPHIII LEHIGH VALLEY 511, LLC	511 VNA RD MILWAUKEE WI 53202	16.94462
EDINGER, PAUL A, ETAL	500 VNA RD STROUDSBURG PA 18360	16.8.2.16
DEW GAP, LLC	232 INDEPENDENCE RD STROUDSBURG PA 18360	16.119498
WRH EQUITY HOLDINGS, LLC	230 INDEPENDENCE RD EAST STROUDSBURG PA 18301	16.8.2.13-1
IBOLIT, LLC	228 INDEPENDENCE RD EAST STROUDSBURG PA 18301	16.119497
HANNIG, CHARLES M & JOAN L	200 PLAZA CT CRESCO PA 18326	16.113922
POCONO MEDICAL CENTER	PLAZA CT /RT 447 EAST STROUDSBURG PA 18301	16.94798
IDOX, LLC	300 PLAZA CT EAST STROUDSBURG PA 18301	16.113926
PBPC PROPERTIES, L L C	600 PLAZA CT E STROUDSBURG PA 18301	16.113924
PIMS PROPERTIES, LP	500 PLAZA CT LAKEWOOD RANCH FL 34211	16.113925
DEIN PROPERTIES, LP	100 PLAZA CT STROUDSBURG PA 18360	16.7.2.69
SMITH, ANDREW J & DEBRA M	210 INDEPENDENCE RD ANALOMINK PA 18320	16.7.2.68-1
ST LUKE'S HOSPITAL-MONROE CAMPUS	3 PARKINSONS RD BETHLEHEM PA 18015	16.93115
HPHIII LEHIGH VALLEY 5050, LLC	PA RT 447 MILWAUKEE WI 53202	16.8.2.10
HPHIII LEHIGH VALLEY 505, LLC	505 INDEPENDENCE RD MILWAUKEE WI 53202	16.8.2.12
METROPOLITAN EDISON, CO	231 INDEPENDENCE RD MORRISTOWN NJ 07962	16.8.2.13-2

POCONO MEDICAL CENTER	400 PLAZA CT EAST STROUDSBURG PA 18301	16.93085
POCONO MECICAL CENTER	400 PLAZA CT EAST STROUDSBURG PA 18301	16.93084
EMMES 36TH CO, LLC	PLAZA CT PIERMONT NY 10968	16.113923
ARCH, GERALD G	PA RT 447 FLANDERS NJ 07836	16.8.2.13-4
MANAGIT, LLC	215 INDEPENDENCE RD STROUDSBURG PA 18360	16.7.2.70
POCONO MEDICAL CENTER D/B/A LEHIGH VALLEY HOSPITAL	179 INDEPENDENCE RD EAST STROUDSBURG PA 18301	16.7.2.72-1
EAST STROUDSBURG, UNIVERSITY OF	400 E BROWN ST EAST STROUDSBURG PA 18301	16.8.2.24
COLUMBIA GAS	416 E BROWN ST CHARLESTON W VA 25314	16.8.2.25
EAST STROUDSBURG UNIVERSITY	412 E BROWN ST EAST STROUDSBURG PA 18301	16.94043
391 EAST BROWN STREET, LLC	393 E BROWN ST EAST STROUDSBURG PA 18301	16.8.2.24-2
KENBAR INVESTMENT GROUP	383 E BROWN ST MARSHALLS CREEK PA 18335	16.8.2.43
SMITH, CHESTER L, JR MD	371 E BROWN ST EAST STROUDSBURG PA 18301	16.110164
KOTCO ASSOCIATES, LP	367 E BROWN ST BETHLEHEM PA 18020	16.8.2.44
THE COMMONWEALTH OF PENNSYLVAN	125 FINE ARTS DR HARRISBURG PA 17125	05-1.4.1.29
ROCK-TENN CONVERTING COMPANY	242 PAPER MILL RD DULUTH GA 30096	16.8.2.38
ROCK-TENN CONVERTING COMPANY	PA RT 402 PAPER MILL RD DULUTH GA 30096	16.8.2.31-10
THE MANWALAMINK WATER CO	123 RIVER RD SHAWNEE ON DELAWARE PA 18356	16.8.1.20-17
HAVE A HAPPY DAY, INC	110 POST OFFICE RD SHAWNEE ON DELAWARE PA 18356	16.8.1.15
LICHTY, MARK, ETAL	103 FIVE STAR LN EAST STROUDSBURG PA 18301	16.8.1.40
LICHTY, MARK, ETAL	107 FIVE STAR LN EAST STROUDSBURG PA 18301	16.8.1.40-3
EAST STROUDSBURG AREA SCHOOL DISTRICT	245 RIVER RD EAST STROUDSBURG PA 18301	16.8.1.32
SHAWNEE COMMONS CORPORATION	1200 BUTTERMILK FALLS RD SHAWNEE ON DELAWARE PA 18356	16.92243
SHAWNEE SQUARE, LP	106 SHAWNEE SQUARE DR SE SHAWNEE ON DELAWARE PA 18356	16.3.2.37
SHAWNEE SQUARE, LP	RIVER RD T 663 SHAWNEE ON DELAWARE PA 18356	16.113533
SHAWNEE SQUARE, LP	107 SHAWNEE SQUARE DR SE SHAWNEE ON DELAWARE PA 18356	16.113532
LIGHT OF THE WORLD CHURCH, INC	114 ACADEMY DR SHAWNEE ON DELAWARE PA 18356	16.2.1.16-1
DEPUY I, I LP	266 RIVER RD SHAWNEE ON DELAWARE PA 18356	16.94115
SHAWNEE HOLDING, INC	LR 45061 SHAWNEE ON DELAWARE PA 18356	16.2.1.1-3
UNITED STATES OF AMERICA	MAPLE ST WASHINGTON DC 20000	16.2.2.1
SHAWNEE HOLDING, INC	MAPLE ST SHAWNEE ON DEL PA 18356	16.2.2.42-1
SHAWNEE HOLDING, INC	S OF MAPLE ST SHAWNEE ON DELAWARE PA 18356	16.2.2.42
UNITED STATES OF AMERICA	S OF MAPLE ST WASHINGTON DC 20000	16.2.2.45
UNITED STATES OF AMERICA	S OF MAPLE ST WASHINGTON DC 20000	16.2.2.43
UNITED STATES OF AMERICA	S OF MAPLE ST WASHINGTON DC 20000	16.2.2.44
UNITED STATES OF AMERICA	S OF MAPLE ST WASHINGTON DC 20000	16.2.2.41
UNITED STATES OF AMERICA	DELAWARE AVE WASHINGTON DC 20000	16.2.2.25
SHAWNEE HOLDING, INC	DELAWARE AVE SHAWNEE ON DELAWARE PA 18356	16.2.2.42-2
UNITED STATES OF AMERICA	E OF DELAWARE AVE WASHINGTON DC 20000	16.2.2.23
BOROUGH OF E STROUDSBURG	WOODS RD E STROUDSBURG PA 18301	16.7B.3.34
CALVERY BIBLE CHURCH OF EAST	9 3 POINT GARDEN RD E STROUDSBURG PA 18301	16.7.2.41
GANGEMI, NICOLA	65 INDEPENDENCE RD RANDOLPH NJ 07869	16.7.2.53

EAST STROUDSBURG AREA SCHOOL DISTRICT	93 INDEPENDENCE RD EAST STROUDSBURG PA 18301	16.94217
EAST STROUDSBURG AREA SCHOOL	2000 MILFORD RD E STROUDSBURG PA 18301	16.7.2.31
MWR ENTERPRISES, LLC	800 MILFORD RD TEANECK NJ 07666	16.10.1.23-7
CROMPTON, JAMES H, SR & TERESA	799 MILFORD RD E STROUDSBURG PA 18301	16.10.1.17
COBB PROPERTIES, LLC	2003 MILFORD RD EAST STROUDSBURG PA 18301	16.10.1.25
COBB, RICK	1993 MILFORD RD EAST STROUDSBURG PA 18301	16.10.1.24
HALTERMAN, JAMES W & SHIRLEY M	510 FAWN RD SAYLORSBURG PA 18353	17.3.1.66
MILFORD COMMONS APARTMENTS, LLC	302 COMMONS CT EAST STROUDSBURG PA 18301	16.10.1.35
SMITHFIELD SEWER AUTHORITY	117 IVY LN EAST STROUDSBURG PA 18301	16.10.2.24-4
BRODHEADSVILLE STORAGE, LP	2035 MILFORD RD BANGOR PA 18013	16.10.1.32-1
DENG, ALEX	1178 VALHALLA DR EAST STROUDSBURG PA 18301	16.10.1.32-3
E STBG CONGREGATION	2036 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.13
BRODHEADSVILLE STORAGE, LP	2044 MILFORD RD BANGOR PA 18013	16.7.1.15
BURNLEY NOEL, BRUCE, JR & JILL ANN	2072 MILFORD RD ANALOMINK PA 18320	16.7.1.21
2080 MILFORD, LLC	2080 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.21-1
MT TOM ROAD PROPERTIES, LLC	1027 MT TOM RD EAST STROUDSBURG PA 18301	16.7.1.23
R FAMILY UNIT, LLC	2111 MILFORD RD BANGOR PA 18013	16.7.1.25
D ROMAN PROPERTIES, LLC	2115 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.25-1
THE GHC GROUP, LLC	1057 MT TOM RD EAST STROUDSBURG PA 18301	16.7.1.27
SGS PRIME, LLC	2199 MILFORD RD E STROUDSBURG PA 18302	16.7.1.26
PARIVAR, LLC	2220 MILFORD RD E STROUDSBURG PA 18301	16.7.1.28
COAL REALTY, LLC	2203 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.26-4
SMITHFIELD VETERINARY PROPERTY	2230 MILFORD RD MILFORD PA 18337	16.7.1.29-1
MT TOM ROAD PROPERTIES, LLC	2261 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.32
RR2 AIRPORT ROAD, LLC	119 AIRPORT RD EAST STROUDSBURG PA 18301	16.7.1.35
RR 2 AIRPORT ROAD, LLC	127 AIRPORT RD EAST STROUDSBURG PA 18301	16.117447
RR2 AIRPORT ROAD, LLC	139 AIRPORT RD EAST STROUDSBURG PA 18301	16.7.1.38
PITTALA, RICHARD E	T 536 BLAIRSTOWN NJ 07825	16.7.1.5-5
RR 2 AIRPORT ROAD, LLC	146 AIRPORT RD EAST STROUDSBURG PA 18301	16.93107
BROWN, ROBERT G & ANNIE	2275 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.41
PANG, DANNY & YUK LAN	1140 MT TOM RD EAST STROUDSBURG PA 18301	16.7.1.43
MUIR, ERROL W	2291 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.40
MUIR, ERROL W	2295 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.46
2309 MILFORD RD, LLC	2309 MILFORD RD LANCASTER PA 17603	16.7.1.39
LIFE STORAGE, LP	104 JOEL ST WILLIAMSVILLE NY 14221	16.7C.1.50
LIFE STORAGE, LP	LAWTON RD WILLIAMSVILLE NY 14221	16.7C.1.47
SCHUCHMAN, PAUL & JUDITH E, ETAL	2487 MILFORD RD MARSHALLS CREEK PA 18335	16.7.1.64
BABY BEAR ENTERPRISE, LLC	2490 MILFORD RD BLACKWOOD NJ 08012	16.7.2.9-1
POCONO 57 MANAGEMENT COR,P LLC	9091 FRANKLIN HILL RD BLACKWOOD NJ 08012	16.7.2.9
RPC STROUDSBURG, LLC	9073 FRANKLIN HILL RD DALLAS TX 75380	16.9271
SCHRENKO, LOUIS S JR & PAMELA H	2523 MILFORD RD EAST STROUDSBURG PA 18301	16.7.1.64-2

MCGWYNE MANAGEMENT, LLC	9090 FRANKLIN HILL RD EAST STROUDSBURG PA 18301	16.7.2.7
DREISBACH, W SCOTT & KATHERINE J	9080 FRANKLIN HILL RD MARSHALLS CREEK PA 18335	16.7.2.8
SATH, LLC	9070 FRANKLIN HILL RD EAST STROUDSBURG PA 18301	16.7.2.8-1
KOUTRAKO,S GREGORY	2506 MILFORD RD EAST STROUDSBURG PA 18301	16.7.2.5
SCHUCHMAN, PAUL & JUDITH E, ETAL	2525 MILFORD RD MARSHALLS CREEK PA 18335	16.7.1.80
NIJI SHAKTI, LLC	2535 MILFORD RD FLEMINGTON NJ 08822	16.7.1.80-2
2575 MILFORD, LLC	2575 MILFORD RD HAVERTOWN PA 19083	16.6.1.47
RUSIECKI, ROMAN & GRAZYNA	2583 MILFORD RD WEST ISLIP NY 11795	16.5.1.19
RUSIECKI, ROMAN & GRAZYNA	2585 MILFORD RD WEST ISLIP NY 11795	16.5.1.19-1
MAULA, ANTHONY & MARLENE	2591 MILFORD RD STROUDSBURG PA 18360	16.5.1.17
AMERICA'S BUSINESS SOLUTION LLC	2600 MILFORD RD BOCA RATON FL 33432	16.5.1.20
MC VILLAGE, LP	2610 MILFORD RD PITTSTON PA 18640	16.5.1.21
MC VILLAGE, LP	2610 MILFORD RD PITTSTON PA 18640	16.5.1.20-1
PANDA'S PUB, LLC	2601 MILFORD RD ALLENTOWN PA 18103	16.5.1.6
RPC STROUDSBURG, LLC	202 DARTMOUTH DR DALLAS TX 75380	16.5.2.2
RICCOBONO, FRANK J	149 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.5.1.23
HELLSTROM, VICTOR & TONE M	123 COLUMBIA DR MARSHALLS CREEK PA 18335	16.5.2.14
RICCOBONO, FRANK J	151 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.5.2.13
J PARK PLAZA, LLC	106 COLUMBIA DR EAST STROUDSBURG PA 18301	16.5.2.11
RPC STROUDSBURG, LLC	324 DARTMOUTH DR DALLAS TX 75380	16.5.2.10
METROPOLITAN EDISON CO	185 SEVEN BRIDGE RD MORRISTOWN NJ 07962	16.5.1.22-1
SUNBURST CORP	208 DARTMOUTH DR ARCHBALD PA 18403	16.5.2.15
TREIBLE, RUSSELL E & NANCY	201 DARTMOUTH DR MARSHALLS CREEK PA 18335	16.117138
SWOREN, JOSEPH A	207 DARTMOUTH DR MARSHALLS CREEK PA 18335	16.5.2.3
CAPPA, JOSEPH C	217 DARTMOUTH DR MARSHALLS CREEK PA 18335	16.5.2.4
MOUNTAIN STREAM BAPTIST CHURCH, INC	305 DARTMOUTH DR BUSHKILL PA 18324	16.5.2.6
FISH, PATRICIA B	309 DARTMOUTH DR EAST STROUDSBURG PA 18301	16.5.2.7
MARSHALLS CREEK, LLC	315 DARTMOUTH DR ELMWOOD PARK NJ 07407	16.5.2.8
SMITH, FRANK	323 DARTMOUTH DR MARSHALLS CREEK PA 18335	16.5.2.9
RICCOBONO, FRANK J	186 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.11285
RICCOBONO, FRANK J	RT 209 MARSHALLS CREEK PA 18335	16.7.2.1
KUEHN, CHARLES G & EMIKO	124 SAWMILL CT EAST STROUDSBURG PA 18301	16.112986
CIECIORKO, MARIUSZ, ETUX	149 SAWMILL CT E STROUDSBURG PA 18302	16.9263
THE TOWNSHIP OF SMITHFIELD	1155 RED FOX RD E STROUDSBURG PA 18301	16.3.2.1
RUIZ, VERONICA	144 TWIN FALLS RD EAST STROUDSBURG PA 18301	16.3.2.2
PECK, JEAN YETTER	218 TWIN FALLS RD EAST STROUDSBURG PA 18301	16.110554
JACOBI, JOHN A	398 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.3.2.21-5
JACOBI, JOHN	RTE 209 MARSHALLS CREEK PA 18335	16.93371
JACOBI, JOHN & DAVID	422 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.3.2.21-4
LOWRIS NOREEN HUNTER	424 SEVEN BRIDGE RD MARSHALLS CREEK PA 18335	16.3.2.21-3
BILIANIS, SPIROS, ETAL	480 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.3A.1.38

MT TOM ROAD PROPERTIES, LLC	501 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.3.2.22-5
DLP PROFESSIONAL BUILDING, LLC	528 SEVEN BRIDGE RD BETHLEHEM PA 18017	16.3.2.36
DLP BUILDING NORTH, LLC	529 SEVEN BRIDGE RD BETHLEHEM PA 18017	16.3.2.36-1
TEJRISHI CORP OF PA	629 SEVEN BRIDGE RD EAST STROUDSBURG PA 18301	16.8.1.61
KAUSHAL REALTY, LLC	639 SEVEN BRIDGE RD EAST STROUDSBURG PA 18302	16.8.1.60-1
YASENCHAK, ANTHONY DALE & MERCEDES, REVOCABLE TRUST	657 SEVEN BRIDGE RD STROUDSBURG PA 18360	16.8.1.59
WATER GAP ACQUISITIONS PARTNERS LLC	296 MOUNTAIN RD EDGE MENT PA 19028	16.9.1.26
MARKI ROBERT L SR	TOTTS GAP RD STROUDSBURG PA 18360	16.9.1.33-3
MARKI LEWIS ETUX	1537 TOTTS GAP RD STROUDSBURG PA 18360	16.9.1.33-2
MARKI ROBERT L	1531 TOTTS GAP RD STROUDSBURG PA 18360	16.9.1.33-1
WATER GAP ACQUISITIONS PARTNERS LLC	T 383 EDGE MENT PA 19028	16.9.1.22
METROPOLITAN EDISON CO	3221 GODFREY RIDGE DR MORRISTOWN NJ 07962	16.111568
PENNSYLVANIA POWER & LIGHT CO	3174 GODFREY RIDGE DR ALLEN TOWN PA 18101	17.6.1.11
HELLER LINDA	PA RT 611 STROUDSBURG PA 18360	16.8.3.29
HELLER LINDA R	1040 FOXTOWN HILL RD STROUDSBURG PA 18360	16.8.3.28
HELLER LINDA R	105 MAPLE AVE STROUDSBURG PA 18360	16.8.3.27
STATE OF PENNA	RT 611 HARRISBURG PA 17105	04.1.3.25
STATE OF PENNA	ROUTE 80 HARRISBURG PA 17105	16.8.2.31-1
STATE OF PENNA	18 RIVER RD HARRISBURG PA 17105	16.8.2.31-2
STATE OF PENNA	ROUTE 80 HARRISBURG PA 17105	16.8.2.32
ZOLDAN FAMILY OHIO LP	119 BROAD ST YOUNGSTOWN OH 44505	16.8.2.33-1
FAIRMOUNT HOSPITALITY LLC	109 BROAD ST MONROE TOWNSHIP NJ 08831	04.2.1.1
POCONO GAS STATIONS INC	93 BROAD ST STROUDSBURG PA 18360	04.2.1.3
DEL WATER GAP MUNICIPAL AUTH	E OF BRD ST DELAWARE WATER GAP PA 18327	04.2.1.1-3
DEL WATER GAP MUNICIPAL AUTH	E OF BRD ST DEL WATER GAP PA 18327	16.92174
P&R REAL ESTATE LLC	136 SHELDING RD BATH PA 18014	04.2.1.7
THE TOWNSHIP OF SMITHFIELD	44 RIVER RD E STROUDSBURG PA 18301	16.8.2.31-11
THE MANWALAMINK WATER CO	123 RIVER RD SHAWNEE ON DELAWARE PA 18356	16.8.1.20-17
HAVE A HAPPY DAY INC	RIVER PLZ SHAWNEE ON DELAWARE PA 18356	16.8.1.19
MILLER JOAN ETAL	242 ACRES RD SHAWNEE ON DELAWARE PA 18356	16.2.1.15
SHAWNEE DEVELOPMENT INC	1123 BUTTERMILK FALLS RD ORLANDO FL 32821	16.3.2.34
SHAWNEE COMMONS CORP	111 RIDGE TOP RD NW SHAWNEE ON DEL PA 18356	16.92544
SHAWNEE DEVELOPMENT INC	LR 45011 ORLANDO FL 32821	16.3.2.28-7
KOTCO ASSOCIATES LP	367 E BROWN ST BETHLEHEM PA 18020	16.8.2.44
SMITH CHESTER L JR MD	371 E BROWN ST EAST STROUDSBURG PA 18301	16.110164
FEDERATION OF JEWISH PHILANTHROPIES	418 CRAIGS MEADOW RD BROOKLYN NY 11219	16.6.1.2-1C
VAUGHAN ERNEST F & EILEEN B	415 TAYLOR DR EAST STROUDSBURG PA 18301	16.6.1.15-3
SCOTT RUSSELL D III & CRAIG N	162 MARSHALLS CREEK RD MARSHALLS CREEK PA 18335	16.6.1.42
CLA LLC	2581 MILFORD RD MARSHALLS CREEK PA 18335	16.5.1.18
MARSHALLS CREEK VOLUNTEER FIRE CO	112 MARSHALLS CREEK RD MARSHALLS CREEK PA 18335	16.5.1.8
BRP PROPERTIES LLC	105 MARSHALLS CREEK RD MARSHALLS CREEK PA 18335	16.5.1.13

PANDA'S PUB LLC	2601 MILFORD RD ALLENTOWN PA 18103	16.5.1.6
SKI SHAWNEE INC	186 GOLDSMITH LN SHAWNEE ON DEL PA 18356	16.1.1.8-3
SKI SHAWNEE INC	SUMMIT LODGE LN SHAWNEE ON DEL PA 18356	16.1.1.6
SKI SHAWNEE INC	MOSIER KNOB RD T 515 SHAWNEE ON DEL PA 18356	16.1.1.13-3
SKI SHAWNEE INC	MOSIER KNOB RD T 515 SHAWNEE ON DEL PA 18356	16.1.1.13-2
UNITED STATES OF AMERICA	403 MOSIERS KNOB RD WASHINGTON DC 20000	16.1.1.1
SHAWNEE VALLEY OWNERS ASSOC	1110 UPPER RIDGE VIEW DR SHAWNEE ON DEL PA 18356	16.119217
AHNERT W PETER JR ETAL	4494 MILFORD RD MARSHALLS CREEK PA 18335	09.9.2.14-1
V F W HOME ASSOC OF MONROE CO	546 FAWN RD EAST STROUDSBURG PA 18301	16.111908
PRIMROSE TIMOTHY R JR & ADRIENNE L	344 AIRPORT RD EAST STROUDSBURG PA 18301	16.6.1.13
PRIMROSE TIMOTHY R JR & ADRIENNE L	318 AIRPORT RD EAST STROUDSBURG PA 18301	16.6.1.12-10
BLACK BUFFALO LAND ACQUISITION, LLC	136 AIRSTRIP RD NEW YORK NY 10016	16.7.1.6
WAYNE BANK TRUSTEE OF THE MARVIN	116 AIRSTRIP RD HONESDALE PA 18431	16.113769
Y NOT TONY'S CO	AIRPORT RD BLAKESLEE PA 18610	16.113768
WAYNE BANK TRUSTEE OF THE MARVIN	106 AIRSTRIP RD HONESDALE PA 18431	16.113767
BLACK BUFFALO LAND ACQUISITION, LLC	140 AIRSTRIP RD NEW YORK NY 10016	16.7.1.8-1
RR 2 AIRPORT ROAD LLC	146 AIRPORT RD EAST STROUDSBURG PA 18301	16.93107
THE LUTHERN CHURCH OF SMITHFIELD A/K/A	139 CRAIGS MEADOW RD E STROUDSBURG PA 18302	16.7.1.71





# MS-4

## What is MS-4?

MS-4 stands for Municipal Separate Storm Sewer System – essentially a collection of structures, including retention basins, ditches, roadside inlets, and underground pipes, which are designed to collect stormwater and discharge it into streams without treatment. Smithfield Township’s urban classification via the 2010 U.S. Census requires it to become part of the Environmental Protection Agency’s MS-4 program, managed by the Pennsylvania Department of Environmental Protection.

The key requirement of the program in Smithfield Township is to reduce the sediment levels in the Brodhead Creek and Reservoir Run. This is done through public education, routine inspections at outlets, illicit discharge detection, and other preventive measures. Progress on and eventual completion of the pollution reduction and stormwater management plans allows Smithfield Township to comply with the terms of the NPDES (National Pollution Discharge Elimination System) permit. If you live or conduct business along the impaired area(s) and wish to help the Township successfully implement the program, call the [Township Engineers](#) at Boucher & James at (610) 419-9407.

## Township MS-4 Reports

- [Year 1 Status Report](#)
- [Year 2 Status Report](#)
- [Year 3 Status Report](#)

## Additional Documents

- [July “Summer Tips”](#)
- [What is MS-4?](#)
- [MS-4 Full Rules](#)
- [Stormwater Management](#)
- [Smithfield's MS-4 Program](#)

[2021 MS-4 Presentation Video](#)

[Efficient Landscaping](#)

[When It Rains, It Drains](#)

[Illicit Discharge](#)

[2022 MS-4 Presentation Document](#)


## Local Partners & Resources


[Monroe County Conservation District](#)


[Brodhead Watershed Association](#)

[PA Dept. of Environmental Protection](#)



 1155 Red Fox Road  
East Stroudsburg, PA 18301

 [\(570\) 223-5082](tel:(570)223-5082) Phone  
[\(570\) 223-5086](tel:(570)223-5086) Fax

 Monday - Friday, 8:00AM to  
4:30PM



# 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

## SUMMER TIPS

### 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.



# 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

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 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  
<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



# 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.

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

### 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.

## 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:

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

☞ 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  
<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
  - 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:

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



# Smithfield Township's MS4 Program (Municipal Separate Storm Sewer System)

Presentation provided by:



**Boucher & James, Inc.**  
CONSULTING ENGINEERS

An Employee Owned Company





# MS4 Program

- An MS4 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 Sambo and Brodhead 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.

# Minimum Control Measures (MCM)

- #1 - Public Education and Outreach
- #2 - Public Participation and Involvement
- #3 - Illicit Discharge Detection and Elimination
- #4 - Construction Site Stormwater Runoff Controls
- #5 - Post Construction Runoff Controls
- #6 - Pollution Prevention and Good Housekeeping for Municipal Facilities

# 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.



# MCM #5 –

## Post-Construction Stormwater Management

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





# 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 MS4 educational materials can be found on the Township's the Pennsylvania Department of Environmental Protection's websites.







# Water-Efficient Landscaping:



Preventing  
Pollution &  
Using Resources  
Wisely



# A Message from the Administrator

## Christine Todd Whitman



I believe water is the biggest environmental issue we face in the 21st Century in terms of both quality and quantity. In the 30 years since its passage, the Clean Water Act has dramatically increased the number of waterways that are once again safe for fishing and swimming. Despite this great progress in reducing water pollution, many of the nation's waters still do not meet water quality goals. I challenge you to join with me to finish the business of restoring and protecting our nation's waters for present and future generations.

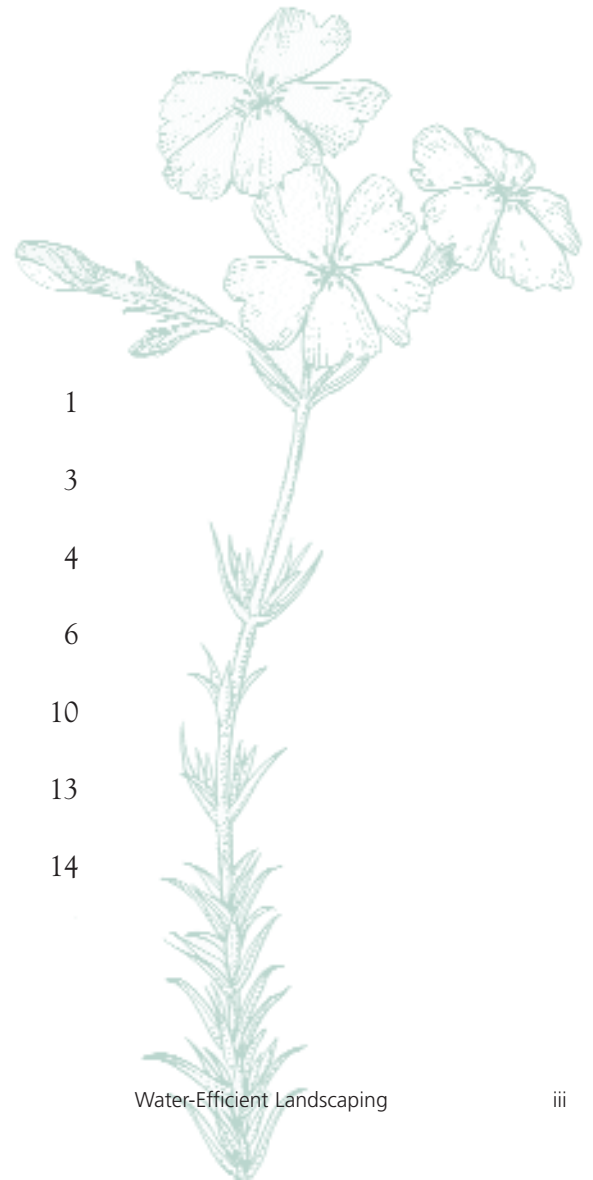
United States Environmental Protection Agency  
Office of Water (4204M)  
EPA832-F-02-002  
September 2002  
[www.epa.gov/owm/water-efficiency/index.htm](http://www.epa.gov/owm/water-efficiency/index.htm)





## Contents

What is Water-efficient Landscaping?	1
Why Use Water-efficient Landscaping?	3
How is Water-efficient Landscaping Applied?	4
Water-efficient Landscape Irrigation Methods	6
Examples of Successful Water-efficient Landscaping Projects	10
For More Information	13
Resources	14





# What is Water-efficient Landscaping?

Water, many agree, is our most precious natural resource; without it, life ceases. Yet judging by our water use and consumption practices, many of us in the United States seem to take it for granted. A typical household uses approximately 260 gallons of water per day. “Water conscious” individuals often install high-efficiency shower heads and toilets and wash only full loads of clothes and dishes to reduce consumption. But in the summer, the amount of water used outdoors by a household can exceed the amount used for all other purposes in the entire year. This is especially true in hot, dry climates.

Gardening and lawn care account for the majority of this seasonal increase, but other outdoor activities, such as washing cars and filling swimming pools, also contribute. According to the U.S. Geological Survey, of the 26 billion gallons of water consumed daily in the United States<sup>1</sup>, approximately 7.8 billion gallons, or 30 percent<sup>2</sup>, is devoted to outdoor uses. The majority of this is used for landscaping. In fact, it is estimated that the typical suburban lawn consumes 10,000 gallons of water above and beyond rainwater each year (Vickers, p 140).

Many mistakenly believe that stunning gardens and beautiful lawns are only possible through extensive watering, fertilization, and pesticide application. As this booklet will demonstrate, eye-catching gardens and landscapes that save water, prevent pollution, and

protect the environment are, in fact, easily achieved by employing water-efficient landscaping. Water-efficient landscaping produces attractive landscapes because it utilizes designs and plants suited to local conditions.

This booklet describes the benefits of water-efficient landscaping. It includes several examples of successful projects and programs, as well as contacts, references, and a short bibliography. For specific information about how to best apply water-efficient landscaping principles to your geographical area, consult with your county



*Xeriscape garden at Denver Water*

extension service and local garden and nursery centers. Local governments and water utilities also possess a wealth of information and suggestions for using water more efficiently in all aspects of your life, including landscaping.

<sup>1</sup> W.B. Solley, R.R. Pierce, and H.A. Perlman. 1998. *Estimated Use of Water in the United States in 1995* (USGS Circular 1200). USGS. Reston, VA. p.27.

<sup>2</sup> Amy Vickers. 2001. *Handbook of Water Use and Conservation*. WaterPlow Press. Amherst, MA. p. 140.





*Xeriscaped front yard in Colorado Springs*

Many terms and schools of thought have been used to describe approaches to water-efficient landscaping. Some examples include “water-wise,” “water-smart,” “low-water,” and “natural landscaping.” While each of these terms varies in philosophy and approach, they are all based on the same principles and are commonly used interchangeably. One of the first conceptual approaches developed to formalize these principles is known as “Xeriscape<sup>3</sup> landscaping.” Xeriscape landscaping is defined as “quality landscaping that conserves water and protects the environment.” The word “Xeriscape” was coined and copyrighted by

Denver Water Department in 1981 to help make water conserving landscaping an easily recognized concept. The word is a combination of the Greek word “xeros,” which means “dry,” and “landscape.”

The seven principles upon which Xeriscape landscaping is based are:

- Proper planning and design
- Soil analysis and improvement
- Appropriate plant selection
- Practical turf areas
- Efficient irrigation
- Use of mulches
- Appropriate maintenance

The eight fundamentals of water-wise landscaping, below, illustrate the similarities in the underlying concepts and principles of Xeriscape landscaping and other water-efficient approaches.

- Group plants according to their water needs.
- Use native and low-water-use plants.
- Limit turf areas to those needed for practical uses.
- Use efficient irrigation systems.
- Schedule irrigation wisely.
- Make sure soil is healthy.
- Remember to mulch.
- Provide regular maintenance.

In short, plan and maintain your landscape with these principles of water efficiency in mind and it will continue to conserve water and be attractive.

---

<sup>3</sup> Denver Water welcomes the use of the term Xeriscape in books, articles, and speeches promoting water conserving landscape. EPA is using this term with permission from Denver Water. For permission to use “Xeriscape” in your publications, call Denver Water at 303 628-6330.



# Why Use Water-efficient Landscaping?

Proper landscaping techniques not only create beautiful landscapes, but also benefit the environment and save water. In addition, attractive, water-efficient, low-maintenance landscapes can increase home values.

Water-efficient landscaping offers many economic and environmental benefits, including:

- Lower water bills from reduced water use.
- Conservation of natural resources and preservation of habitat for plants and wildlife such as fish and waterfowl.
- Decreased energy use (and air pollution associated with its generation) because less pumping and treatment of water is required.
- Reduced home or office heating and cooling costs through the careful placement of trees and plants.
- Reduced runoff of stormwater and irrigation water that carries top soils, fertilizers, and pesticides into lakes, rivers, and streams.
- Fewer yard trimmings to be managed or landfilled.
- Reduced landscaping labor and maintenance costs.
- Extended life for water resources infrastructure (e.g., reservoirs, treatment plants, groundwater aquifers), thus reduced taxpayer costs.



*Meadow Sage (Salvia pratensis) is the background for New Mexico Evening Primrose (Oenothera berlandieri 'siskiyou')*

# How is Water-efficient Landscaping Applied?

Landscaping that conserves water and protects the environment is not limited to arid landscapes with only rocks and cacti.



*Dragon's Blood Sedum* (*Sedum spurium*) under *Honeylocust Trees* (*Gleditsia triacanthos*)

Through careful planning, landscapes can be designed to be both pleasing to the senses and kind to the environment. One simple approach to achieving this is applying and adopting the basic principles of water-efficient landscaping to suit your climatic region. The seven principles of Xeriscape landscaping are used below to describe these basic concepts in greater detail.

## Proper planning and design

Developing a landscape plan is the first and most important step in creating a water-efficient landscape. Your plan

should take into account the regional and micro-climatic conditions of the site, existing vegetation, topography, intended uses of the property, and most importantly, the grouping of plants by their water needs. Also consider the plants' sun or shade requirements and preferred soil conditions. A well-thought-out landscape plan can serve as your roadmap in creating beautiful,

## Soil analysis and improvements

water-efficient landscapes and allow you to continually improve your landscape over time. Because soils vary from site to site, test your soil before beginning your landscape improvements. Your county extension service can analyze the pH levels; nutrient levels (e.g., nitrogen, phosphorus, potassium); and the sand, silt, clay, and organic matter content of your soil. It can also suggest ways to improve your soil's ability to support plants and retain water (e.g., through aeration or the addition of soil amendments or fertilizers).

## Appropriate plant selection

Your landscape design should take into account your local climate as well as soil conditions. Focus on preserving as many existing trees and shrubs as possible because established plants usually require less water and maintenance. Choose plants native to your region. Native plants, once established, require very little to no additional water beyond normal rainfall. Also, because they are adapted to local soils and climatic conditions, native plants commonly do not require the addition of fertilizers and are more resistant to pests and disease.

When selecting plants, avoid those labeled "hard to establish," "susceptible to disease," or "needs frequent attention," as these types of plants frequently require large amounts of supplemental water, fertilizers, and pesticides. Be careful when selecting non-indigenous species as some of them may become invasive. An invasive plant might be a water guzzler and will surely choke out native species. Your state or county extension service or local nursery can help you select appropriate plants for your area.



The key to successful planting and transplanting is getting the roots to grow into the surrounding soil as quickly as possible. Knowing when and where to plant is crucial to speeding the establishment of new plants. The best time to plant will vary from species to species. Some plants will thrive when planted in a dormant or inactive state. Others succeed when planted during the season when root generation is highest and sufficient moisture is available to support new growth (generally, spring is the best season, but check plant tags or consult with your local nursery for specific species).



*Wine Cup (Callirhoe involucrata) and Sunset Hyssop (Agastache rupestris) in the Denver Water Xeriscape Garden*

## Practical turf areas

How and where turf is placed in the landscape can significantly reduce the amount of irrigation water needed to support the landscape. Lawns require a large amount of supplemental water and generally greater maintenance than other vegetation. Use turf where it aesthetically highlights the house or buildings and where it has practical function, such as in play or recreation areas. Grouping turf areas can increase watering efficiency and significantly reduce evaporative and runoff losses. Select a type of grass that can withstand drought periods and become dormant during hot, dry seasons. Reducing or eliminating turf areas altogether further reduces water use.

## Efficient irrigation

Efficient irrigation is a very important part of using water efficiently outdoors, and applies in any landscape—whether Xeriscape or conventional. For this reason, an entire section of this booklet addresses efficient irrigation; it can be found on page 6.

## Use of mulches

Mulches aid in greater retention of water by minimizing evaporation, reducing weed growth, moderating soil temperatures, and preventing erosion. Organic mulches also improve the condition of your soil as they decompose. Mulches are typically composed of wood bark chips, wood grindings, pine straws, nut shells, small

gravel, or shredded landscape clippings. Avoid using rock mulches in sunny areas or around non-arid climate plants, as they radiate large amounts of heat and promote water loss that can lead to scorching. Too much mulch can restrict water flow to plant roots and should be avoided.

## Appropriate maintenance

Water and fertilize plants only as needed. Too much water promotes weak growth and increases pruning and mowing requirements. Like any landscape, a water-efficient yard will require regular pruning, weeding, fertilization, pest control, and irrigation. As your water-efficient landscape matures, however, it will require less maintenance and less water. Cutting turf grass only when it reaches two to three inches promotes deeper root growth and a more drought-resistant lawn. As a rule of thumb, mow your turf grass before it requires more than one inch to be removed. The proper cutting height varies, however, with the type of grass, so you should contact your county extension service or local nursery to find out the ideal cutting height for your lawn. Avoid shearing plants or giving them high nitrogen fertilizers during dry periods because these practices encourage water-demanding new growth.

# Water-efficient Landscape Irrigation Methods

With common watering practices, a large portion of the water applied to lawns and gardens is not absorbed by the plants. It is lost through evaporation, runoff, or being pushed beyond the root zone because it is applied too quickly or in excess of the plants' needs. The goal of efficient irrigation is to reduce these losses by applying only as much water as is needed to keep your plants healthy. This goal is applicable whether you have a Xeriscape or a conventional landscape.

To promote the strong root growth that supports a plant during drought, water deeply and only when the plant needs water. For clay soils, watering less deeply and more often is recommended. Irrigating with consideration to soil

type, the condition of your plants, the season, and weather conditions—rather than on a fixed schedule—significantly increases your watering efficiency. Grouping plants according to similar water needs also makes watering easier and more efficient.

Irrigating lawns, gardens, and landscapes can be accomplished either manually or with an automatic irrigation system. Manual watering with a hand-held hose tends to be the most water-efficient method. According to the AWWA Research Foundation's outdoor end use study, households that manually water with a hose typically use 33 percent less water outdoors than the average household. The study also showed that households with in-ground sprinkler systems used 35 percent more water, those with automatic timers used 47 percent more water, and those with drip irrigation systems used 16 percent more water than households without these types of systems. These results show that in-ground sprinkler and drip irrigation systems must be operated properly to be water-efficient.

You can use a hand-held hose or a sprinkler for manual irrigation. To reduce water losses from evaporation and wind, avoid sprinklers that produce a fine mist or spray high into the air. Soaker hoses can also be very efficient and effective when used properly. Use a hand-held soil moisture probe to determine when irrigation is needed.

To make automatic irrigation systems more efficient, install system controllers such as rain sensors that prevent sprinkler systems from turning on during and immediately after rainfall, or soil moisture sensors that activate sprinklers only when soil moisture levels drop below pre-programmed levels. You can also use a weather-



*Purple Fountain Grass (Pennisetum setaceum "Rubrum") and Marigolds (Calendula officinalis) in planter bed*

driven programming system. Drip-type irrigation systems are considered the most efficient of the automated irrigation methods because they deliver water directly to the plants' roots. It is also important to revise your watering schedule as the seasons change. Over-watering is most common during the fall when summer irrigation schedules have not been adjusted to the cooler temperatures.

To further reduce your water consumption, consider using alternative sources of irrigation water, such as gray water, reclaimed water, and collected rainwater. According to the AWWA Research Foundation, homes with access to alternative sources of irrigation reduce their water bills by as much as 25 percent.<sup>4</sup> Graywater is untreated household waste water from bathroom sinks, showers, bathtubs, and clothes washing machines. Graywater systems pipe this used water to a storage tank for later outdoor watering use. State and local graywater laws and policies vary, so you should investigate what qualifies as gray water and if any limitations or restrictions apply. Reclaimed water is waste water that has been treated to levels suitable for nonpotable uses. Check with local water officials to determine if it is available in your area. Collected rainwater is rainwater collected in cisterns, barrels, or storage tanks. Commercial rooftop collection systems are available, but simply diverting your downspout into a covered



*Red Valerian (Centranthus ruber)*

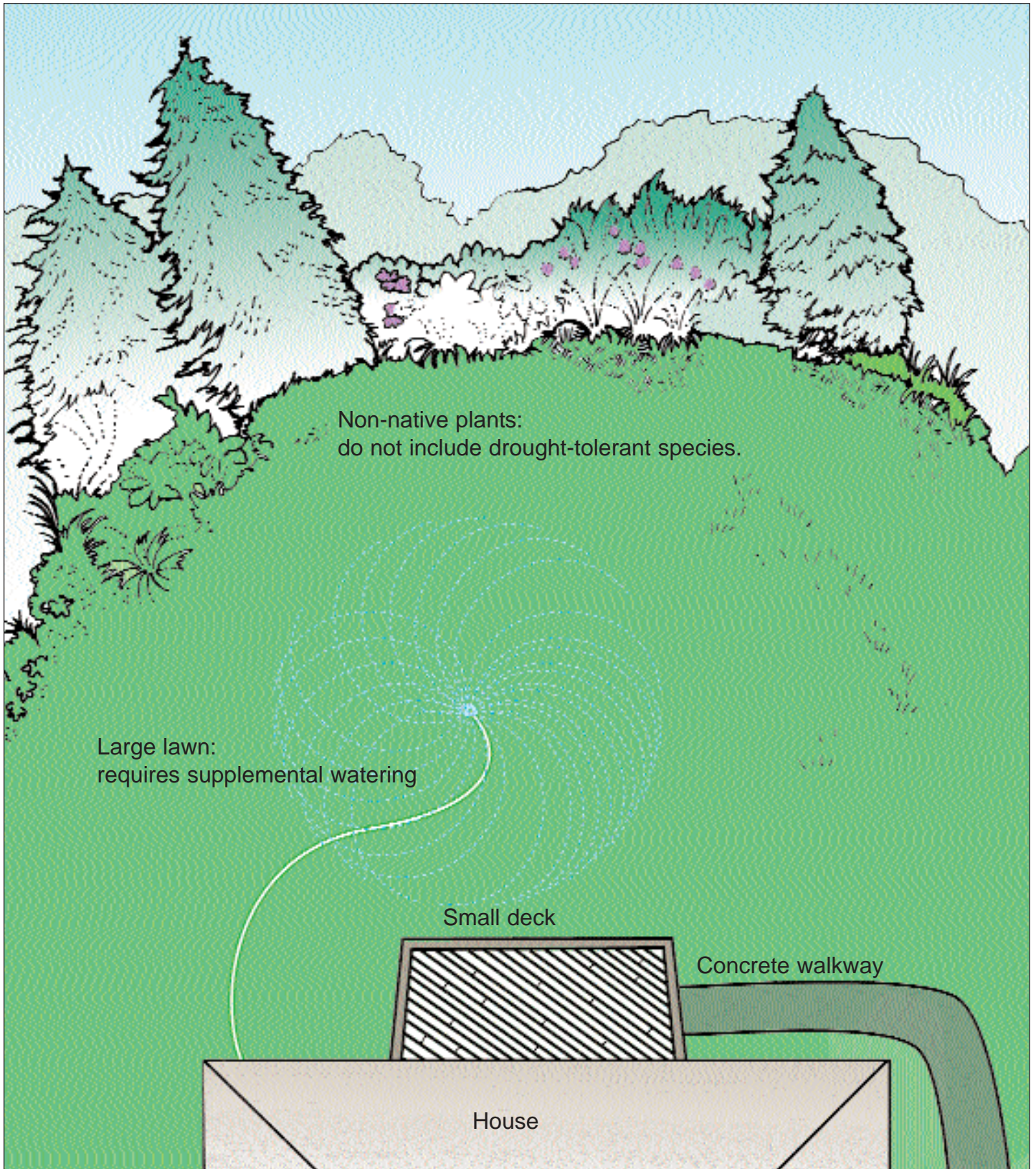
barrel is an easy, low-cost approach. When collecting rainwater, cover all collection vessels to prevent animals and children from entering and to prevent mosquito breeding. Some states might have laws which do not allow collection of rainwater, so be sure to check with your state's water resource agency before implementing a rainwater collection system.

---

<sup>4</sup> AWWA Research Foundation. 1999. *Residential End Uses of Water*. <[www.waterwiser.org](http://www.waterwiser.org)>

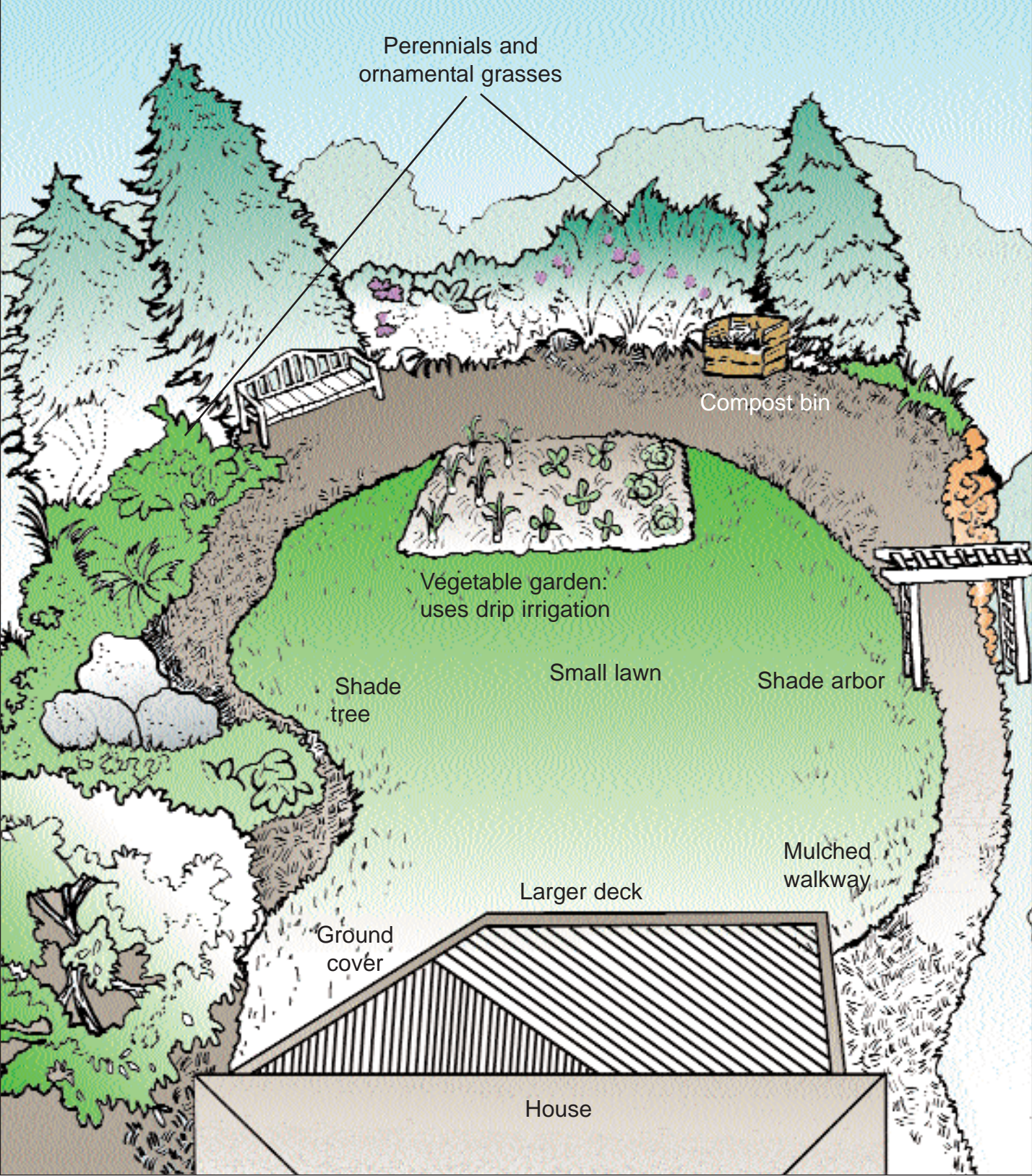


# Non-xeriscaping





# Xeriscaping





# Examples of Successful Water-efficient Landscaping Projects

**W**ater-efficient landscaping techniques can be used by individuals, companies, state, tribal, and local governments, and businesses to physically enhance their properties, reduce long-term maintenance costs, and create environmentally conscious landscapes. The following examples illustrate how water-efficient landscapes can be used in various situations.



*Oriental Poppies (Papaver orientale)*

## Homeowner–public/private partnership

- The South Florida Water Management District, the Florida Nurserymen and Growers Association, the Florida Irrigation Society, and local businesses worked together to produce a television video called “Plant It Smart with Xeriscape.” The video shows how a typical Florida residential yard can be retrofitted with Xeriscape landscaping to save energy, time,

and money. The showcase yard (selected from 70 applicants) had a history of heavy water use—more than 90,000 gallons per month. After the retrofit, the yard’s aesthetic value was enhanced; plus it now uses 75 percent less water and relies on yard trimmings for mulch and compost.

- The Southwest Florida Water Management District (SWFWMD), the City of St. Petersburg, and Pinellas County, Florida, produced a video called “Xeriscape It!” It shows a landscape being installed using the seven Xeriscape principles. The SWFWMD also funded several Xeriscape demonstration sites and maintains a Xeriscape demonstration garden at its Brooksville, Florida, headquarters. The garden features a variety of native and non-native plants and is available for public viewing, along with a landscape plant identification guide.
- Residents of Glendale, Arizona, can receive a \$100 cash rebate for installing or converting more than half of their landscapable area to non-grass vegetation. The Glendale Water Conservation Office conducts an inspection of the converted lawn to ensure compliance with rebate requirements and then issues a rebate check to the homeowner. The purpose of the Landscape Rebate Program is to permanently reduce the amount of water used to irrigate grass throughout Glendale.

## State government

- Although perceived as a water-rich state, Florida became the first to enact a statewide Xeriscape law. Florida’s legislature recognized that its growing population and vulnerable environment necessitated legal safeguards for its water resources. The Xeriscape law requires Florida’s Departments of Management Ser-



vices and Transportation to use Xeriscape landscaping on all new public properties and to develop a 5-year program to phase in Xeriscape on properties constructed before July 1992. All local governments must also consider requiring the use of Xeriscape and offering incentives to install Xeriscaping.

- Texas also developed legislation requiring Xeriscape landscaping on new construction projects on state property beginning on or after January 1994. Additional legislation, enacted in 1995, requires the Department of Transportation to use Xeriscape practices in the construction and maintenance of roadside parks. All municipalities may consider enacting ordinances requiring Xeriscape to conserve water.

## City government

In Las Vegas, Nevada, homeowners can receive up to \$1,000 for converting their lawn to Xeriscape, while commercial landowners can receive up to a \$50,000 credit on their water bill. The city and several other surrounding communities hope these eye-catching figures will help Las Vegas meet its goal of saving 25 percent of the water it would otherwise have used by the year 2010; to date, it has saved 17 percent. Local officials plan to reach the target with the assistance of incentive programs encouraging Xeriscape, a city ordinance limiting turf to no more than 50 percent of new landscapes, grassroots information programs, and a landscape awards program specifically for Xeriscaped properties. Preliminary results of a five-year study show that residents who converted a portion of their lawns to Xeriscape reduced total water consumption by an average of 33 percent. The xeric vegetation required less than a quarter of the water typically used and one-third the maintenance (both in labor and expenditures) compared to traditional turf.



*Yellow Ice Plant (Delosperma nubigenum) close-up*

## Developers

Howard Hughes Properties (HHP), a developer and manager of more than 25,000 acres of residential, commercial, and office development property, has enthusiastically used drought tolerant landscaping on all of its properties since 1990. Most of the company's properties are located in Las Vegas, one of the country's fastest growing metropolitan areas. To conserve resources, the city and county have implemented regulations requiring developers to employ certain Xeriscape principles in new projects. Specifically, a limited percentage of grass can be used on projects, and it must be kept away from streets. As the area's first large-scale developer to recognize the need and value in incorporating drought tolerant landscaping in parks, streetscapes, and open spaces, HHP uses native and desert-adaptive plants that survive and thrive in the Las Vegas climate with minimal to moderate amounts of water.

Drip system irrigation controllers are linked to weather stations that monitor the evapotranspiration rate. This allows HHP to determine the correct amount of water to be applied to plants at any given time. HHP tests the irrigation systems regularly and adds appropriate soil amendments to promote healthy plant growth. The maintenance program also includes pest management, the use of mulching mowers, and the use of rock mulch top dressing on all non-turf planting areas. These measures combine to ensure a beautiful, healthy, and responsible landscape.

## Public/private partnerships

Even the most water-conscious homeowners in Southern California are over-watering by 50 to 70 gallons per day. The excess water washes away fertilizers and pesticides, which pollute natural waterways. The quantity of water wasted (and the dollars that pay for it) are even more substantial for large-scale commercial properties and developments.

An innovative partnership in Orange County links landscape water management, green mate-

rial management, and non-point source pollution prevention goals into one program—the Landscape Performance Certification Program. This program emphasizes efficient landscape irrigation and features a “landscape irrigation budget” based on a property’s landscape area, type, and the daily weather. The Municipal Water District monitors actual water use through a system of 12,000 dedicated water meters installed by participating landscape managers.

Participants, including landscapers, property managers, and homeowner associations, can compare the actual cost of water used on their property with the calculated budget. Those staying within budget are awarded certification, a proven marketing tool. This new voluntary program is implemented by the Municipal Water District with input from the California Landscape Contractors’ Association, the Orange County Integrated Management Department, the Metropolitan Water District of Southern California, and local nurseries and has the support of 32 retailing water suppliers. The program is already credited with increasing the use of arid-climate shrubs and landscaping to accommodate drip irrigation, and has resulted in cost savings to water customers.



*Miscanthus sinensis*  
(Miscanthus grass, also called  
Maiden grass) variety with  
leaves turning yellow for fall.





# For More Information

The following list of organizations can provide more information on water-efficient landscaping. This is not meant to be an exhaustive list, rather it is intended to help you locate local information sources and possible technical assistance.

## Water Management Districts or Utilities

Your local water management district often can provide information on water conservation, including water efficient landscaping practices. Your city, town, or county water management district can be found in the Blue Pages section of your local phone book or through your city, town, or county's Web site if it has one. If you do not know your city, town, or county's Web site, check for a link on your state's Web site. URLs for state Web sites typically follow this format: <www.state.(two letter state abbreviation).us>.

## State/County Extension Services

Your state or county extension service is also an excellent source of information. Many extension services provide free publications and advice on home landscaping issues including tips on plant selection and soil improvement. Some also offer a soil analysis service for a nominal fee. Your county extension service can be found in the Blue Pages section of your local phone book under the county government section or through your county's Web site if it has one. The U.S. Department of Agriculture's Cooperative State Research, Education, and Extension Service ([www.reeusda.gov/statepartners/usa.htm](http://www.reeusda.gov/statepartners/usa.htm)) provides an online directory of land-grant universities which can help you locate your state extension service. Government Guide ([www.governmentguide.com](http://www.governmentguide.com)) is yet another online resource that might prove helpful in locating state or local agencies.

## Organizations

The following is a partial list of organizations located across the United States that provide helpful information on water-efficient landscaping.

### American Water Works Association (AWWA)

6666 West Quincy Avenue  
Denver, CO 80235

Telephone: 303 794-7711

and

1401 New York Avenue, NW, Suite 640  
Washington, DC 20005

Telephone: 202 628-8303

Web: <[www.awwa.org](http://www.awwa.org)>

### Arizona Municipal Water Users Association (AMWUA)

Web: <[www.amwua.org/program-xeriscape.htm](http://www.amwua.org/program-xeriscape.htm)>

### BASIN

City of Boulder Environmental Affairs

P.O. Box 791

Boulder, CO 80306

Phone: 303 441-1964

E-mail: [basin@bcn.boulder.co.us](mailto:basin@bcn.boulder.co.us)

Web: <[bcn.boulder.co.us/basin/local/seven.html](http://bcn.boulder.co.us/basin/local/seven.html)>

### Denver Water

1600 West 12th Avenue

Denver, CO 80204

Phone: 303 628-6000

Fax: 303 628-6199

TDDY: 303 534-4116

Office of Water Conservation hotline:

303 628-6343

E-mail: [jane.earle@denverwater.org](mailto:jane.earle@denverwater.org)

Web: <[www.water.denver.co.gov/conservation/conservframe.html](http://www.water.denver.co.gov/conservation/conservframe.html)>

### New Mexico Water Conservation Program/Water Conservation Clearinghouse

P. O. Box 25102

Santa Fe, NM 87504

Phone: 800 WATER-NM

E-mail: [waternm@ose.state.nm.us](mailto:waternm@ose.state.nm.us)

Fax: 505 827-3813

Web: <[www.ose.state.nm.us/water-info/conservation/index.html](http://www.ose.state.nm.us/water-info/conservation/index.html)>

### Project WET - Water Education for Teachers

201 Culbertson Hall

Montana State University

Bozeman, MT 59717

Phone: 406 994-5392

Web: <[www.montana.edu/wwwwet](http://www.montana.edu/wwwwet)>

### Rocky Mountain Institute

1739 Snowmass Creek Road

Snowmass, CO 81654-9199

Phone: 970 927-3851

Web: <[www.rmi.org](http://www.rmi.org)>



*Turkish Speedwell (Veronica liwanensis) in background and tulips in foreground.*

**Southern Nevada Water Authority**  
1001 S. Valley View Boulevard, Mailstop #440  
Las Vegas, NV 89153  
Phone: 702 258-3930  
Web: <www.snwa.com>

**Southwest Florida Water Management District**  
2379 Broad Street  
Brooksville, FL 34604-6899  
Phone: 352 796-7211 or 800 423-1476 (Florida only)  
Web: <www.swfwmd.state.fl.us/watercon/xeris/swfxeris.html>

**Sustainable Sources Green Building Program: Sustainable Building Source Book**  
E-mail: info@greenbuilder.com  
Web: <www.greenbuilder.com/sourcebook/xeriscape.html>

**Water Conservation Garden – San Diego County**  
12122 Cuyamaca College Drive West  
El Cajon, CA 92019  
Phone: 619 660-0614  
Fax: 619 660-1687

E-mail: info@thegarden.org  
Web: <www.thegarden.org/garden/xeriscape/index.html> and <www.sdcwa.org/manage/conservation-xeriscape.phtml>

**WaterWiser: The Water Efficiency Clearing House**  
(Operated by AWWA in cooperation with the U.S. Bureau of Reclamation)  
6666 West Quincy Avenue  
Denver, CO 80235  
Phone: 800 559-9855  
Fax: 303 794-6303  
E-mail: bewiser@waterwiser.org  
Web: <www.waterwiser.org>

**Xeriscape Colorado!, Inc.**  
P.O. Box 40202  
Denver, CO 80204-0202  
Web: <www.xeriscape.org>

## Resources

The following is a partial list of publications on resource efficient landscaping. For even more information, particularly on plants suited to your locale, consult your local library, county extension service, nursery, garden clubs, or water utility.

Ball, Ken and American Water Works Association Water Conservation Committee. *Xeriscape Programs for Water Utilities*. Denver: American Water Works Association, 1990.

Bennett, Jennifer. *Dry-Land Gardening: A Xeriscaping Guide for Dry-Summer, Cold-Winter Climates*. Buffalo: Firefly, 1998.

Bennett, Richard E. and Michael S. Hazinski. *Water-Efficient Landscape Guidelines*. Denver: American Water Works Association, 1993.

Brenzel, Kathleen N., ed. *Western Garden Book*, 2001 Edition. Menlo Park: Sunset Publishing Corporation, 2001.

City of Aurora, Colorado Utilities Department. *Landscaping for Water Conservation: Xeriscape!* Aurora: Colorado Utilities Department, 1989.

Johnson, Eric and Scott Millard. *The Low-Water Flower Gardener: 270 Unthirsty Plants for Color, Including Perennials, Ground Covers, Grasses & Shrubs*. Tucson: Ironwood Press, 1993.

Knopf, James M. *The Xeriscape Flower Gardener*. Boulder: Johnson Books, 1991.

Knopf, James M., ed. *Waterwise Landscaping with Trees, Shrubs, and Vines: A Xeriscape Guide for the Rocky Mountain Region, California, and the Desert Southwest*. Boulder: Chamisa Books, 1999.

Knox, Kim, ed. *Landscaping for Water Conservation: Xeriscape*. Denver: City of Aurora and Denver Water, 1989.

Nellis, David W. *Seashore Plants of South Florida and the Caribbean: A Guide to Identification and Propagation of Xeriscape Plants*. Sarasota: Pineapple Press, Inc., 1994.

Perry, Bob. *Landscape Plants for Western Regions: An Illustrated Guide to Plants for Water Conservation*. Claremont: Land Design Publishing, 1992.

Phillips, Judith. *Natural by Design: Beauty and Balance in Southwest Gardens*. Santa Fe: Museum of New Mexico Press, 1995.

- Phillips, Judith. *Plants for Natural Gardens: Southwestern Native & Adaptive Trees, Shrubs, Wildflowers & Grasses*. Santa Fe: Museum of New Mexico Press, 1995.
- Robinette, Gary O. *Water Conservation in Landscape Design and Maintenance*. New York: Nostrand Reinhold, 1984.
- Rumary, Mark. *The Dry Garden*. New York: Sterling Publishing Co., Inc., 1995.
- Springer, Lauren. *The Undaunted Garden: Planting for Weather-Resilient Beauty*. Golden: Fulcrum Publishing, 1994.
- Springer, Lauren. *Waterwise Gardening*. New York: Prentice Hall Gardening, 1994.
- Stephens, Tom, Doug Welsh, and Connie Ellefson. *Xeriscape Gardening, Water Conservation for the American Landscape*. New York: Macmillan Publishing, 1992.
- Sunset Books, eds. *Waterwise Gardening: Beautiful Gardens with Less Water*. Menlo Park: Lane Publishing Company, 1989.
- Vickers, Amy. *Handbook of Water Use and Conservation*. Amherst, MA: WaterPlow Press, 2001.
- Weinstein, Gayle. *Xeriscape Handbook : A How-To Guide to Natural, Resource-Wise Gardening*. Golden: Fulcrum Publishing, 1998.
- Williams, Sara. *Creating the Prairie Xeriscape*. Saskatchewan: University Extension Press, 1997.
- Winger, David, ed. *Xeriscape Plant Guide: 100 Water-Wise Plants for Gardens and Landscapes*. Golden: Fulcrum Publishing, 1998.
- Winger, David, ed. *Xeriscape Color Guide*. Golden: Fulcrum Publishing, 1998.
- Winger, David, ed. *Evidence of Care: The Xeriscape Maintenance Journal, 2002, Vol. 1*, Colorado WaterWise Council, 2001.

## Acknowledgments

Technical advice provided by Alice Darilek, Elizabeth Gardener, and David Winger.

Cover photograph from Tom Brahl Photography.

Interior photographs have been provided courtesy of Denver Water and David Winger.

Illustrations by Linda Cook.

### **For copies of this publication contact:**

EPA Water Resources Center (RC-4100)  
U.S. Environmental Protection Agency  
Ariel Rios Building, 1200 Pennsylvania Avenue, NW.  
Washington, DC 20460

### **For more information regarding water efficiency, please contact:**

Water Efficiency Program (4204M)  
U.S. Environmental Protection Agency  
Ariel Rios Building, 1200 Pennsylvania Avenue, NW.  
Washington, DC 20460  
<[www.epa.gov/OWM/water-efficiency/index.htm](http://www.epa.gov/OWM/water-efficiency/index.htm)>



United States  
Environmental Protection Agency (4204M)  
Washington, DC 20460

Official Business  
Penalty for Private Use \$300



# STORMWATER MANAGEMENT

## Public Education and Outreach on Stormwater Impacts

Public education and outreach is a key component of stormwater management. Well-planned public education and outreach programs will support and help achieve the goals of the other minimum control measures. Personal and household decisions can have a large impact on stormwater. From car washing to laundry detergent to dog walking, small alteration in daily activities can make a difference. North Wales Borough continues to take steps towards spreading awareness.

## Stormwater is Everyone's Responsibility!

Did you know that the stormwater drains and inlets within your neighborhood have an important impact on the water quality of our streams?

Why? Because storm drains flow directly to nearby rivers and streams, not to wastewater treatment plants. Your city street is really like waterfront property and everything that rain washes off your roof, yard, and driveway goes to the nearby water used for swimming, boating, and maybe even drinking.

In addition, anything that is dumped into these drains, such as used motor oil, paint, or excess pesticides, goes directly into a local stream. Stenciling will remind everyone - homeowners, business owners, developers, and other citizens - not to dump anything into storm drains so we can protect our water from storm water pollution that may close beaches, cause unsightly weed and algae growth, and even kill fish!

## This pollution comes from where?

From all of us! Stormwater picks up litter, yard waste, excess lawn fertilizers and pesticides, leaking oil on streets and parking lots, pet wastes in parks and on lawns, and dirt from construction sites. All together, this adds up to more pollution than industries make!

## What can I do to help?

Never dump substances down a storm drain that you wouldn't swim in or drink. Spread this simple message to everyone you know. Other ways to help include:

- Use less fertilizer on lawns
- Recycle used oil
- Pick up pet wastes
- Dispose of household hazardous wastes responsibly

For more information check out the Pennsylvania Department of Environmental Protection at [www.depweb.state.pa.us](http://www.depweb.state.pa.us)



# ILLICIT DISCHARGE DETECTION & ELIMINATION PLAN

Smithfield Township, Monroe County, Pennsylvania



Prepared by:



May 2022



## **Table of Contents**

**Introduction**

**Exempt Discharges**

**Identification of Priority Areas**

**Procedures for Identifying Illicit Discharges / Documentation**

**Procedures for Eliminating Illicit Discharges**

**Attachment I – Water Quality Contacts**

**Attachment II – Illicit Discharge Tracking Sheet**

## **Introduction**

Smithfield Township is required under its MS4 (Municipal Separate Storm Sewer System) program to develop an Illicit Discharge Detection and Elimination (IDDE) Plan. The purpose of the plan is to satisfy the requirements of Minimum Control Measure #3 under the MS4 program. The IDDE plan outlines the procedures to detect and remove illicit discharges to the MS4.

The Smithfield Township MS4 consists of the conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, and storm drains or storm sewer system.

Illicit Discharges include any discharge to the MS4 this is prohibited under local, state, or federal statutes, ordinances, codes, or regulations. This includes all non-stormwater discharges except discharges pursuant to an NPDES (National Pollutant Discharge Elimination System) permit and discharges that are exempt.

## **Exempt Discharges**

Exempt, as defined in US EPA (EPA 833-F-00-007), discharges include the following:

- Water line flushing
- Diverted stream flows
- Uncontaminated ground water infiltration
- Discharges from potable water sources
- Air conditioning condensation
- Springs
- Footing drains
- Flows from riparian habitats and wetlands
- Street wash water.
- Landscape irrigation
- Rising ground waters
- Uncontaminated pumped ground water
- Foundation drains
- Irrigation water
- Water from crawl space pumps
- Lawn watering, individual residential car washing
- De-chlorinated swimming pool discharges

(The illicit discharge detection and elimination program does not need to address the above categories of non-stormwater discharges or flows unless the Township identifies them as significant contributors of pollutants to its MS4)

## **Identification of Priority Areas**

Priority areas are generally selected based on the likelihood of illicit connections, which typically are found in areas with older sanitary sewer lines (historic industrial areas and older residential development).

Illicit discharge detection will be performed in the priority areas, as well as other areas of the Township, as part of the MS4 outfall inspections and during normal daily activities of the Township's public works staff.

### **Procedures for Identifying Illicit Discharges / Documentation**

The Township's public works staff will identify illicit discharges primarily visually through direct observation of illegal discharges, connections or suspect discharges to the stormwater system. Illicit discharge identification during the MS4 outfall inspections will be through visual observations as well as a combination of field and laboratory water quality testing. Illicit discharges can be documented on the form included as Attachment II. Indications of an illicit discharge may include unnatural color, odor, turbidity, surface sheen, floating material and field or laboratory analysis.

Illicit discharge identification may include, but is not limited to, inlet inspections, investigation of contributing areas when suspect pollutants are identified in a stormwater outfall, interviews of residents or businesses near an identified illicit discharge, dye or smoke tests and video inspections.

All incidents and follow up investigations shall be fully documented and kept on file at the Township offices. An Illicit Discharge Tracking Sheet is enclosed as Attachment II.

### **Procedures for Eliminating Illicit Discharges**

When an illicit discharge is identified the appropriate Township staff will work with the discharger to find a solution to the problem and notify them to remove / correct the illicit connection. Although not mandatory or required, this may include offering limited technical assistance for restoration activities.

If deemed appropriate, particularly when voluntary compliance is not timely, the discharger will be notified of an illicit discharge violation and legal action will be initiated through the appropriate local, state, and federal agencies.

**Attachment I**  
**Water Quality Contacts**

## **Illicit Discharges Water Quality Hotlines – MS4 Program**

Residents are often the first to notice pollution problems in their communities. These ‘illicit’ discharges can originate from various sources and contribute to degradation of local water ways. The following are situations which should be reported and who to contact:

<b>Violation</b>	<b>Who to Contact</b>
Dumping of petroleum products, chemicals, hazard materials to the ground surface or stormwater facilities	Pennsylvania Department of Environmental Protection: (484) 250 5900
Spills of petroleum products, chemicals or hazard materials	Pennsylvania Department of Environmental Protection: (484) 250 5900
Sediment leaving a construction site	Monroe County Conservation District: (570) 629 3060
Pollutants in Waterway	Pennsylvania Department of Environmental Protection: (484) 250 5900
Broken or leaking water mains	Smithfield Township: (570) 223 5082
Sewage effluent discharges	Smithfield Township: (570) 223 5082
Fish kills	Pennsylvania Fish Commission: (717) 626 0228 - or - Pennsylvania Department of Environmental Protection: (484) 250 5900

**Attachment II**

**Illicit Discharge Tracking Sheet**

## Illicit Discharge Tracking Sheet

<b>Incident ID:</b>			
<b>Responder Information</b>			
Information taken by:		Incident date:	
Time:		Precipitation (inches) in past 24-48 hrs:	
<b>Reporter Information</b>			
Incident time:		Incident date:	
Contact information ( <i>optional</i> ):			
<b>Incident Location</b> ( <i>complete one or more below</i> )			
Latitude and longitude:			
Stream address or outfall #:			
Closest street address:			
Nearby landmark:			
<b>Primary Location Description</b>		<b>Secondary Location Description:</b>	
<input type="checkbox"/> Stream corridor <i>(In or adjacent to stream)</i>		<input type="checkbox"/> Outfall	<input type="checkbox"/> In-stream flow
<input type="checkbox"/> Upland area <i>(Land not adjacent to stream)</i>		<input type="checkbox"/> Near storm drain	<input type="checkbox"/> Along banks
		<input type="checkbox"/> Near other water source (storm water pond, wetland, etc.):	
Narrative description of location:			
<b>Upland Problem Indicator Description</b>			
<input type="checkbox"/> Dumping		<input type="checkbox"/> Oil/solvents/chemicals	<input type="checkbox"/> Sewage
<input type="checkbox"/> Wash water, suds, etc.		<input type="checkbox"/> Other: _____	
<b>Stream Corridor Problem Indicator Description</b>			
Odor	<input type="checkbox"/> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rancid/Sour
	<input type="checkbox"/> Sulfide (rotten eggs); natural gas	<input type="checkbox"/> Other: Describe in "Narrative" section	



Appearance	<input type="checkbox"/> "Normal"	<input type="checkbox"/> Oil sheen	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Suds
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Floatables	<input type="checkbox"/> None:	<input type="checkbox"/> Sewage (toilet paper, etc)	<input type="checkbox"/> Algae	<input type="checkbox"/> Dead fish
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Narrative description of problem indicators:				
Suspected Violator (name, personal or vehicle description, license plate #, etc.):				
<b>Investigation Notes</b>				
Initial investigation date:		Investigators:		
<input type="checkbox"/> No investigation made		Reason:		
<input type="checkbox"/> Referred to different department/agency:		Department/Agency:		
<input type="checkbox"/> Investigated: No action necessary				
<input type="checkbox"/> Investigated: Requires action		Description of actions:		
Hours between call and investigation:		Hours to close incident:		
Date case closed:				
Notes:				

## Illicit Discharge Tracking Sheet

<b>Incident ID:</b>			
<b>Responder Information</b>			
Information taken by:		Incident date:	
Time:		Precipitation (inches) in past 24-48 hrs:	
<b>Reporter Information</b>			
Incident time:		Incident date:	
Contact information ( <i>optional</i> ):			
<b>Incident Location</b> ( <i>complete one or more below</i> )			
Latitude and longitude:			
Stream address or outfall #:			
Closest street address:			
Nearby landmark:			
<b>Primary Location Description</b>		<b>Secondary Location Description:</b>	
<input type="checkbox"/> Stream corridor <i>(In or adjacent to stream)</i>		<input type="checkbox"/> Outfall	<input type="checkbox"/> In-stream flow
<input type="checkbox"/> Upland area <i>(Land not adjacent to stream)</i>		<input type="checkbox"/> Near storm drain	<input type="checkbox"/> Along banks
		<input type="checkbox"/> Near other water source (storm water pond, wetland, etc.):	
Narrative description of location:			
<b>Upland Problem Indicator Description</b>			
<input type="checkbox"/> Dumping		<input type="checkbox"/> Oil/solvents/chemicals	<input type="checkbox"/> Sewage
<input type="checkbox"/> Wash water, suds, etc.		<input type="checkbox"/> Other: _____	
<b>Stream Corridor Problem Indicator Description</b>			
Odor	<input type="checkbox"/> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rancid/Sour
	<input type="checkbox"/> Sulfide (rotten eggs); natural gas	<input type="checkbox"/> Other: Describe in "Narrative" section	

Appearance	<input type="checkbox"/> "Normal"	<input type="checkbox"/> Oil sheen	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Suds
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Floatables	<input type="checkbox"/> None:	<input type="checkbox"/> Sewage (toilet paper, etc)	<input type="checkbox"/> Algae	<input type="checkbox"/> Dead fish
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Narrative description of problem indicators:				
Suspected Violator (name, personal or vehicle description, license plate #, etc.):				
<b>Investigation Notes</b>				
Initial investigation date:		Investigators:		
<input type="checkbox"/> No investigation made		Reason:		
<input type="checkbox"/> Referred to different department/agency:		Department/Agency:		
<input type="checkbox"/> Investigated: No action necessary				
<input type="checkbox"/> Investigated: Requires action		Description of actions:		
Hours between call and investigation:		Hours to close incident:		
Date case closed:				
Notes:				

# Smithfield Township's MS4 Program

(Municipal Separate Storm Sewer System)



Presentation provided by:



June 22, 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.
- Since the effective permit date, LVL Engineering Group and Smithfield Township have partnered to comply with several permit requirements including the 6 Minimum Control Measures, and sediment load and pathogen reduction.
- The Township is currently in Year 4 of the 5-Year Permit Period. Year 4 ends June 30<sup>th</sup>.



# Minimum Control Measures (MCM)

## MCM #1: Public Education and Outreach

Educational documents are posted on the Township website and in the Municipal Lobby, and are distributed through media outlets such as Facebook and the Township newsletter.

## MCM #2: Public Participation and Involvement

Volunteer opportunities are advertised through media outlets and include events such as Pick Up the Poconos and the Township's Spring Clean-Up.



# Minimum Control Measures (MCM)

## MCM #3: Illicit Discharge and Elimination

Illicit discharge education is distributed through the Township's website and media outlets.

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

Observation of outfalls are performed twice during the 5-year permit period. LVL Engineering Group performed screenings over Year 2 and during this Year 4.



# Minimum Control Measures (MCM)

MCM #4: Construction Site Stormwater Runoff Control

MCM #5: Post-Construction Stormwater Management

Township ordinances follow the PADEP Chapter 102 requirements for erosion and sedimentation controls and post-construction stormwater management.

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.



# Minimum Control Measures (MCM)

## 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

# Pollutant Reduction Plan

## Sediment Reduction

- 2,178 acres of identified Urbanized Area partly discharges stormwater to two unnamed tributaries of the Sambo Creek, and partly discharges stormwater to the Sambo Creek alone.
- The calculated sediment load is 754,282 pounds per year.
- The Township is required to reduce the existing calculated sediment load by 10% or 75,428 pounds per year.
- Current development including Vigon, Black Buffalo, and Eagle Valley Self Storage can aid in reducing the required sediment load.

# Pollutant Reduction Plan

## Pathogen Reduction

- 2,942 acres of identified Urbanized Areas partly discharges stormwater to the Brodhead Creek which drains to the Delaware River, or partly discharges stormwater to the Delaware River alone.
- Public education and monitoring potential pathogen sources can reduce the pathogens within the impaired waterways. The Year 3 report identified the following potential sources:



## Sewage

<u>Pathogen Source</u>	<u>Description</u>
Combined Sewers	Collect both stormwater and sanitary discharge in one system.
Leaking Sewers	Old or damaged public sewer infrastructure which allows for the discharge of untreated sewage
Malfunctioning Septic Systems	Malfunctioning systems discharging untreated sewage to the ground surface.
Wastewater Treatment Plans	Existing plants that treat sewage and discharge to a neighboring stream
Recreational Facilities	Potential sewage or gray water discharges from marina facilities or boats, or pathogens occurring due to swimming and the presence of pets.

Animal Waste	
<u>Pathogen Source</u>	<u>Description</u>
Manure Applications	Improper application of manure to agricultural fields can contaminate local streams.
Grazing Livestock	Isolation of livestock from riparian zones and providing bridges for channel crossing.
Large Concentrated Animal Operations	Impairment to streams can occur by improper diversion of runoff and seepage/discharge from liquid manure storage areas.
Backyard Animal Operations	Small backyard animal operations, i.e., chickens. Improper setbacks and disposal of wastes can impair streams
Pet Boarding	Improper management of waste at pet boarding facilities.
Pet Waste/Dog Parks	Failure of picking up after a pet can lead to impacts to local streams during storm events.
Wildlife	Fecal matter from wildlife can be a source of pathogens in watersheds.

# Stormwater Management Ordinance

- Include definitions for green infrastructure and low impact development.

GREEN INFRASTRUCTURE - systems and practices that use or mimic natural processes to infiltrate, evapotranspire, or reuse stormwater on the site where it is generated.

LOW IMPACT DEVELOPMENT - site design approaches and small-scale stormwater management practices that promote the use of natural systems for infiltration, evapotranspiration, and reuse of rainwater. LID can be applied to new development, urban retrofits, and revitalization projects. LID utilizes design techniques that infiltrate, filter, evaporate, and store runoff close to its source. Rather than rely on costly large-scale conveyance and treatment systems, LID addresses stormwater through a variety of small, cost-effective landscape features located onsite.

- Include the required need for a PADEP NPDES permit for the MS<sub>4</sub>.
- Include Volume Controls which will require developers to meet the NPDES requirements of groundwater recharge.

# Year 4 Report Summary

- Programs for each Minimum Control Measure including documentation of how each MCM has been satisfied.
- Provide a list of newly constructed and/or proposed Best Management Practices that can reduce the sediment load.
- Provide a list of Pollutant Control Measures including the sources of pathogens.
- Provide the Outfall Observation Reports.
- Provide proof that the Stormwater Management Report has been updated to be consistent with the 2022 model ordinance.

# 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.

## What is Storm Water?

Storm water is water from precipitation that flows across the ground and pavement when it rains or when snow and ice melt. The water seeps into the ground or drains into what we call storm sewers. These are the drains you see at street corners or at low points on the sides of streets. Collectively, the draining water is called storm water runoff.

## Why is Storm Water "Good Rain Gone Wrong?"

Storm water becomes a problem when it picks up debris, chemicals, dirt, and other pollutants as it flows or when it causes flooding and erosion of stream banks. Storm water travels through a system of pipes and roadside ditches that make up storm sewer systems. It eventually flows directly to a lake, river, stream, wetland, or coastal water. All of the pollutants storm water carries along the way empty into our waters, too, because storm water does not get treated!

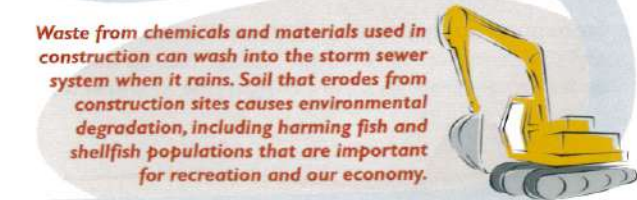


**Pet wastes left on the ground get carried away by storm water, contributing harmful bacteria, parasites and viruses to our water.**



**Vehicles drip fluids (oil, grease, gasoline, antifreeze, brake fluids, etc.) onto paved areas where storm water runoff carries them through our storm drains and into our water.**

**Chemicals used to grow and maintain beautiful lawns and gardens, if not used properly, can run off into the storm drains when it rains or when we water our lawns and gardens.**



**Waste from chemicals and materials used in construction can wash into the storm sewer system when it rains. Soil that erodes from construction sites causes environmental degradation, including harming fish and shellfish populations that are important for recreation and our economy.**

## Where To Go To Continue the Information Flow

Your community is preventing storm water pollution through a storm water management program. This program addresses storm water pollution from construction, new development, illegal dumping to the storm sewer system, and pollution prevention and good housekeeping practices in municipal operations. It will also continue to educate the community and get everyone involved in making sure the only thing that storm water contributes to our water is ... water! Contact your community's storm water management program coordinator or the Pennsylvania Department of Environmental Protection for more information about storm water management.



Pennsylvania Department of Environmental Protection  
www.dep.state.pa.us

# When It Rains, It Drains

Understanding Storm Water and How It Can Affect Your Money, Safety, Health, and the Environment



1. **Ditch** - Part of the storm sewer system. Most people think that the system is just a series of underground pipes. It can also include ditches used to convey water from the land to a receiving lake, river, or stream.
2. **Fire Hydrant** - Not part of the storm sewer system. Water sprayed from fire hydrants is not storm water but is allowed by law to enter the storm sewer system.
3. **Curb with Storm Drain Inlet** - Part of the storm sewer system. Many people do not realize that this is an opening leading to the storm sewer system. Anything going into this inlet (e.g., trash, leaves, improperly disposed of hazardous materials) travel directly to a receiving lake, river, or stream without being treated first. Many communities send storm drains with "Do Not Dump" messages to let people know.
4. **Storm Sewer Outfall** - Part of the storm sewer system. An outfall is where storm water drains from the storm sewer system into a receiving lake, stream, or river. If there is a flow from an outfall when it isn't raining, there could be a problem with the system or someone has used a storm drain for illegally disposing of materials.
5. **Toilet** - Not part of the storm sewer system. Wastewater from sinks and toilets in houses and businesses may have a combined sewer system designed to carry both storm water and sanitary wastes.
6. **Septic System** - Not part of the storm sewer system. Homeowners use septic tanks to manage sanitary wastes on-site. Improperly maintained septic systems can leak and contribute pollutants to the storm sewer system, as well as directly to lakes, rivers, and streams.
7. **Roads and Other Paved Areas** - Not part of the storm sewer system. Roads and other hardened surfaces such as parking lots and sidewalks can accumulate pollutants (e.g., oil, grease, dirt, leaves, trash, pet wastes) that storm water eventually washes into the storm sewer system.
8. **Storm Drain Inlet** - Part of the storm sewer system. This is another example of what a storm drain may look like. Like the storm drain inlet shown in picture #3, anything that enters this drain will go directly to streams, rivers, and lakes without being treated first. It is important to recognize this as a storm drain to prevent it from being used as a trash can.

Answers to Test Your Storm Sewer System Savvy:



## What Happens When It Rains?

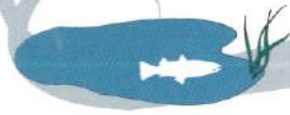


Rain is an important part of nature's water cycle, but there are times it can do more damage than good. Problems related to storm water runoff can include:



*Flooding caused by too much storm water flowing over hardened surfaces such as roads and parking lots, instead of soaking into the ground.*

*Increases in spending on maintaining storm drains and the storm sewer system that become clogged with excessive amounts of dirt and debris.*



*Decreases in sportfish populations because storm water carries sediment and pollutants that degrade important fish habitat.*

*More expensive treatment technologies to remove harmful pollutants carried by storm water into our drinking water supplies.*



*Closed beaches due to high levels of bacteria carried by storm water that make swimming unsafe.*

We can help rain restore its good reputation while protecting our health and environment while saving money for ourselves and our community. Keep reading to find out how...

## Test Your Storm Sewer System Savvy!



What does the storm sewer system look like in your community? See if you can identify which pictures are part of the storm sewer system. (Answers are on the back.)



## Restoring Rain's Reputation: What Everyone Can Do To Help

Rain by nature is important for replenishing drinking water supplies, recreation, and healthy wildlife habitats. It only becomes a problem when pollutants from our activities like car maintenance, lawn care, and dog walking are left on the ground for rain to wash away. Here are some of the most important ways to prevent storm water pollution:

- ◆ Properly dispose of hazardous substances such as used oil, cleaning supplies and paint—never pour them down any part of the storm sewer system and report anyone who does.
- ◆ Use pesticides, fertilizers, and herbicides properly and efficiently to prevent excess runoff.
- ◆ Look for signs of soil and other pollutants, such as debris and chemicals, leaving construction sites in storm water runoff or tracked into roads by construction vehicles. Report poorly managed construction sites that could impact storm water runoff to your community. (See the back of this brochure for contact information.)
- ◆ Install innovative storm water practices on residential property, such as rain barrels or rain gardens, that capture storm water and keep it on site instead of letting it drain away into the storm sewer system.
- ◆ Report any discharges from storm water outfalls during times of dry weather—a sign that there could be a problem with the storm sewer system.
- ◆ Pick up after pets and dispose of their waste properly. No matter where pets make a mess—in a backyard or at the park—storm water runoff can carry pet waste from the land to the storm sewer system to a stream.
- ◆ Store materials that could pollute storm water indoors and use containers for outdoor storage that do not rust or leak to eliminate exposure of materials to storm water.



## Smithfield Township July Calendar Update

Smithfield Township Municipal Center will be **CLOSED July 5th** in observance of Independence Day.

### Board of Supervisors Rescheduled Meetings:

**Work Session**

**Wednesday, July 14th at 4pm**

**Regular Business Meeting**

**Tuesday, July 20th at 7pm**

Township [Event Calendar](#) and [Facebook](#).



*Celebrate*  
**4TH OF JULY**  
**SAFELY**

- ✦ Never allow children to play with fireworks.
- ✦ Only allow adults to light fireworks one at a time, then quickly back away!
- ✦ Never pick up or try to relight fireworks that have not fully ignited.
- ✦ Keep a bucket of water or garden hose handy in case of a fire.
- ✦ After the fireworks have burned, fully douse them with water before disposing to prevent trash fires



[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

medications or substances that can impair judgment or the ability to react quickly to an emergency

- ✦ Be sensitive of neighbors and their pets, particularly if military veterans live nearby
- ✦ Whether attending a professional display, or using consumer fireworks, always remain at a safe distance from the ignition location.



click on this image for more information:  
[Pennsylvania Pressroom](#)



## **Delaware Water Gap National Recreation Area National Park Service Announcement of Updated Regulations**

So many questions come up when planning a trip to the Poconos; Where can I go camping? Am I allowed to have a campfire? Which park trails allow bicycles? Can I bring my dog? Where can I have a barbecue? Can I fly my drone?

“Being aware of the rules and regulations is a good place to start when planning a trip to the park. Knowing what is allowed and where you can go to do certain activities is an important part of having a safe and fun national park visit,” advised Chief Ranger Eric Lisnik. “Be sure to check the park’s website for the latest updates and information before visiting, whether you’re coming from down the road or across the country.”

“Some of the most beautiful places to visit are also among the most fragile environments in the park and are easily damaged by trash, human waste,

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

when visiting so that these special areas can remain as they are for future generations of visitors to also enjoy.”

Be sure your questions are answered by checking out the new policy below! Set an example by considering the nature of our local parks and treating them well. For more information on Delaware Water Gap National Recreation Area, call 570-426-2452 or visit the National Park Service’s [website](#).

### NEW POLICY

---



# PROTECT OUR WATERSHED

## SUMMER TIPS

### 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.



## Keystone Scholars

### PA Savings Plan For Your Baby's Future Education

Pennsylvania's investment in your child's bright future is Keystone Scholars. This program is under the umbrella of PA 529 which refers to Section 529 of the IRS tax code, providing special tax breaks to encourage savings. To each family that registers, the Keystone Scholars fund will provide a starting deposit \$100 for each infant born in Pennsylvania after December 31, 2018. This program is funded by the Guaranteed Savings Plan and Philanthropic donations, the \$100 will be invested by Pennsylvania Treasury and will grow with your child over time. This savings fund will then be utilized for your child's future post-secondary education costs. As a family continuously adds just \$25 a month, your child may acquire about \$10,000 by the time they graduate high school! There are no income limits and anyone can contribute.

**GET STARTED**



## Dansbury Pool Pass Discount

DAILY OR SEASON PASS  
DISCOUNT VOUCHER FOR RESIDENTS

	HALF DAY	FULL DAY	SEASON PASS
2-17	\$3	\$6	\$65
18+	\$4	\$7	\$90
SENIOR	\$3	\$5	\$60
FAMILY**	\$10	\$20	\$145
+CHILD	\$1	\$2	\$10

\*\*FAMILY RATES APPLY TO 2 ADULTS & UP TO 2 CHILDREN UNDER THE AGE OF 18 IN THE SAME HOUSEHOLD

### Stop by Smithfield Township Municipal Center

BRING PROOF OF RESIDENCY TO  
1155 RED FOX ROAD, EAST STROUDSBURG  
TO FILL OUT YOUR DISCOUNT FORM  
MUNICIPAL CENTER IS OPEN  
MONDAY THROUGH FRIDAY 7AM-4:30PM



**In the Beginning there was Lightning**

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

June was the month of thunderstorms, and July looks like more of the same. The next time dark clouds close out the daylight, still keep a safe distance but enjoy the show! I recommend one of those comfy canvas camp chairs on a covered porch or inside an opened garage. As the thunder booms and the sky turns gunmetal gray, you'll feel the wind change direction and chill. Thunder grows louder and rain splats slap the driveway.

Suddenly the dark sky lights for a millisecond, pinioning every object in blue-white light. Count the seconds until the thunder crack blasts. Divide the seconds by 5 to estimate miles in the distance; the sound can travel one mile in about 5 seconds. If the seconds get shorter, start thinking. Is it moving our way? Will the power stay on? Does my phone still work?

A few things to consider before a storm:

- Fully charge any electronic devices and portable chargers you have.
- Have matches & candles/flashlights & batteries handy.
- Fill your bathtub with water and put a bucket by the toilet to flush.
- Clean and fill water containers with drinking water.
- Make sure you have snacks that don't require electricity to prepare.
- Keep a fire extinguisher handy.
- Keep a news source line open, whether it is a radio or website.

Now that you're prepared, time travel to an earth 3.5 billion years ago, before life evolved, where the land was pocked with volcanoes caked in basalt. The skies, fed by the steam from the volcanoes, are roiled with dark-as-night thunder clouds. The strike of each lightning arc of 300 million volts shatters the chemical structure of the basalt, releasing phosphorus, while the pelting rain provides moisture to join it with other elements that make up the basic building blocks of DNA. Eventually, something began oozing out of the slime that could direct itself, reproduce itself, grow and change. Life. That camp chair in the



**STATE REPRESENTATIVE ROSEMARY BROWN HOSTS A  
GOVERNMENT INFORMATION SESSION  
FOR**

**BOY SCOUTS  
AND GIRL SCOUTS  
LOOKING TO FULFILL  
BADGE REQUIREMENTS**

**OPEN TO SCOUTS OF ALL AGES**

**DATE**  
Friday, July 16  
*Rain Date: Friday, July 23*

**LOCATION**  
Waterfront Park  
1170 Red Fox Road  
East Stroudsburg, PA 18301

**TIME**  
10-10:30 a.m. for Girl Scouts  
11-11:30 a.m. for Boy Scouts



[Subscribe](#)

[Past Issues](#)

[Translate](#) ▼

[RSS](#)

Rep. Rosemary Brown will be hosting two 30 minute in-person government education sessions for local boy scouts and girl scouts who live in the 189th district. These young boys and girls will have the opportunity to learn more about the functions of state government as well as converse with their state representative.

**To register for this event, please contact Brown's district office at 570-420-8301.**

[www.RepBrown.com](http://www.RepBrown.com) | [Facebook.com/RepBrown](https://Facebook.com/RepBrown)



This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



**Smithfield Township PA**

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Open now

Rating - 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos

Memorial Day  
MAY 30TH

YARD SALE

VOTE

**Smithfield Township PA**  
July 19, 2021

The Board of Supervisors' Regular Business Meeting will be held tomorrow, July 20th at 7pm. Join us on YouTube: <https://bit.ly/3dumJlg> or through Zoom: <https://bit.ly/3h6OOAC>

Like | Comment | Share

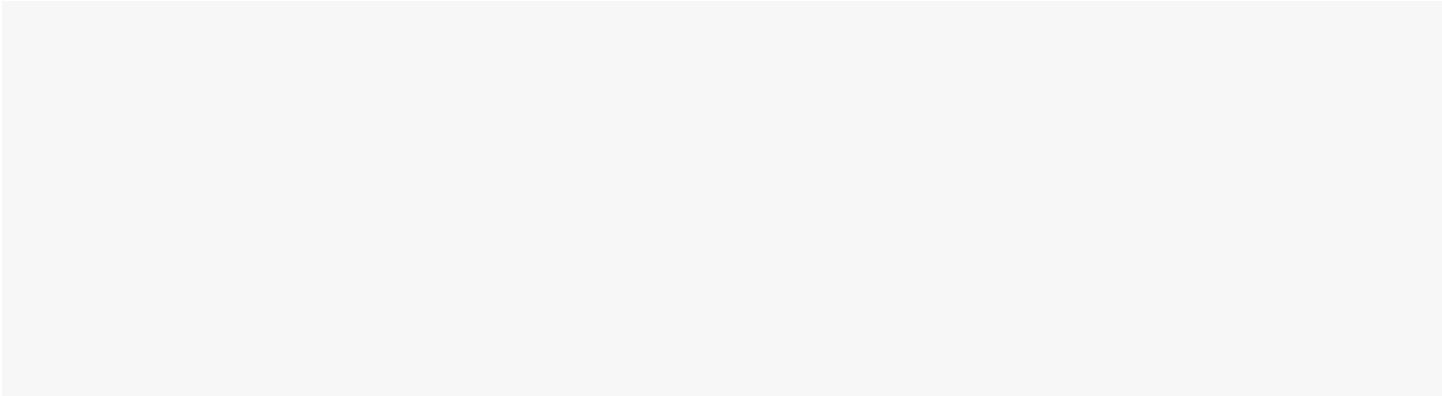
**Smithfield Township PA**  
July 17, 2021

Keystone Scholars

**Melissa Hutchison**

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Thursday, July 1, 2021 8:00 AM  
**To:** Melissa Prugar  
**Subject:** July Newsletter



**Smithfield Township July Calendar Update**

Smithfield Township Municipal Center will be **CLOSED July 5th** in observance of Independence Day.

**Board of Supervisors Rescheduled Meetings:**

**Work Session**

**4pm**

**Wednesday, July 14th at**

**Regular Business Meeting**

**Tuesday, July 20th at 7pm**

Thank you for your understanding, updates will be posted on the Smithfield Township [Event Calendar](#) and [Facebook](#).

---



*Celebrate*  
**4TH OF JULY**  
**SAFELY**



- ✦ Never allow children to play with fireworks.
- ✦ Only allow adults to light fireworks one at a time, then quickly back away!
- ✦ Never pick up or try to relight fireworks that have not fully ignited.
- ✦ Keep a bucket of water or garden hose handy in case of a fire.
- ✦ After the fireworks have burned, fully douse them with water before disposing to prevent trash fires
- ✦ Never use fireworks while under the influence; alcohol, medications or substances that can impair judgment or the ability to react quickly to an emergency
- ✦ Be sensitive of neighbors and their pets, particularly if military veterans live nearby
- ✦ Whether attending a professional display, or using consumer fireworks, always remain at a safe distance from the ignition location.







## **Delaware Water Gap National Recreation Area**

### **National Park Service Announcement of Updated Regulations**

So many questions come up when planning a trip to the Poconos; Where can I go camping? Am I allowed to have a campfire? Which park trails allow bicycles? Can I bring my dog? Where can I have a barbecue? Can I fly my drone?

“Being aware of the rules and regulations is a good place to start when planning a trip to the park. Knowing what is allowed and where you can go to do certain activities is an important part of having a safe and fun national park visit,” advised Chief Ranger Eric Lisnik. “Be sure to check the park’s website for the latest updates and information before visiting, whether you’re coming from down the road or across the country.”

“Some of the most beautiful places to visit are also among the most fragile

environments in the park and are easily damaged by trash, human waste, overuse, and misuse,” said Kara Deutsch, Chief of Resource Management and Science at the park. “We ask all visitors to follow the rules and regulations when visiting so that these special areas can remain as they are for future generations of visitors to also enjoy.”

Be sure your questions are answered by checking out the new policy below! Set an example by considering the nature of our local parks and treating them well. For more information on Delaware Water Gap National Recreation Area, call 570-426-2452 or visit the National Park Service’s [website](#).

**NEW POLICY**

---

# PROTECT OUR WATERSHED

## SUMMER TIPS

### 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.



## **Keystone Scholars**

### **PA Savings Plan For Your Baby's Future Education**

Pennsylvania's investment in your child's bright future is Keystone Scholars. This program is under the umbrella of PA 529 which refers to Section 529 of the IRS tax code, providing special tax breaks to encourage savings. To each family that registers, the Keystone Scholars fund will provide a starting deposit \$100 for each infant born in Pennsylvania after December 31, 2018. This program is funded by the Guaranteed Savings Plan and Philanthropic donations, the \$100 will be invested by Pennsylvania Treasury and will grow with your child over time. This savings fund will then be utilized for your child's future post-secondary education costs. As a family continuously adds just \$25 a month, your child may acquire about \$10,000 by the time they graduate high school! There are no income limits and anyone can contribute.

**GET STARTED**

---



## Dansbury Pool Pass Discount

DAILY OR SEASON PASS  
DISCOUNT VOUCHER FOR RESIDENTS

	HALF DAY	FULL DAY	SEASON PASS
2-17	\$3	\$6	\$65
18+	\$4	\$7	\$90
SENIOR	\$3	\$5	\$60
FAMILY**	\$10	\$20	\$145
*CHILD	\$1	\$2	\$10

\*\*FAMILY RATES APPLY TO 2 ADULTS & UP TO 2 CHILDREN UNDER THE AGE OF 18 IN THE SAME HOUSEHOLD

### Stop by Smithfield Township Municipal Center

BRING PROOF OF RESIDENCY TO  
1155 RED FOX ROAD, EAST STROUDSBURG  
TO FILL OUT YOUR DISCOUNT FORM.  
MUNICIPAL CENTER IS OPEN  
MONDAY THROUGH FRIDAY 7AM-4:30PM.



## In the Beginning there was Lightning

By Robert Lovenheim



June was the month of thunderstorms, and July looks like more of the same. The next time dark clouds close out the daylight, still keep a safe distance but enjoy the show! I recommend one of those comfy canvas camp chairs on a covered porch or inside an opened garage. As the thunder booms and the sky turns gunmetal gray, you'll feel the wind change direction and chill. Thunder grows louder and rain splats slap the driveway.

Suddenly the dark sky lights for a millisecond, pinioning every object in blue-white light. Count the seconds until the thunder crack blasts. Divide the seconds by 5 to estimate miles in the distance; the sound can travel one mile in about 5 seconds. If the seconds get shorter, start thinking. Is it moving our way? Will the power stay on? Does my phone still work?

A few things to consider before a storm:

- Fully charge any electronic devices and portable chargers you have.
- Have matches & candles/flashlights & batteries handy.
- Fill your bathtub with water and put a bucket by the toilet to flush.
- Clean and fill water containers with drinking water.
- Make sure you have snacks that don't require electricity to prepare.
- Keep a fire extinguisher handy.
- Keep a news source line open, whether it is a radio or website.

Now that you're prepared, time travel to an earth 3.5 billion years ago, before life evolved, where the land was pocked with volcanoes caked in basalt. The skies, fed by the steam from the volcanoes, are roiled with dark-as-night thunder clouds. The strike of each lightning arc of 300 million volts shatters the chemical structure of the basalt, releasing phosphorus, while the pelting rain provides moisture to join it with other elements that make up the basic building blocks of DNA. Eventually, something began oozing out of the slime that could direct itself,

reproduce itself, grow and change. Life. That camp chair in the garage is a mighty good seat for a show where I can think such amazing thoughts.

---

STATE REPRESENTATIVE ROSEMARY BROWN HOSTS A  
**GOVERNMENT INFORMATION SESSION**  
FOR



# BOY SCOUTS AND GIRL SCOUTS LOOKING TO FULFILL BADGE REQUIREMENTS

OPEN TO SCOUTS OF ALL AGES



## DATE

Friday, July 16  
*Rain Date: Friday, July 23*



## LOCATION

Waterfront Park  
1170 Red Fox Road  
East Stroudsburg, PA 18301



## TIME

10-10:30 a.m. for Girl Scouts  
11-11:30 a.m. for Boy Scouts

Rep. Rosemary Brown will be hosting two 30 minute in-person government education sessions for local boy scouts and girl scouts who live in the 189th district. These young boys and girls will have the opportunity to learn more about the functions of state government as well as converse with their state representative.

**To register for this event, please contact Brown's district office at 570-420-8301.**

[www.RepBrown.com](http://www.RepBrown.com) | [Facebook.com/RepBrown](https://Facebook.com/RepBrown)



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





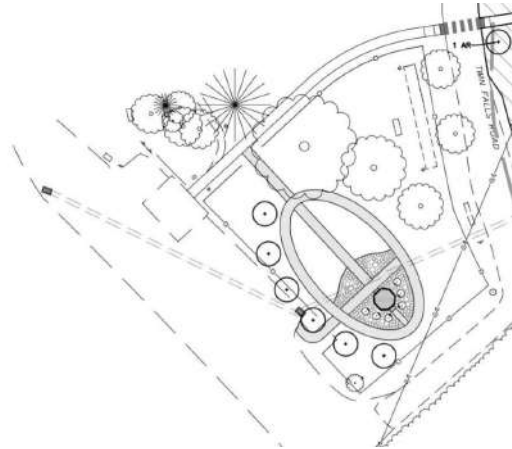
## Waterfront Wellness Park: Gazebo Construction

Waterfront Park is beginning its transformation into a wellness sanctuary; Phase 2: The Gazebo broke ground on July 26<sup>th</sup>. Phase 2 adds a riparian buffer trail, relocates the gazebo, and installs a native plant garden with a small loop path.

Waterfront Park has multiple upgrades scheduled to occur: Phase 1: Fishing Pier, Phase 2: The Gazebo, and Phase 3: Vision Loss Trail. Phase 1 is funded through a DCED Greenway, Trails, and Recreation Program (GTRP) grant of



funds through a DCED Local Share Account (LSA) grant for \$147,467. Phases 1 and 2 should be completed by the end of 2021, and Phase 3 will start in 2022.



Waterfront Park is open while Phase 2 is under construction, but please keep a safe distance from the worksite. There are stakes in the ground, restricted barriers, and heavy equipment.

We look forward to the completion of this project!



## Monroe County's Housing Rehabilitation Program

To ensure safe, sanitary, and decent housing for our residents here in

program provides financial support to repair your home and much more!

However, funds may not be used for room additions/luxury items.

Some eligible work items may include:

- Repairing systems such as heating, electrical, plumbing and roofing
- Making the home more energy efficient
- Structural components (walls, decks, and porches)
- Windows and doors
- Require testing for lead hazards and radon
- Accessibility needs

The applicant must be a U.S. citizen with a residential, single-dwelling unit located in Monroe County, PA. Home must be occupied as a main residence and ownership will be verified.

Annual gross income for all family/household members must not exceed the following limits:

1 Person: \$45,650

2 Persons: \$52,200

3 Persons: \$58,700

4 Persons: \$65,200

5 Persons: \$70,450

6 Persons: \$75,650

7 Persons: \$80,850

Further, the applicant's mortgage payment, property and school taxes, and homeowner's insurance and applicable association dues need to be paid up to date or on a payment plan. The building to be practically renovated cannot be up for sale or at risk of foreclosure. They will also be reviewing the applicant's

Monroe at (570) 421- 4300 or email [adminsecretary@monroecountyrda.org](mailto:adminsecretary@monroecountyrda.org).



## Local Matters: 2021 Municipal Election Edition

By Jacob Pride

Whether you are new to our area or are a longtime resident, you should know that there are no “off years” with elections. Much excitement is associated with presidential and midterm elections – but local elections arguably have a more direct effect on your life. Municipal offices have jurisdiction over a variety of issues, from parks and recreation to wills to school activities to Courts.

For Smithfield Township’s listing of local elected officials, the following offices will be on the ballot this fall:

- Pennsylvania Supreme Court (1 seat)
- Pennsylvania Superior Court (1 seat)
- Pennsylvania Commonwealth Court (2 seats)
- Monroe County Treasurer

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

- [Smithfield Township Supervisor](#)
- [Smithfield Township Tax Collector](#)
- [Smithfield Township Auditor](#)

To vote in this election, you must first be registered to vote. You can easily register to vote online [here](#). To be eligible for this election, your registration must be completed by October 18<sup>th</sup>. Voters may choose to vote by mail or in person. To vote in person, simply go to your polling place on Election Day, November 2<sup>nd</sup>, and be in line before 8 p.m.

To vote by mail, you may apply for your ballot using the secure VotesPA website [here](#). Applications for Mail-in Ballots must be received by October 26<sup>th</sup> at 5 p.m. Completed Mail-in Ballots must be received by the County Elections Office by November 2<sup>nd</sup> at 8 p.m. Voters may opt to take their ballot to the Elections Office directly or use one of the County's drop-boxes. Information on drop-boxes will be published by the County in the coming months.

For specific questions about elections in Monroe County, contact the Office of Elections & Voter Registration at 570.517.3165. They are also on the web [here](#).

For Smithfield's listing of local elected officials and links to their respective websites, see Smithfield's Voting and Elected Officials page [here](#).





## Knotweed: An Invasive Plant to PA

Japanese and Giant Knotweed, both native to Japan, are invasive to PA. They mature quickly and spread rapidly, choking native plants. First, Knotweed sprouts in late March to mid-April. It is a bamboo-like plant that can grow up to 12 feet featuring large, heart-shaped leaves. Flowering occurs in late July and seeds mature in August and September. The plant propagates mainly through its roots and secondarily through seeds. Knotweed is commonly found on riverbanks and can spread rapidly through waterways. Because of this, it is difficult to mitigate growth and eliminate.

To manage and eventually eliminate knotweed, experts recommend these two steps:

1. **Cut the plant back.** Around the first week in July (or before the flowers bloom), cut the stalks to about knee height. Local landscapers find a machete works best, but use whatever tool works best for you. Always exercise caution when using tools.
2. **Spray with eco-friendly herbicide.** In September (about six weeks after the cut but before the first frost), spray the plant with glyphosate. Glyphosate is absorbed through leaves, so be sure to spray the foliage well. Be sure to treat plants on a sunny day – glyphosates need time to become rainproof.



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

follow these steps every year. Once the knotweed is weakened or dead, plant other vegetation to restore the habitat and help prevent a resurgence.

If you haven't sprayed the plant with herbicide, you can try mitigating springtime growth by eating it! Similar to rhubarb, knotweed can be eaten raw or cooked, even pickled or baked. Try searching "Knotweed Recipes" on the internet to find new and interesting recipes. Whether it's through whipping up delicious treats or using the herbicide method, it is important to contain and then eliminate this invasive plant.

[LEARN MORE](#)



MUNICIPAL CENTER MEALS ON WHEELS



# CLIENT NEEDS PANTRY

Providing more than a meal to the elderly & homebound

---

## REQUEST FOR DONATIONS

### MOST-NEEDED ITEMS

- Toilet paper
- Paper towels
- Deodorant
- Incontinence supplies
- Tissues
- Laundry detergent
- Cleaning supplies
- Dish detergent

CALL (570) 424-8794 FOR MORE INFO

DROP OFF AT THE TOWNSHIP BUILDING OR  
MON-FRI, 8AM-4PM  
AT 901 POLK VALLEY RD  
STROUDSBURG, PA 18360



For the month of August, Smithfield Township will be partnering with Meals on Wheels and collecting donations at the Municipal Center:

*1155 Red Fox Road  
East Stroudsburg, PA 18301*

[Subscribe](#)

[Past Issues](#)

[Translate](#) ▼

[RSS](#)



This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



**Intro**  
Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos

Smithfield Township PA  
August 3, 2021

August 2021 Newsletter - <https://mailchi.mp/8b35a4629498/august-2021-newsletter>  
Learn more and sign up for our monthly newsletter at [www.smithfieldtownship.com](http://www.smithfieldtownship.com)

## AUGUST NEWSLETTER

- Local Matters: 2021 Municipal Election Information
- Monroe County's Housing Rehabilitation Program
- Knotweed: Invasive Plant of P.A.
- Monroe County Meals on Wheels: Donation Box at Municipal Center
- Waterfront Wellness Park: Gazebo Construction

1 Share

## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Thursday, August 5, 2021 8:00 AM  
**To:** Melissa Prugar  
**Subject:** August 2021 Newsletter

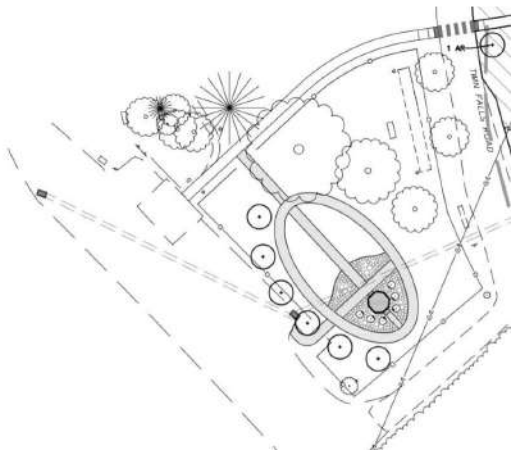


### **Waterfront Wellness Park: Gazebo Construction**

Waterfront Park is beginning its transformation into a wellness sanctuary; Phase 2: The Gazebo broke ground on July 26<sup>th</sup>. Phase 2 adds a riparian buffer trail, relocates the gazebo, and installs a native plant garden with a small loop path.

Waterfront Park has multiple upgrades scheduled to occur: Phase 1: Fishing Pier, Phase 2: The Gazebo, and Phase 3: Vision Loss Trail. Phase 1 is funded through a DCED Greenway, Trails, and Recreation Program (GTRP) grant of

\$84,880, Phase 2 is funded through a DCNR Community Conservation Partnerships Program (C2P2) grant of \$104,290, and Phase 3 has secured funds through a DCED Local Share Account (LSA) grant for \$147,467. Phases 1 and 2 should be completed by the end of 2021, and Phase 3 will start in 2022.



Waterfront Park is open while Phase 2 is under construction, but please keep a safe distance from the worksite. There are stakes in the ground, restricted barriers, and heavy equipment.

We look forward to the completion of this project!



## **Monroe County's Housing Rehabilitation Program**

To ensure safe, sanitary, and decent housing for our residents here in Smithfield Township, we'd like to bring your attention to Monroe County's Housing Rehabilitation Program. Funded by Federal and State funds, this program provides financial support to repair your home and much more!



However, funds may not be used for room additions/luxury items.

Some eligible work items may include:

- Repairing systems such as heating, electrical, plumbing and roofing
- Making the home more energy efficient
- Structural components (walls, decks, and porches)
- Windows and doors
- Require testing for lead hazards and radon
- Accessibility needs

The applicant must be a U.S. citizen with a residential, single-dwelling unit located in Monroe County, PA. Home must be occupied as a main residence and ownership will be verified.

Annual gross income for all family/household members must not exceed the following limits:

1 Person: \$45,650

2 Persons: \$52,200

3 Persons: \$58,700

4 Persons: \$65,200

5 Persons: \$70,450

6 Persons: \$75, 650

7 Persons: \$80, 850

Further, the applicant's mortgage payment, property and school taxes, and homeowner's insurance and applicable association dues need to be paid up to date or on a payment plan. The building to be practically renovated cannot be up for sale or at risk of foreclosure. They will also be reviewing the applicant's satisfactory equity in the home to secure the loan.

For more information, please call the Redevelopment Authority of the County of Monroe at (570) 421- 4300 or email [adminsecretary@monroecountyrda.org](mailto:adminsecretary@monroecountyrda.org).



## **Local Matters: 2021 Municipal Election Edition**

By Jacob Pride

Whether you are new to our area or are a longtime resident, you should know that there are no “off years” with elections. Much excitement is associated with presidential and midterm elections – but local elections arguably have a more direct effect on your life. Municipal offices have jurisdiction over a variety of issues, from parks and recreation to wills to school activities to Courts.

For Smithfield Township’s listing of local elected officials, the following offices will be on the ballot this fall:

- Pennsylvania Supreme Court (1 seat)
- Pennsylvania Superior Court (1 seat)
- Pennsylvania Commonwealth Court (2 seats)
- Monroe County Treasurer
- Monroe County Coroner
- East Stroudsburg Area School Board (5 seats)
- Smithfield Township Supervisor
- Smithfield Township Tax Collector

- Smithfield Township Auditor

To vote in this election, you must first be registered to vote. You can easily register to vote online [here](#). To be eligible for this election, your registration must be completed by October 18<sup>th</sup>. Voters may choose to vote by mail or in person. To vote in person, simply go to your polling place on Election Day, November 2<sup>nd</sup>, and be in line before 8 p.m.

To vote by mail, you may apply for your ballot using the secure VotesPA website [here](#). Applications for Mail-in Ballots must be received by October 26<sup>th</sup> at 5 p.m. Completed Mail-in Ballots must be received by the County Elections Office by November 2<sup>nd</sup> at 8 p.m. Voters may opt to take their ballot to the Elections Office directly or use one of the County's drop-boxes. Information on drop-boxes will be published by the County in the coming months.

For specific questions about elections in Monroe County, contact the Office of Elections & Voter Registration at 570.517.3165. They are also on the web [here](#).

For Smithfield's listing of local elected officials and links to their respective websites, see Smithfield's Voting and Elected Officials page [here](#).



## **Knotweed: An Invasive Plant to PA**

Japanese and Giant Knotweed, both native to Japan, are invasive to PA. They mature quickly and spread rapidly, choking native plants. First, Knotweed sprouts in late March to mid-April. It is a bamboo-like plant that can grow up to 12 feet featuring large, heart-shaped leaves. Flowering occurs in late July and seeds mature in August and September. The plant propagates mainly through its roots and secondarily through seeds. Knotweed is commonly found on riverbanks and can spread rapidly through waterways. Because of this, it is difficult to mitigate growth and eliminate.

To manage and eventually eliminate knotweed, experts recommend these two steps:

1. **Cut the plant back.** Around the first week in July (or before the flowers bloom), cut the stalks to about knee height. Local landscapers find a machete works best, but use whatever tool works best for you. Always exercise caution when using tools.
2. **Spray with eco-friendly herbicide.** In September (about six weeks after the cut but before the first frost), spray the plant with glyphosate. Glyphosate is absorbed through leaves, so be sure to spray the foliage well. Be sure to treat plants on a sunny day – glyphosates need time to become rainproof.

Knotweed can take two years or more to entirely remove, so make sure to follow these steps every year. Once the knotweed is weakened or dead, plant other vegetation to restore the habitat and help prevent a resurgence.

If you haven't sprayed the plant with herbicide, you can try mitigating springtime growth by eating it! Similar to rhubarb, knotweed can be eaten raw or cooked, even pickled or baked. Try searching "Knotweed Recipes" on the internet to find new and interesting recipes. Whether it's through whipping up delicious treats or

using the herbicide method, it is important to contain and then eliminate this invasive plant.

[LEARN MORE](#)

MONROE COUNTY MEALS ON WHEELS'

# CLIENT NEEDS PANTRY

Providing more than a meal to the elderly & homebound

## REQUEST FOR DONATIONS

### MOST-NEEDED ITEMS

- Toilet paper
- Paper towels
- Deodorant
- Incontinence supplies
- Tissues
- Laundry detergent
- Cleaning supplies
- Dish detergent

CALL (570) 424-8794 FOR MORE INFO

DROP OFF AT THE TOWNSHIP BUILDING OR  
MON-FRI, 8AM-4PM  
AT 901 POLK VALLEY RD  
STROUDSBURG, PA 18360

**For the month of August, Smithfield Township  
will be partnering with Meals on Wheels and  
collecting donations at the Municipal Center:**

*1155 Red Fox Road  
East Stroudsburg, PA 18301*



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA







## Trunk or Treat

*Smithfield Township Municipal Center: October 22, 2021*

Come enjoy some extra holiday fun! Smithfield Township will be hosting a trunk or treat event on October 22nd from 5:30 p.m. to 7:30 p.m. at the [municipal center](#). To participate as a vehicle decorator, please pre-register by October 10th [here](#). Vehicle decorators are encouraged to set up at 5:00 p.m. and candy

## Trick or Treating

October 31, 2021

6 p.m. to 8 p.m.

Throughout Smithfield Township



## Leaf Collection Program

*October 18 – November 19, 2021*

is required that the resident to remove any residual leaf piles.

**Do not rake twigs, branches, walnuts, sticks, rocks, bottles, garden debris, etc. with the leaves: such items cause equipment to breakdown.**

Guidelines for bulk leaf piles:

- All leaves to be collected must be placed at the shoulder, off the road. Avoid raking leaves onto pavement, crosswalks, fire hydrants, decorative plantings, catch basins, or stormwater ditches, which could cause drainage issues during rain.
- Bags and rigid containers of leaves will not be collected. No exceptions!
- The leaf pile may extend the length of the property.
- Do not mix limbs, brush, and other debris in the leaf piles. This may result in damage to equipment and injuries to employees.
- Adverse weather conditions may cause delays on posted leaf collection dates.
- State regulations prohibit the collection of leaves mixed with regular trash.
- Township employees and equipment are not permitted to enter private property to remove leaves.
- Motorists should be cautious on local roads during leaf collection time.

**Landscapers and Garden Services:** It is illegal to dump loads of leaves on Township streets. Any contractor caught dumping leaves will be subject to a fine for illegal dumping on Township right-of-way.

Residents are encouraged to mulch and/or compost leaves.

---



## Local Matters: Statewide Appellate Courts

*By Jacob Pride*

In our last edition, we discussed local offices from County Treasurer down to Township Auditor. Not only are those offices on the ballot, but so is a portion of the Pennsylvania judiciary. The Unified Judicial System of Pennsylvania is comprised of several levels. On the ballot this year are seats on the **Supreme Court** (1), **Superior Court** (1), and the **Commonwealth Court** (2). These courts are collectively known as appellate courts, where appeals of lower court decisions are heard.

Individuals elected to these seats serve ten-year terms, which are renewable in retention elections. They must retire on the last day of the calendar year in which they turn 75. Members of the Commonwealth and Superior Courts are referred to as judges, while judges on the Supreme Court are referred to as justices. Each court holds their own responsibilities. For the purposes of this article, only the judicial offices elected this year in Smithfield Township will be discussed. The local judiciary will be featured at a later date.

The **Commonwealth Court** hears suits filed by and against the Commonwealth, as well as appeals of local government and state regulatory

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

hears cases with all judges (*en banc*) or a single judge. There are seven members of this court.

The **Superior Court** hears appeals of all criminal and most civil cases, including family law matters. Those cases are generally appeals originating from the Court of Common Pleas. The Superior Court meets in panels of three but occasionally hears cases with nine judges (considered *en banc*) or a single judge. There are fifteen members of this court. Generally, cases that the Superior Court decides are not taken up on appeal.

The **Supreme Court** is the court of final appeal in all matters in Pennsylvania unless the U.S. Supreme Court grants *certiorari*. *Certiorari* is Latin for “to inform,” meaning the Court seeks the legal record of a case from a lower court. The Supreme Court is comprised of seven justices and has a discretionary docket, which permits the Court to select which cases it hears.

To learn more about the Pennsylvania judiciary, visit

<https://www.pacourts.us/courts>.

## Your Vote Counts – Vote November 2<sup>nd</sup>

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

The 2021 General Election is just 26 days away – do not miss your chance to have your voice heard. You may vote in person at your polling place, via Mail-in Ballot (without excuse), or Absentee Ballot. This year, voters are asked to elect a Supreme Court justice, one Superior Court judge, two Commonwealth Court judges, a County Treasurer, a County Coroner, five School Board directors, a Township Supervisor, a Township Tax Collector, and a Township Auditor, among other municipal positions.

Mail-In Ballots must be received by the Monroe County Office of Elections by 8 p.m. on Election Day (November 2). Dropboxes are available – for dropbox hours, [click here](#).

Sample ballots:

[Smithfield One](#)

[Smithfield Two](#)

[Smithfield Three](#)

[Smithfield Four](#)

To locate your polling place, click [here](#) and visit Pennsylvania Voter Services.

To check your registration status or find your polling place, [click here](#).

To request an Absentee or Mail-In Ballot, [click here](#).





**Budget meetings**

**October 20<sup>th</sup> and 27<sup>th</sup>**  
**November 3<sup>rd</sup> and 10<sup>th</sup>**

All meetings will be held at 10 a.m.  
[CLICK HERE](#) for Zoom Information



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

### *Needs Feedback from Local Property Owners*

The Water Quality, Forest, and Wildlife Habitat Fund can be used to acquire land, development rights and/or conservation easements in Smithfield Township in order to:

- Protect drinking water supplies.
- Protect water quality in lakes, rivers, and streams.
- Protect forests and wildlife habitats.
- Protect wetlands that provide flood protection.

If you are interested in learning more about protecting your property for future generations or if you know of a property that you think should be protected, they want to hear from you! Please contact:

Robert Lovenheim  
Smithfield Township  
[robert@smithfieldtownship.com](mailto:robert@smithfieldtownship.com)  
570-223-5082

-or-

Louise Troutman  
Pocono Heritage Land Trust  
[ltroutman@phlt.org](mailto:ltroutman@phlt.org)  
570-424-1514



## W I N T E R I Z E

### YOUR RAIN BARREL

To prevent your rain barrel any damage such as freezing and cracking plastic, we recommend you take the following steps to winterize your rain barrel:

1. Drain and leave the spigot open.
2. Remove hoses and rain spout diverter and leave faucets open.
3. Clear debris from the barrel and the filter screen.
4. Store the barrel turned upside down in a dry spot to prevent water accumulation. Preferably store indoors such as in a garage or basement, though outside under a tarp will do just fine.

### Want a rain barrel for next year?

[Click here](#) to follow Broadhead Creek Heritage Center for rain barrel workshops!



## Trash & Recycling Collection

According to Smithfield Township's Solid Waste and Recycling Ordinance ([No. 217](#)), it is required that all residents use the services of an authorized collector

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

commercial trash or recycling collection — however, there are many private haulers to choose from through The Monroe County Waste Authority. You can find a list of public haulers in Monroe County on The Waste Authority's [website](#).

Residents and commercial establishments must keep all recyclables separate, mixing waste or leaf debris for collection, removal, or disposal is called contamination and prevents authorized waste collectors to remit them to recycling facilities. Make sure to check with your hauler for what can and cannot be recycled. Again, it is mandatory to have a recycling program through Ordinance 217.

If you would prefer to drop-off recyclables, the Monroe County Municipal Waste Management Authority operates two recycling drop-off sites in the county. Residents may drop off their recyclables at one of two sites:

- **DCNR in Pocono Township: 2174A PA-611, Swiftwater, PA 18370**
- **Military Road Recycling Site in Stroud Township: 1110 Military Road, Stroudsburg, PA 18360**

For more information on hours of operation, please, click [here](#) to visit the Monroe County Municipal Waste Authority website.

For a list of acceptable and unacceptable items, please click [here](#).

Do your part and recycle; it's the law!

**The Waste Authority Website**

[Subscribe](#)

[Past Issues](#)

[Translate](#) ▼

[RSS](#)



This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





**Smithfield Township PA**

### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com


Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

### Photos

See all photos



Like Comment Share

Write a comment...

**Smithfield Township PA**  
October 7, 2021 ·

October 2021 eNewsletter - <https://mailchi.mp/6124b3b28394/october-2021-enewsletter>  
Check trick or treating hours, leaf pick up information, election information, and more!





## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Thursday, October 7, 2021 8:00 AM  
**To:** Melissa Prugar  
**Subject:** October 2021 eNewsletter



## Trunk or Treat

*Smithfield Township Municipal Center: October 22, 2021*

Come enjoy some extra holiday fun! Smithfield Township will be hosting a trunk or treat event on October 22nd from 5:30 p.m. to 7:30 p.m. at the [municipal center](#). To participate as a vehicle decorator, please pre-register by October 10th [here](#). Vehicle decorators are encouraged to set up at 5:00 p.m. and candy

will be provided for free upon arrival. During the event, we will require social distancing and masks are strongly encouraged.

## Trick or Treating

October 31, 2021

6 p.m. to 8 p.m.

Throughout Smithfield Township



## Leaf Collection Program

*October 18 – November 19, 2021*

Smithfield Township's Leaf Collection Program is conducted for five weeks from mid-October to mid-November. Once an area has received its leaf collection, it is required that the resident to remove any residual leaf piles.

**Do not rake twigs, branches, walnuts, sticks, rocks, bottles, garden**

**debris, etc. with the leaves: such items cause equipment to breakdown.**

Guidelines for bulk leaf piles:

- All leaves to be collected must be placed at the shoulder, off the road. Avoid raking leaves onto pavement, crosswalks, fire hydrants, decorative plantings, catch basins, or stormwater ditches, which could cause drainage issues during rain.
- Bags and rigid containers of leaves will not be collected. No exceptions!
- The leaf pile may extend the length of the property.
- Do not mix limbs, brush, and other debris in the leaf piles. This may result in damage to equipment and injuries to employees.
- Adverse weather conditions may cause delays on posted leaf collection dates.
- State regulations prohibit the collection of leaves mixed with regular trash.
- Township employees and equipment are not permitted to enter private property to remove leaves.
- Motorists should be cautious on local roads during leaf collection time.

**Landscapers and Garden Services:** It is illegal to dump loads of leaves on Township streets. Any contractor caught dumping leaves will be subject to a fine for illegal dumping on Township right-of-way.

Residents are encouraged to mulch and/or compost leaves.

---



## Local Matters: Statewide Appellate Courts

*By Jacob Pride*

In our last edition, we discussed local offices from County Treasurer down to Township Auditor. Not only are those offices on the ballot, but so is a portion of the Pennsylvania judiciary. The Unified Judicial System of Pennsylvania is comprised of several levels. On the ballot this year are seats on the **Supreme Court (1)**, **Superior Court (1)**, and the **Commonwealth Court (2)**. These courts are collectively known as appellate courts, where appeals of lower court decisions are heard.

Individuals elected to these seats serve ten-year terms, which are renewable in retention elections. They must retire on the last day of the calendar year in which they turn 75. Members of the Commonwealth and Superior Courts are referred to as judges, while judges on the Supreme Court are referred to as justices. Each court holds their own responsibilities. For the purposes of this article, only the judicial offices elected this year in Smithfield Township will be discussed. The local judiciary will be featured at a later date.

The **Commonwealth Court** hears suits filed by and against the Commonwealth, as well as appeals of local government and state regulatory decisions. The latter type of case is typically first heard in the Court of Common

Pleas. The Commonwealth Court meets in panels of three but occasionally hears cases with all judges (*en banc*) or a single judge. There are seven members of this court.

The **Superior Court** hears appeals of all criminal and most civil cases, including family law matters. Those cases are generally appeals originating from the Court of Common Pleas. The Superior Court meets in panels of three but occasionally hears cases with nine judges (considered *en banc*) or a single judge. There are fifteen members of this court. Generally, cases that the Superior Court decides are not taken up on appeal.

The **Supreme Court** is the court of final appeal in all matters in Pennsylvania unless the U.S. Supreme Court grants *certiorari*. *Certiorari* is Latin for “to inform,” meaning the Court seeks the legal record of a case from a lower court. The Supreme Court is comprised of seven justices and has a discretionary docket, which permits the Court to select which cases it hears. To learn more about the Pennsylvania judiciary, visit <https://www.pacourts.us/courts>.

## Your Vote Counts – Vote November 2<sup>nd</sup>



The 2021 General Election is just 26 days away – do not miss your chance to have your voice heard. You may vote in person at your polling place, via Mail-in Ballot (without excuse), or Absentee Ballot. This year, voters are asked to elect a Supreme Court justice, one Superior Court judge, two Commonwealth Court judges, a County Treasurer, a County Coroner, five School Board directors, a Township Supervisor, a Township Tax Collector, and a Township Auditor, among other municipal positions.

Mail-In Ballots must be received by the Monroe County Office of Elections by 8 p.m. on Election Day (November 2). Dropboxes are available – for dropbox hours, [click here](#).

Sample ballots:

[Smithfield One](#)

[Smithfield Two](#)

[Smithfield Three](#)

[Smithfield Four](#)

To locate your polling place, click [here](#) and visit Pennsylvania Voter Services.

To check your registration status or find your polling place, [click here](#).

To request an Absentee or Mail-In Ballot, [click here](#).

**MORE VOTING INFORMATION**

---





**Budget meetings**

**October 20<sup>th</sup> and 27<sup>th</sup>**  
**November 3<sup>rd</sup> and 10<sup>th</sup>**

All meetings will be held at 10 a.m.  
[CLICK HERE](#) for Zoom Information



## **The Smithfield Open Space Review Board**

*Needs Feedback from Local Property Owners*

The Water Quality, Forest, and Wildlife Habitat Fund can be used to acquire land, development rights and/or conservation easements in Smithfield Township in order to:

- Protect drinking water supplies.
- Protect water quality in lakes, rivers, and streams.
- Protect forests and wildlife habitats.
- Protect wetlands that provide flood protection.

If you are interested in learning more about protecting your property for future generations or if you know of a property that you think should be protected, they want to hear from you! Please contact:

Robert Lovenheim  
Smithfield Township  
[robert@smithfieldtownship.com](mailto:robert@smithfieldtownship.com)  
570-223-5082

-or-

Louise Troutman  
Pocono Heritage Land Trust  
[ltroutman@phlt.org](mailto:ltroutman@phlt.org)  
570-424-1514

---



# WINTERIZE

## YOUR RAIN BARREL

**To prevent your rain barrel any damage such as freezing and cracking plastic, we recommend you take the following steps to winterize your rain barrel:**

1. Drain and leave the spigot open.
2. Remove hoses and rain spout diverter and leave faucets open.
3. Clear debris from the barrel and the filter screen.
4. Store the barrel turned upside down in a dry spot to prevent water accumulation. Preferably store indoors such as in a garage or basement, though outside under a tarp will do just fine.

**Want a rain barrel for next year?**

**Click [here](#)** to follow Broadhead Creek Heritage Center for rain barrel workshops!



## Trash & Recycling Collection

According to Smithfield Township's Solid Waste and Recycling Ordinance ([No. 217](#)), it is required that all residents use the services of an authorized collector for waste collection. Recycling, too, is mandatory under this ordinance in Smithfield Township. The township itself does not provide residential or commercial trash or recycling collection — however, there are many private

haulers to choose from through The Monroe County Waste Authority. You can find a list of public haulers in Monroe County on The Waste Authority's [website](#).

Residents and commercial establishments must keep all recyclables separate, mixing waste or leaf debris for collection, removal, or disposal is called contamination and prevents authorized waste collectors to remit them to recycling facilities. Make sure to check with your hauler for what can and cannot be recycled. Again, it is mandatory to have a recycling program through Ordinance 217.

If you would prefer to drop-off recyclables, the Monroe County Municipal Waste Management Authority operates two recycling drop-off sites in the county.

Residents may drop off their recyclables at one of two sites:

- **DCNR in Pocono Township: 2174A PA-611, Swiftwater, PA 18370**
- **Military Road Recycling Site in Stroud Township: 1110 Military Road, Stroudsburg, PA 18360**

For more information on hours of operation, please, click [here](#) to visit the Monroe County Municipal Waste Authority website.

For a list of acceptable and unacceptable items, please click [here](#).

Do your part and recycle; it's the law!

[The Waste Authority Website](#)



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





## Vote Today!

If you are planning to vote in person on election day, please follow these steps to help ensure a safe and orderly voting experience for everyone:

- **Wear a mask** that covers your nose and mouth. This can be a cloth mask or scarf, like you would wear in a grocery store.
  - *We strongly encourage voters to wear masks out of respect for their fellow voters and for the dedicated poll workers staffing the polling*



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

- **Bring your own blue- or black-ink pen** to mark your ballot to limit your exposure to shared surfaces.
- **Practice good hand hygiene.** You may want to bring hand sanitizer with you for your personal use.
- **Maintain social distance** from poll workers and other voters. This means staying about six feet apart from other people while you are waiting in line, checking in and voting.
- **Follow instructions from poll workers** and other election officials. They are there to help things run smoothly.
- **Be patient.** You can help by being patient and understanding while you exercise your right to vote.

Sample ballots:

[Smithfield One](#)

[Smithfield Two](#)

[Smithfield Three](#)

[Smithfield Four](#)

To locate your polling place, click [here](#) and visit Pennsylvania Voter Services.

---



## Hosting a Safe Holiday Dinner

As the holiday season approaches, it's time to prepare for large gatherings. Here are some pointers to ensure everyone stays safe:

- Check fire alarms by pressing the “test” button
- Keep children away from hot stoves and deep fryers
- Keep electrical cords out of reach
- Keep the floor clear of any tripping hazards- including electrical cords
- Never leave cooking food unattended

### Turkey Fryer Safety Tips:

1. Properly thaw the turkey before frying- remaining ice and water can cause excess, harmful hot oil spurts.
2. Fry outside, away from the house.
3. Ready a grease-fire-approved extinguisher to keep nearby.
4. Avoid oil spillover- leave room for

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

turkey into oil.



## Who Covers Your Area?

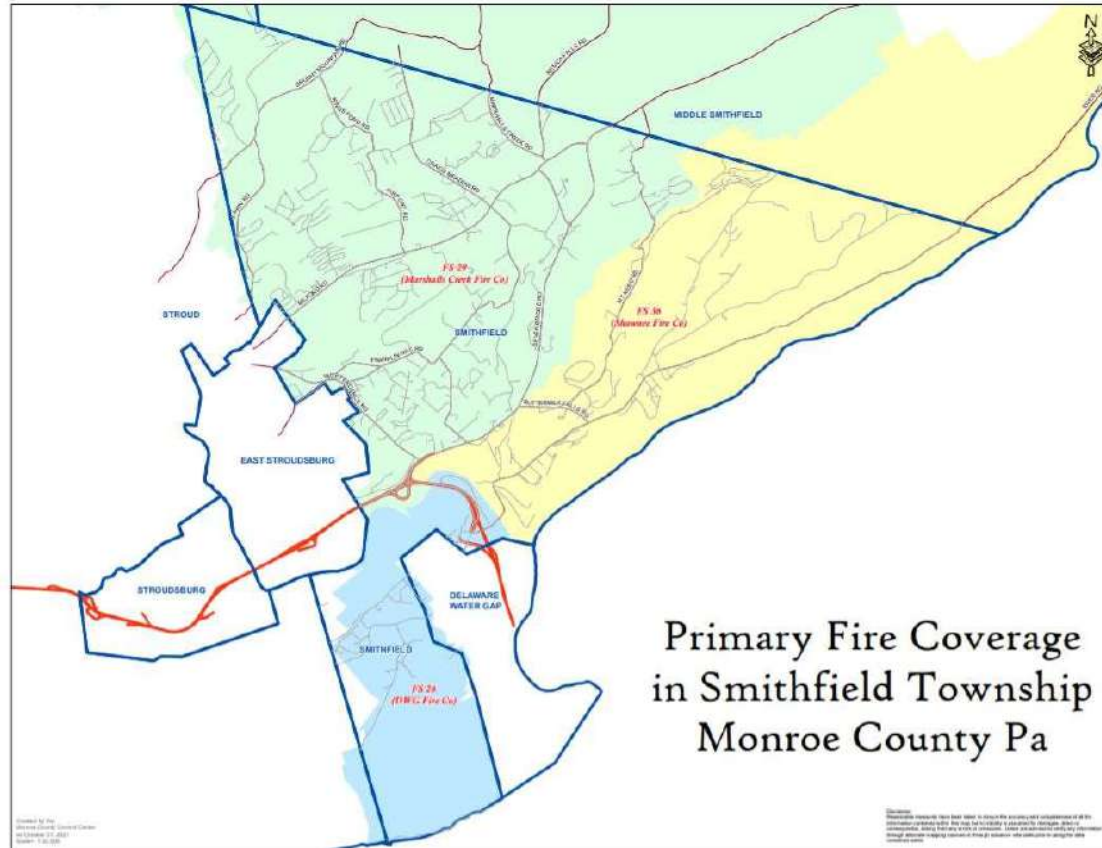
### *Your Local Fire Company*

Smithfield Township is fortunate enough to be covered by three diligent fire departments. Listed below are the station numbers, areas, and zip codes these companies service.

**Delaware Water Gap Fire Dept** - Station 26 covers Delaware Water Gap and

Smithfield & Middle Smithfield Townships. Zip code: 18335.

**Shawnee Fire Co. #1** - Station 36 covers portions of Smithfield & Middle Smithfield Townships. Zip code: 18356.



### Emergency Services

## Support your local fire company!

and getting involved in their fundraising events you can help these local, life-saving operations.

Delaware Water Gap Fire Co. [Facebook](#)

Marshalls Creek Volunteer Fire Co. [Facebook](#)

Shawnee on the Delaware Fire & Rescue Co. [Facebook](#)



## Idle Hours Idling

*By Robert Lovenheim*

Every morning we drive to the school bus stop and wait to see what time the bus will arrive. 8:31 today, place your bets. It's a good game for a six-year-old or older, and what better way to introduce kids to a game of chance? Why with luck my daughter could grow up to be a Vegas high roller. 8:32 today, you lose! I'm less concerned with the stakes (sometimes we bet an ice cream for after school) than I am watching the exhaust rising from the other ten cars in line while they wait (I wonder if they are playing bus arrival sweepstakes too?)

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

Yet most of my neighbors never think to turn off their cars during the five or ten minutes they sit idling and waiting. You would think that even those who care nothing about polluting the atmosphere would care that gas for their SUV is now at least \$3.50 a gallon (for regular). But the price of gas or the bigger price of pollution doesn't seem to make any difference.

I feel like getting out of our car and going window to window screaming "turn off your engine." But I know where that would get me in 21 Century America...in jail as some crazed old fool.

How do we get people to change habits? How do we get people to THINK about what they are doing? How do we get people to take some tiny measure of responsibility? I don't know anymore. But then, I am just a crazed guy who will be carted off one day for suggesting that people turn off their engines while idling at the bus stop.

---





## **Public Resource Tool**

### ***Geographic Information System***

A fantastic resource tool available to the public gives a bird's eye view of properties within our county. The Geographic Information System, or GIS, provides information on properties that includes but is not limited to owners, acreage, and boundaries. Additionally, the address search provides base statistics including calculating and estimating taxes; providing property values by featuring the number of rooms, whether the house has heating, a basement, and other features. The software includes resale history and current evaluations collected during Monroe County's recent reassessment.

#### **Property Search**

After selecting "agree" you will be led to the screen shown below. When searching the street address you would do better to abbreviate terms such as road to "RD", court to "CT", street to "ST", etc. If the street name is not registering, try clicking the "owner" tab and searching the property owner's last name.

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

**Search by**  
**Property Address**

Number  Unit/Apt#  Direction  Street \*  Suffix

**Filter By**

Options Sort by: Parcel ID  Ascending  Results/page:

\* required Data Current as of 25/Oct/2021

[Profile](#)[Values](#)[Sales](#)[Permits](#)[Residential](#)[Commercial](#)[Sketch](#)[Photos](#)[Map](#)[OBY](#)

After finding your property, the program will begin by displaying the initial profile. To the left, you will find the menu shown. Explore this menu to learn more about the property! By clicking the "map" option, you are led to a modified version of the GIS. This enables you to explore the layout and boundaries of your property from a bird's eye view. If you would like to access the GIS below, simply copy and paste the "Parcel ID" from your profile information and paste it into the Parcel ID Search under the GIS dashboard.

[GIS](#)



## Successful Recycling in Retail Operations

Packaging materials make up a large portion of any retail store's waste. Because much of this waste is generated outside the retail establishment, reduction efforts must be made in cooperation with vendors. If vendors ship products in unnecessary or non-recyclable packaging, consider asking them to reduce packaging or switch to materials that can be recycled or reused.

Helpful tips for bolstering recycling:

1. Perform a waste assessment. Walk through your operation and note what type of waste is discarded in each area to determine what types of recycling containers are needed.
2. Based on the results of the waste assessment, set up appropriate recycling programs in all areas. You will probably find that most of your waste will be corrugated cardboard. To reduce volume and make storage easier, you may wish to bale or compact the cardboard.
3. Make sure that managers of public areas in shopping complexes are provided with well-marked containers for recycling. Place containers

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

4. Inform employees about proper recycling procedures by issuing a memo and reviewing procedures at staff meetings or at the beginning of shifts.
5. Set up a logbook or a receipt system to record the volume of recyclables leaving the premises, and take appropriate action if volume decreases.
6. Include recycling information in orientation for new employees.
7. Explain the recycling program to custodial staff. Train them to collect waste separately and have a place they can take separated materials. Plan pick-ups on appropriate shifts so containers don't overflow.
8. Ask custodial staff to help monitor the program. Have them inform you of areas with major contamination problems or where employees are not participating, and follow up with improved recycling education in these areas.
9. If appropriate, make sure grounds crews know to keep yard waste separate from other waste.

---

**Smithfield Township Municipal Center will be**

**CLOSED**

**Veterans' Day: Thursday, Nov. 11th**

**Thanksgiving Day: Thursday, Nov. 25th**

**Black Friday: Friday, Nov. 26th**

**Thank you!**

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

---

This email was sent to [<<Email Address>>](#)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



### Smithfield Township PA

info@smithfieldtownship.com  
smithfieldtownship.com  
Opening Soon  
Rating - 1.0 (5 Reviews)

#### Photos

See all photos

The photo grid contains six images: a document with text, a plate of watermelon slices, a 'Hello Fall' sign with autumn leaves, a 'Memorial Day' sign with an American flag, a yellow 'LANE CLOSURE' sign, and a 'VOTE' sign with an American flag.

Write a comment...

Smithfield Township PA  
November 2, 2021  
November eNewsletter 2021 - <https://mailchi.mp/11632eea7a10/november-enewsletter-2021>  
Election Information, Local Fire Company Support, Public Resource Tool: Property Search, and More!



1





## Marshalls Falls Park Update

An endeavor that started in 2013, we have reached a groundbreaking at Marshalls Falls! To establish a parking lot and loop path to overlook the falls, the township has removed three buildings from the 17-acre property.

This is the first step of the ongoing development at Marshalls Falls. This phase is funded by a grant provided by the Demolition Fund administered by The Redevelopment Authority of the County of Monroe. This program funds the demolition of blighted property within the county.

Removing these buildings will make room for the much-needed parking lot,

## Demolition Video



### Recycle Your Real Christmas Tree

After the holidays, our residents have two options of where to drop off their real Christmas trees:

#### **Oak Grove Multi-Municipal Compost Facility**

3305 Oak Grove Dr.

East Stroudsburg, PA 18302

Monday – Saturday from 7 AM – 2 PM

#### **Smithfield Township Municipal Center**

1155 Red Fox Rd

East Stroudsburg, PA 18301



## Adoption of 2022 Budget

On our Board of Supervisors' last meeting of the year, December 28, 2021, the annual budget for 2022 will be reviewed and voted for adoption. Comments and suggestions are welcome in person or over the phone, or may be submitted online [HERE](#).

Join us at 7 PM via [Youtube](#) or [Zoom](#).

Past budget meeting minutes can be found [HERE](#) under "Budget Work Sessions".

## Draft Budget



## Letters of Interest Needed

Positions are available on the following Township boards/commissions:

- [Planning Commission](#): An advisory board charged with making recommendations to the Board of Supervisors regarding short- and long-term planning in the Township.

- Candidates must reside in Smithfield Township
- One term to expire in 2026
- Regular meetings are held the second Thursday of the month at 7 PM

Send letters of interest to Lois Turr by email, [Lois@smithfieldtownship.com](mailto:Lois@smithfieldtownship.com), or submit letters directly to the Municipal Center. **Letters accepted until 12/23 at 4 PM**

- [Sewer Authority Board](#): To administer the public sanitary sewer system in the Township. The position would require a citizen that is an existing Smithfield Sewer Authority customer and possesses some knowledge of construction, engineering, business, and/or has a financial background.

- One term to expire in 2025

Send letters of interest to Terri Timko at [ssauthority@smithfieldtownship.com](mailto:ssauthority@smithfieldtownship.com) or



## Waterfront Wellness Park Developments

If you have had the pleasure of stopping by our [new playground at Waterfront Park](#) in the last few months, you have most likely seen construction at the gazebo. Since the installation of the new playground, changes continue as we complete the transition to the new Waterfront Wellness Park.

In addition to updating the gazebo location, this phase includes work near the waterfront. To stabilize the stream bank, a riparian buffer is now in place. This native vegetation will root and prevent future erosion. Along with removing dead trees for safety and replacing them with saplings, this introduction of vegetation will create a new, native garden! Furthermore, visitors can now enjoy a garden loop trail.

This development has been funded by the township's application to grants





## Holiday Office Closures

Looking forward to the holidays, Smithfield Township Municipal Center offices will close for the following dates:

**December 23, 2021**

**December 24, 2021**

**December 31, 2021**

With early closure at 1:30 PM on Thursday, December 30th.

**Thank you and Happy Holidays!**





[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

---

---

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



**Intro**

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

---

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos

Like Comment Share

Write a comment...

**Smithfield Township PA**  
December 8, 2021

December 2021 eNewsletter - <https://mailchi.mp/8d219898a2e5/december-2021-newsletter>  
Park progress for Marshalls Falls and Waterfront Wellness Park, Budget meeting to approve 2022's Budget, Committee openings, Holiday office closures, and more!

## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Wednesday, December 8, 2021 8:00 AM  
**To:** Melissa Prugar  
**Subject:** December 2021 eNewsletter



### Marshalls Falls Park Update

An endeavor that started in 2013, we have reached a groundbreaking at Marshalls Falls! To establish a parking lot and loop path to overlook the falls, the township has removed three buildings from the 17-acre property.

This is the first step of the ongoing development at Marshalls Falls. This phase is funded by a grant provided by the Demolition Fund administered by The Redevelopment Authority of the County of Monroe. This program funds the demolition of blighted property within the county.

Removing these buildings will make room for the much-needed parking lot,

including necessary access to and from the falls that will be ADA compliant.

[Demolition Video](#)



## Recycle Your Real Christmas Tree

After the holidays, our residents have two options of where to drop off their real Christmas trees:

### **Oak Grove Multi-Municipal Compost Facility**

3305 Oak Grove Dr.

East Stroudsburg, PA 18302

Monday – Saturday from 7 AM – 2 PM

### **Smithfield Township Municipal Center**

1155 Red Fox Rd

East Stroudsburg, PA 18301

Monday - Friday from 8 AM – 4:30 PM

(From Dec 28 – Feb 28 only)



## Adoption of 2022 Budget

On our Board of Supervisors' last meeting of the year, December 28, 2021, the annual budget for 2022 will be reviewed and voted for adoption. Comments and suggestions are welcome in person or over the phone, or may be submitted online [HERE](#).

Join us at 7 PM via [Youtube](#) or [Zoom](#).

Past budget meeting minutes can be found [HERE](#) under "Budget Work Sessions".

[Draft Budget](#)



## Letters of Interest Needed

Positions are available on the following Township boards/commissions:

- [Planning Commission](#): An advisory board charged with making recommendations to the Board of Supervisors regarding short- and long-term planning in the Township.

- Candidates must reside in Smithfield Township
- One term to expire in 2026
- Regular meetings are held the second Thursday of the month at 7 PM

Send letters of interest to Lois Turr by email, [Lois@smithfieldtownship.com](mailto:Lois@smithfieldtownship.com), or submit letters directly to the Municipal Center. **Letters accepted until 12/23 at 4 PM**

- [Sewer Authority Board](#): To administer the public sanitary sewer system in the Township. The position would require a citizen that is an existing Smithfield Sewer Authority customer and possesses some knowledge of construction, engineering, business, and/or has a financial background.

- One term to expire in 2025

Send letters of interest to Terri Timko at [ssauthority@smithfieldtownship.com](mailto:ssauthority@smithfieldtownship.com) or drop them off at the Smithfield Township Municipal Center.





## Waterfront Wellness Park Developments

If you have had the pleasure of stopping by our [new playground at Waterfront Park](#) in the last few months, you have most likely seen construction at the gazebo. Since the installation of the new playground, changes continue as we complete the transition to the new Waterfront Wellness Park.

In addition to updating the gazebo location, this phase includes work near the waterfront. To stabilize the stream bank, a riparian buffer is now in place. This native vegetation will root and prevent future erosion. Along with removing dead trees for safety and replacing them with saplings, this introduction of vegetation will create a new, native garden! Furthermore, visitors can now enjoy a garden loop trail.

This development has been funded by the township's application to grants provided by Pennsylvania's [Department of Conservation and Natural Resources](#).

---

# Holiday Office Closures

Looking forward to the holidays, Smithfield Township Municipal Center offices will close for the following dates:

**December 23, 2021**

**December 24, 2021**

**December 31, 2021**

With early closure at 1:30 PM on Thursday, December 30th.

**Thank you and Happy Holidays!**



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





**Smithfield Township**  
Municipal Center

# January 22 eNewsletter



## Reorganization Meeting

### *Smithfield Township Board of Supervisors*

Board of Supervisors Organization as of January 3, 2022:

Chair of the Board of Supervisors: Jacob Pride

Vice-Chair of the Board of Supervisors: Robert Lovenheim

Secretary: Brian Barrett

Moving forward this year, the Board of Supervisors will hold two regular business meetings per month: one on the second Wednesday at 4 PM and the other on the fourth Wednesday at 7 PM with the exception of January.

Regular Meeting dates and times are as follows:

January 11, 2022: 4 PM

February 9, 2022: 4 PM

February 23, 2022: 7 PM

March 9, 2022: 4 PM

March 23, 2022: 7 PM

April 13, 2022: 4 PM

April 27, 2022: 7 PM

May 11, 2022: 4 PM

May 25, 2022: 7 PM

June 8, 2022: 4 PM

June 22, 2022: 7 PM

July 13, 2022: 4 PM

July 27, 2022: 7 PM

August 10, 2022: 4 PM

August 24, 2022: 7 PM

September 14, 2022: 4 PM

September 28, 2022: 7 PM

October 12, 2022: 4 PM

October 26, 2022: 7 PM

November 9, 2022: 4 PM

November 23, 2022: 7 PM

December 14, 2022: 4 PM

December 28, 2022: 7 PM

Agendas will be available [here](#) up to 24 hours before each meeting.

---



## Smithfield Township Special Event Permit

As we look to planning our new year, many organizations may be preparing to get their fundraisers and events back on track. If you are planning to have an event in Smithfield Township, remember to get a special event permit. This permit is issued to temporary events such as a carnival, fireworks display, parade march, or any other activity the supervisors may deem similar in character that does not exceed ten consecutive days. Any questions pertaining to your event and its need for a permit, please contact the [Smithfield Township Municipal Center](#). Applications can be made 30 days prior to the event. Permits do have a fee but non-profit organizations may request a waiver from the cost. **More information about the permit process can be found [here](#).**

### Application

---





# LIHWAP may be able to assist you with overdue water and wastewater bills.

## What is LIHWAP?

The Low Income Household Water Assistance Program (LIHWAP) is a temporary emergency program to help low-income families pay overdue water bills. LIHWAP is a grant. You do not have to repay it.

## To receive help...

- Apply starting January 4, 2022.
- You don't have to be on public assistance.
- You need to have an unpaid water bill.
- You can either rent or own your home.

## How does LIHWAP work?

LIHWAP Crisis grants may be available if you have an emergency situation and are in jeopardy of losing your water service. You can receive one Crisis grant for your drinking water service and one Crisis grant for your wastewater service, up to \$2,500 each.

## Crisis situations include:

- Past-due water bills.
- Termination of utility service.
- Danger of having utility service terminated (received a notice that service will be shut off within the next 60 days).

## How do I apply?

- Apply online at [www.compass.state.pa.us](http://www.compass.state.pa.us)
- Request an application by calling the Statewide Customer Service Center at 877-395-8930 or call PA Relay at 711 for the hearing impaired.
- Applications are available at your local county assistance office.

## To apply, you will need:

- Names of people in your household;
- Dates of birth for all household members;
- Social Security numbers for all household members;
- Proof of income for all household members; and
- A recent water bill.

## Who is eligible?

You may qualify for a LIHWAP grant if:

- You must have an overdue water bill that you are responsible for paying.
- Your household income meets the following income guidelines:

INCOME GUIDELINES	
Household Size	Maximum Annual Income
1	\$ 19,320
2	\$ 26,130
3	\$ 32,940
4	\$ 39,750
5	\$ 46,560
6	\$ 53,370
7	\$ 60,180
8	\$ 66,990
9	\$ 73,800
10	\$ 80,610
Each Additional Person Add \$ 6,810	

After your application is processed, you will receive a written notice that will tell you if you qualify. If eligible, it will tell you the amount of your grant.

HBNA 104 1021

All customers that qualify for this program will need to contact the Sewer Authority Office and request an account statement. Please, DO NOT send your invoice. Please contact Terri by email at [ssauthority@smithfieldtownship.com](mailto:ssauthority@smithfieldtownship.com), or leave a message at 570-223-5082, option #4 stating that you are requesting an account statement for the LIHWAP program. Please allow 48 hours for processing. Thank you.



## 9 Things Plow Drivers Wish You Knew

Driving in hail, freezing rain, and snow can be stressful. We get it and we all avoid it when we can. For when you have to be on the road, we've compiled some tips and tricks from our plow drivers that might just make your winter season easier (or at least less stressful).

1. **Stay behind the plow.** Yes, they might go a bit slower than you're used to, but consider this: the road is clearer (and treated) behind the plow.
  2. **Leave double the space.** Plow trucks are heavy; some can reach 36 tons. Even with great tires and traction, they have a longer braking period than regular cars. Add ice to the roads, and braking distance increases for everyone. Additionally, spreaders throw material onto the road. Getting too close puts your car in range of flying salt and antiskid.
  3. **Wait while we open intersections.** You've all seen it, a plow going back and forth across the road while they open intersections to make turning easier. Let us open the intersections so we can keep plowing elsewhere.
  4. **Plows aren't always allowed to plow roads.** Confusing, yes, but consider this: PennDOT is responsible for state roads, individual municipalities plow township roads, and contractors clear businesses, driveways, and private roads. Drivers are paid to clear certain areas, and that doesn't always include the route they take to reach their destination.
  5. **Always try to clear the road.** If you are parked on the road with your car, the plow trucks can't get through. Do what you can to clear the roadway.
  6. **We don't plow in your driveway on purpose.** Angling the plow away from driveways pushes snow into the road, which defeats the purpose of plowing. There will always be a trail of snow at the edge of your driveway. Yes, drivers plow in their own driveways too.
  7. **Avoid pushing snow from your driveway into the road.** Snow shoveled or plowed onto any roadway can increase the potential for crashes. Shovel or plow snow to the right side of your driveway as you face the intersecting roadway- by piling the snow away from the oncoming direction of the snow plows, the snow will not be pushed back onto the driveway. Refer to the diagram below for a visual!
  8. **No, we aren't targeting your mailbox.** Mailboxes are built right next to the road for ease of access for mail carriers. This also means they are in the direct path of flying snow, and dangerously close to the plow. If your mailbox has been knocked over, consider moving it back from the road a little.
  9. **Anything you do to slow a plow truck down means it takes us longer to clear the roads,** which means a more dangerous commute for everyone. Drive smart, take your time, and get home safe!
-



## YE OLDE SKIER

*By Robert Lovenheim*

My boots clump over the wooden bridge to a local ski mountain. Around me, skiers of all sizes rush to get in line for tickets, or claim lockers, or simply deposit their ski bags on an empty table in the lodge.

Another season is beginning.

I've been a ski instructor for several years, but I've lost count of when I started. The teaching staff is mainly high school kids from the area, "internationals"—college students coming from South America where it is summer, and die-hard old guys who keep at it, such as myself. Each November at the yearly orientation, we welcome each other back, all glad we'll have some company again this year.

Come the first cold weekend in December, we put on our boots in the fishbowl – management's name for the instructor's room – and trudge out to the ski school area to face another group of students.

Most ski areas have a learn-to-ski package deal that is great if you are a beginner. The package includes skis, boots, poles, helmet, lift ticket, and one lesson. Many of our students are just out for a day of fun, others are intent on really learning to ski, or ski better. I don't know if there is an official motto for the ski school but it should be, "Be Safe and Have a Good Time."

We, the instructors, are the "Be Safe" part. If we can teach you the proper stance, how to glide, stop, turn, and use a chairlift, we know you'll understand how to ski in control and have fun. Many visitors local don't take lessons. They jump on the beginners' slope chairlift, ride to the top, and – especially if they are snowboarders – usually fall in a heap at the top. Rarely does anyone get hurt, but lessons are good insurance so you know how to avoid these situations.

The most rewarding part of teaching, for me at least, is when you get a group that really clicks and everyone manages to do well in the basic drills. Then we go farther uphill, try some follow the leader turns, and build a little speed as we glide down to the end of the instruction area. Suddenly all the endless practice plays out in the pleasure of making effortless turns, gliding, building speed, and feeling like part of a group. When you ski this year, keep an eye out for me – one of the old guys in a yellow jacket who still gets excited when someone learns to ski.

---



## FREE Recycling Bins

The township has an abundance of blue recycling bins that stand about 2 feet tall. Anyone interested in receiving one can contact the [Municipal Center](#). These bins are not limited to Smithfield Township residents!

---



## Recycle Your Real Christmas Tree

After the holidays, our residents have two places to drop off their real Christmas trees:

### **Oak Grove Multi-Municipal Compost Facility**

3305 Oak Grove Dr.  
East Stroudsburg, PA 18302  
Monday – Saturday from 7 AM – 2 PM

### **Smithfield Township Municipal Center**

1155 Red Fox Rd  
East Stroudsburg, PA 18301  
Monday – Friday from 8 AM – 4:30 PM  
(From Dec 28 – Feb 28 only)




---


This email was sent to [:|EMAIL|:](#)


[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

\*|LIST:ADDRESSLINE|\*|REWARDS|\*



 1155 Red Fox Road  
East Stroudsburg, PA 18301

 [\(570\) 223-5082](tel:(570)223-5082) Phone  
[\(570\) 223-5086](tel:(570)223-5086) Fax

 Monday - Friday, 8:00AM to  
4:30PM



## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Thursday, January 6, 2022 8:00 AM  
**To:** Melissa Prugar  
**Subject:** January 2022 eNewsletter



## Reorganization Meeting

*Smithfield Township Board of Supervisors*

Board of Supervisors Organization as of January 3, 2022:



Chair of the Board of Supervisors: Jacob Pride

Vice-Chair of the Board of Supervisors: Robert Lovenheim

Secretary: Brian Barrett

Moving forward this year, the Board of Supervisors will hold two regular business meetings per month: one on the second Wednesday at 4 PM and the other on the fourth Wednesday at 7 PM with the exception of January.

Regular Meeting dates and times are as follows:

January 11, 2022: 4 PM

February 9, 2022: 4 PM

February 23, 2022: 7 PM

March 9, 2022: 4 PM

March 23, 2022: 7 PM

April 13, 2022: 4 PM

April 27, 2022: 7 PM

May 11, 2022: 4 PM

May 25, 2022: 7 PM

June 8, 2022: 4 PM

June 22, 2022: 7 PM

July 13, 2022: 4 PM

July 27, 2022: 7 PM

August 10, 2022: 4 PM

August 24, 2022: 7 PM

September 14, 2022: 4 PM

September 28, 2022: 7 PM

October 12, 2022: 4 PM

October 26, 2022: 7 PM

November 9, 2022: 4 PM

November 23, 2022: 7 PM

December 14, 2022: 4 PM

December 28, 2022: 7 PM

Agendas will be available [here](#) up to 24 hours before each meeting.

---



## Smithfield Township Special Event Permit

As we look to planning our new year, many organizations may be preparing to get their fundraisers and events back on track. If you are planning to have an event in Smithfield Township, remember to get a special event permit. This permit is issued to temporary events such as a carnival, fireworks display, parade march, or any other activity the supervisors may deem similar in character that does not exceed ten consecutive days. Any questions pertaining to your event and its need for a permit, please contact the [Smithfield Township Municipal Center](#). Applications can be made 30 days prior to the event. Permits do have a fee but non-profit organizations may request a waiver from the cost. **More information about the permit process can be found [here](#).**

[Application](#)



# LIHWAP may be able to assist you with overdue water and wastewater bills.

## What is LIHWAP?

The Low Income Household Water Assistance Program (LIHWAP) is a temporary emergency program to help low-income families pay overdue water bills. LIHWAP is a grant. You do not have to repay it.

## To receive help...

- Apply starting January 4, 2022.
- You don't have to be on public assistance.
- You need to have an unpaid water bill.
- You can either rent or own your home.

## How does LIHWAP work?

LIHWAP Crisis grants may be available if you have an emergency situation and are in jeopardy of losing your water service. You can receive one Crisis grant for your drinking water service and one Crisis grant for your wastewater service, up to \$2,500 each.

## Crisis situations include:

- Past-due water bills.
- Termination of utility service.
- Danger of having utility service terminated (received a notice that service will be shut off within the next 60 days).

## How do I apply?

- Apply online at [www.compass.state.pa.us](http://www.compass.state.pa.us).
- Request an application by calling the Statewide Customer Service Center at 877-395-8930 or call PA Relay at 711 for the hearing impaired.
- Applications are available at your local county assistance office.

## To apply, you will need:

- Names of people in your household;
- Dates of birth for all household members;
- Social Security numbers for all household members;
- Proof of income for all household members; and
- A recent water bill.

## Who is eligible?

You may qualify for a LIHWAP grant if:

- You must have an overdue water bill that you are responsible for paying.
- Your household income meets the following income guidelines:

### INCOME GUIDELINES

Household Size	Maximum Annual Income
1	\$ 19,320
2	\$ 26,130
3	\$ 32,940
4	\$ 39,750
5	\$ 46,560
6	\$ 53,370
7	\$ 60,180
8	\$ 66,990
9	\$ 73,800
10	\$ 80,610

Each Additional Person  
Add \$ 6,810

After your application is processed, you will receive a written notice that will tell you if you qualify. If eligible, it will tell you the amount of your grant.

HSWA 104 12/21

All customers that qualify for this program will need to contact the Sewer Authority Office and request an account statement. Please, DO NOT send your invoice. Please contact Terri by email at [ssauthority@smithfieldtownship.com](mailto:ssauthority@smithfieldtownship.com), or leave a message at 570-223-5082, option #4 stating that you are requesting an account statement for the LIHWAP program. Please allow 48 hours for processing. Thank you.



## 9 Things Plow Drivers Wish You Knew

Driving in hail, freezing rain, and snow can be stressful. We get it and we all avoid it when we can. For when you have to be on the road, we've compiled some tips and tricks from our plow drivers that might just make your winter season easier (or at least less stressful).

1. **Stay behind the plow.** Yes, they might go a bit slower than you're used to, but consider this: the road is clearer (and treated) behind the plow.
2. **Leave double the space.** Plow trucks are heavy; some can reach 36 tons. Even with great tires and traction, they have a longer braking period than regular cars. Add ice to the roads, and braking distance

increases for everyone. Additionally, spreaders throw material onto the road. Getting too close puts your car in range of flying salt and antiskid.

3. **Wait while we open intersections.** You've all seen it, a plow going back and forth across the road while they open intersections to make turning easier. Let us open the intersections so we can keep plowing elsewhere.
4. **Plows aren't always allowed to plow roads.** Confusing, yes, but consider this: PennDOT is responsible for state roads, individual municipalities plow township roads, and contractors clear businesses, driveways, and private roads. Drivers are paid to clear certain areas, and that doesn't always include the route they take to reach their destination.
5. **Always try to clear the road.** If you are parked on the road with your car, the plow trucks can't get through. Do what you can to clear the roadway.
6. **We don't plow in your driveway on purpose.** Angling the plow away from driveways pushes snow into the road, which defeats the purpose of plowing. There will always be a trail of snow at the edge of your driveway. Yes, drivers plow in their own driveways too.
7. **Avoid pushing snow from your driveway into the road.** Snow shoveled or plowed onto any roadway can increase the potential for crashes. Shovel or plow snow to the right side of your driveway as you face the intersecting roadway- by piling the snow away from the oncoming direction of the snow plows, the snow will not be pushed back onto the driveway. Refer to the diagram below for a visual!
8. **No, we aren't targeting your mailbox.** Mailboxes are built right next to the road for ease of access for mail carriers. This also means they are in the direct path of flying snow, and dangerously close to the plow. If your mailbox has been knocked over, consider moving it back from the road a little.

9. **Anything you do to slow a plow truck down means it takes us longer to clear the roads**, which means a more dangerous commute for everyone. Drive smart, take your time, and get home safe!
- 



## **YE OLDE SKIER**

*By Robert Lovenheim*

My boots clump over the wooden bridge to a local ski mountain. Around me, skiers of all sizes rush to get in line for tickets, or claim lockers, or simply deposit their ski bags on an empty table in the lodge.

Another season is beginning.

I've been a ski instructor for several years, but I've lost count of when I started. The teaching staff is mainly high school kids from the area, "internationals"—college students coming from South America where it is summer, and die-hard old guys who keep at it, such as myself. Each November at the yearly orientation, we welcome each other back, all glad we'll have some company again this year.



Come the first cold weekend in December, we put on our boots in the fishbowl – management’s name for the instructor’s room – and trudge out to the ski school area to face another group of students.

Most ski areas have a learn-to-ski package deal that is great if you are a beginner. The package includes skis, boots, poles, helmet, lift ticket, and one lesson. Many of our students are just out for a day of fun, others are intent on really learning to ski, or ski better. I don’t know if there is an official motto for the ski school but it should be, “Be Safe and Have a Good Time.”

We, the instructors, are the “Be Safe” part. If we can teach you the proper stance, how to glide, stop, turn, and use a chairlift, we know you’ll understand how to ski in control and have fun. Many visitors local don’t take lessons. They jump on the beginners’ slope chairlift, ride to the top, and - especially if they are snowboarders - usually fall in a heap at the top. Rarely does anyone get hurt, but lessons are good insurance so you know how to avoid these situations.

The most rewarding part of teaching, for me at least, is when you get a group that really clicks and everyone manages to do well in the basic drills. Then we go farther uphill, try some follow the leader turns, and build a little speed as we glide down to the end of the instruction area. Suddenly all the endless practice plays out in the pleasure of making effortless turns, gliding, building speed, and feeling like part of a group. When you ski this year, keep an eye out for me - one of the old guys in a yellow jacket who still gets excited when someone learns to ski.

---



## FREE Recycling Bins

The township has an abundance of blue recycling bins that stand about 2 feet tall. Anyone interested in receiving one can contact the [Municipal Center](#).

These bins are not limited to Smithfield Township residents!

---



## Recycle Your Real Christmas Tree

After the holidays, our residents have two places to drop off their real Christmas trees:

**Oak Grove Multi-Municipal Compost Facility**

3305 Oak Grove Dr.

East Stroudsburg, PA 18302

Monday – Saturday from 7 AM – 2 PM

**Smithfield Township Municipal Center**

1155 Red Fox Rd

East Stroudsburg, PA 18301

Monday – Friday from 8 AM – 4:30 PM

(From Dec 28 – Feb 28 only)



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





## Free At-Home COVID-19 Tests

Through the USPS, residential households can order one free set of 4 at-home COVID-19 tests.

- Limit of one order per residential address

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

[Order Here](#)

If you are experiencing any problems, please refer to the PA Homepage news article, "[Can't get free COVID tests from USPS? Here's what you might be doing wrong.](#)"





# Based COVID Testing Sites

**Hours for both testing sites**

Tuesday - Friday.  
9am - 6pm

Saturday.  
7:30am - 2pm

**Site 1**

**Where?**  
Pocono Township  
Municipal Building  
112 Township Dr,  
Tannersville, PA 18372

**When?**  
February 1st - 5th

**Site 2**

**Where?**  
Monroe County Public  
Safety Center  
100 Gypsum Rd,  
Stroudsburg, PA 18360

**When?**  
February 8th - 12th





## Environmentally Friendly Snow Removal Methods

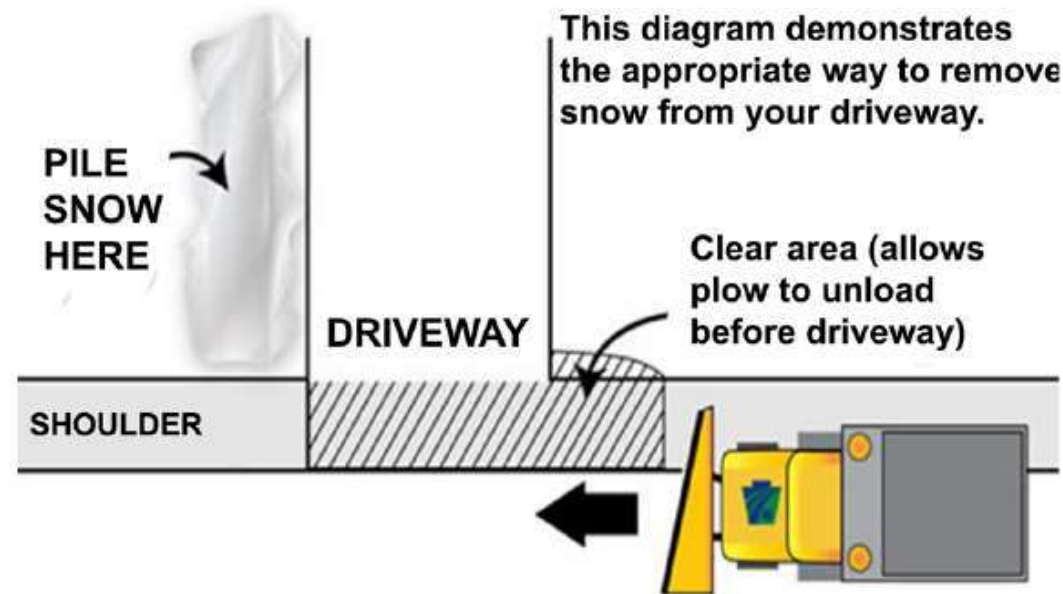
*Easier on you, your property, and your wildlife*

When the snow starts to melt, it creates runoff that flows over land such as paved streets, parking lots, building rooftops, and alongside your driveway and property line parallel to roads. Stagnant runoff turns into ice. Usually, to combat this, we are prone to using salt. However, salt erodes the various surfaces it comes in contact with and, in abundance, can harm local wildlife including plants. To make this season a little easier on yourself, your driveway, and your local environments, please take into consideration the following tips:

- Use salt and deicers when absolutely needed. Reminder: salt is not effective below 15 degrees Fahrenheit. Sand, gravel, or kitty litter will give you traction when it's too cold for salt. Shovel walkways and your driveway immediately after a snowstorm for a better chance of preventing ice.
- When piling your snow after shoveling and plowing, choose locations where the snow will have the most opportunity to seep into the ground instead of becoming stormwater runoff. Choose relatively flat areas that are away from sensitive areas like streams, ponds, and your private well if you have one.

can slow and stop erosion, like native grasses and meadow plants or native trees and shrubs. Planting salt-tolerant species along your driveway or property along the road can create a protective buffer for local waterways.

- Make sure the storm drains closest to your property are clear of snow and other debris. Do not shovel snow into storm drains since they empty directly into local creeks.



#### SNOW PLOW TIP:

To avoid creating hazards for other vehicles, do not push snow from your driveway into the road. Instead, pile snow on the right side of your driveway to ensure the snow will not be re-plowed back onto your driveway. Image provided by PENNDOT, more information can be found [here](#) at their website.

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

## Recycle Your Real Christmas Tree

After the holidays, our residents have two places to drop off their real Christmas trees:

### **Oak Grove Multi-Municipal Compost Facility**

3305 Oak Grove Dr.

East Stroudsburg, PA 18302

Monday – Saturday from 7 AM – 2 PM

### **Smithfield Township Municipal Center**

1155 Red Fox Rd

East Stroudsburg, PA 18301

Monday – Friday from 8 AM – 4:30 PM

(Only available through Feb. 28th)





## The Grapefruit Eater

*By Robert Lovenheim*

Last year I did my good deed for the decade. I drove a cousin suffering from dementia from her home in New York City to an assisted care home in western New York State. Months later a box arrived from Florida. Her sister, out of gratitude, had sent me a box of Florida grapefruit. This was not a random thank you, but an offering steeped in family tradition. Our parents had wintered in

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

The older generation's obsession with gift oranges goes back to their pre-depression youth where oranges and grapefruits were exotic fruits in the northeast. Kids actually got an orange in their Christmas stockings as a unique gift. Apart from the holiday, oranges were only accessible to the upper class.

Along with my cousin's gift of grapefruits came a special serrated-edge spoon and a curved knife. The second is to carve the grapefruit section and the former to dig them out. Now I ask you, what other citrus fruit requires a special kit to eat? I was hooked. Beyond the new instruments to master, the taste at breakfast was euphoric.

To feed my new obsession I needed a constant supply of grapefruit. This is easier than it sounds. The Florida grapefruit season runs from January through March, some less accustomed would say longer. During the season, acquiring grapefruits in the Poconos is easy. Every market has the standard ruby red and sometimes offers white.

Before and after the season, grapefruit fanatics must turn to imported fruit. I've found South African and Peruvian ones at local markets. Given the distance it has traveled and the price, it's still pretty good. What is the basis of grapefruit obsession? I think it starts with a parent. Much like deer hunting is passed down from generation to generation, grapefruit eating appears to follow the same pattern. If I had not observed my father eating this bitter fruit at breakfast, would I?

Let's face it, at two for five dollars in the off-season, only those already hooked would allow themselves to indulge. And then there is the ritual aspect of a special knife to carve, and a special spoon to dissect. Now let us consider the nutritional value: two grams of fiber, vitamin C, vitamin A, potassium, thiamine. Outdoing an orange!

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

question?

---

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





### Smithfield Township PA

**Intro**

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** - Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Open now

Rating - 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos



Write a comment...

**Smithfield Township PA**  
February 2

February eNewsletter - <https://mailchimp/bccdae0ed2729/february-enewsletter>  
COVID testing information, environmentally friendly snow tips, offices closed for President's Day and more!



Like Comment Share

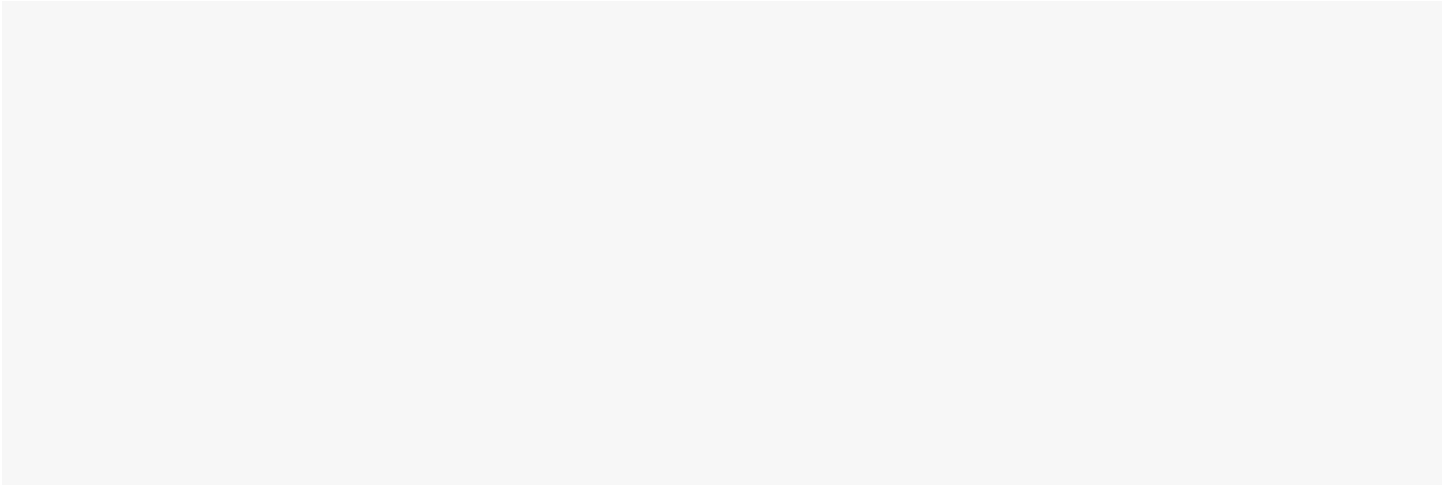
Write a comment...

**Smithfield Township PA**  
February 1

## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Wednesday, February 2, 2022 8:00 AM  
**To:** Melissa Prugar  
**Subject:** February eNewsletter



### Free At-Home COVID-19 Tests

Through the USPS, residential households can order one free set of 4 at-home COVID-19 tests.

- Limit of one order per residential address

- One order includes 4 individual rapid antigen COVID-19 tests
- Orders will ship free starting in late January

[Order Here](#)

If you are experiencing any problems, please refer to the PA Homepage news article, ["Can't get free COVID tests from USPS? Here's what you might be doing wrong."](#)

---

# FREE Community Based COVID Testing Sites



**Hours for both testing sites**



Tuesday - Friday

9am - 6pm

Saturday

7:30am - 2pm

## Site 1

### Where?

Pocono Township  
Municipal Building  
112 Township Dr,  
Tannersville, PA 18372

### When?

February 1st - 5th

## Site 2

### Where?

Monroe County Public  
Safety Center  
100 Gypsum Rd,  
Stroudsburg, PA 18360

### When?

February 8th - 12th



## **Environmentally Friendly Snow Removal Methods**

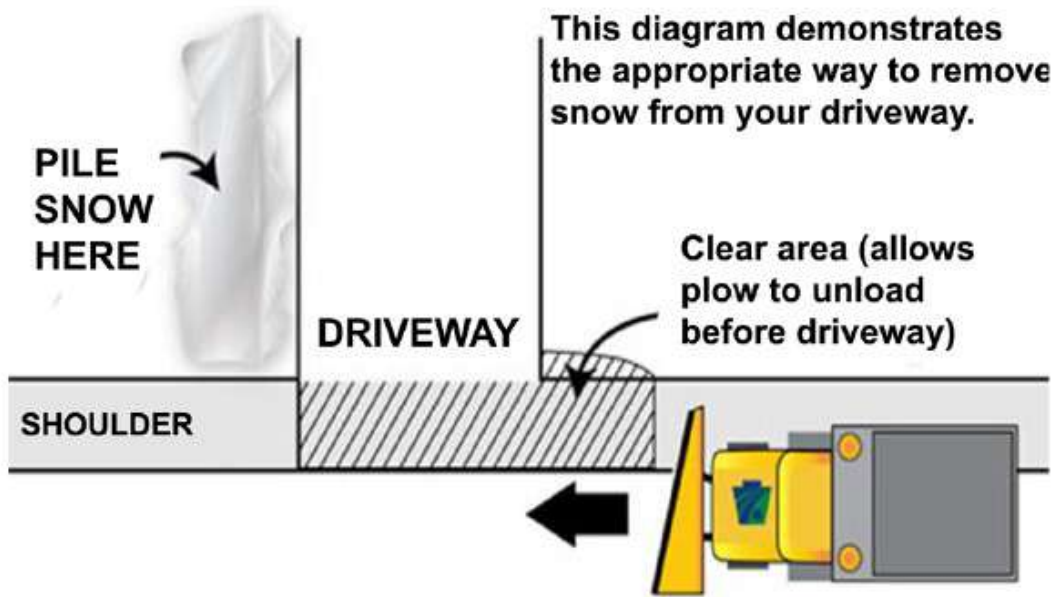
*Easier on you, your property, and your wildlife*

When the snow starts to melt, it creates runoff that flows over land such as paved streets, parking lots, building rooftops, and alongside your driveway and property line parallel to roads. Stagnant runoff turns into ice. Usually, to combat this, we are prone to using salt. However, salt erodes the various surfaces it comes in contact with and, in abundance, can harm local wildlife including plants. To make this season a little easier on yourself, your driveway, and your local environments, please take into consideration the following tips:

- Use salt and deicers when absolutely needed. Reminder: salt is not effective below 15 degrees Fahrenheit. Sand, gravel, or kitty litter will give you traction when it's too cold for salt. Shovel walkways and your driveway immediately after a snowstorm for a better chance of preventing ice.
- When piling your snow after shoveling and plowing, choose locations where the snow will have the most opportunity to seep into the ground instead of becoming stormwater runoff. Choose relatively flat areas that

are away from sensitive areas like streams, ponds, and your private well if you have one.

- Pay special attention to places near your home that are eroding during snow melt. Make a plan to improve these areas in spring using plants that can slow and stop erosion, like native grasses and meadow plants or native trees and shrubs. Planting salt-tolerant species along your driveway or property along the road can create a protective buffer for local waterways.
- Make sure the storm drains closest to your property are clear of snow and other debris. Do not shovel snow into storm drains since they empty directly into local creeks.



**SNOW PLOW TIP:**

To avoid creating hazards for other vehicles, do not push snow from your driveway into the road. Instead, pile snow on the right side of your driveway to ensure the



snow will not be re-plowed back onto your driveway. Image provided by PENNDOT, more information can be found [here](#) at their website.



## Recycle Your Real Christmas Tree

After the holidays, our residents have two places to drop off their real Christmas trees:

### **Oak Grove Multi-Municipal Compost Facility**

3305 Oak Grove Dr.

East Stroudsburg, PA 18302

Monday – Saturday from 7 AM – 2 PM

### **Smithfield Township Municipal Center**

1155 Red Fox Rd

East Stroudsburg, PA 18301

Monday – Friday from 8 AM – 4:30 PM

(Only available through Feb. 28th)



## **The Grapefruit Eater**

*By Robert Lovenheim*

Last year I did my good deed for the decade. I drove a cousin suffering from dementia from her home in New York City to an assisted care home in western New York State. Months later a box arrived from Florida. Her sister, out of gratitude, had sent me a box of Florida grapefruit. This was not a random thank you, but an offering steeped in family tradition. Our parents had wintered in

Florida for many years and always sent the kids gift boxes of Florida grapefruits, oranges, and a special orange called a “honeybell.”

The older generation’s obsession with gift oranges goes back to their pre-depression youth where oranges and grapefruits were exotic fruits in the northeast. Kids actually got an orange in their Christmas stockings as a unique gift. Apart from the holiday, oranges were only accessible to the upper class.

Along with my cousin’s gift of grapefruits came a special serrated-edge spoon and a curved knife. The second is to carve the grapefruit section and the former to dig them out. Now I ask you, what other citrus fruit requires a special kit to eat? I was hooked. Beyond the new instruments to master, the taste at breakfast was euphoric.

To feed my new obsession I needed a constant supply of grapefruit. This is easier than it sounds. The Florida grapefruit season runs from January through March, some less accustomed would say longer. During the season, acquiring grapefruits in the Poconos is easy. Every market has the standard ruby red and sometimes offers white.

Before and after the season, grapefruit fanatics must turn to imported fruit. I’ve found South African and Peruvian ones at local markets. Given the distance it has traveled and the price, it’s still pretty good. What is the basis of grapefruit obsession? I think it starts with a parent. Much like deer hunting is passed down from generation to generation, grapefruit eating appears to follow the same pattern. If I had not observed my father eating this bitter fruit at breakfast, would I?

Let’s face it, at two for five dollars in the off-season, only those already hooked would allow themselves to indulge. And then there is the ritual aspect of a special knife to carve, and a special spoon to dissect. Now let us consider the

nutritional value: two grams of fiber, vitamin C, vitamin A, potassium, thiamine.  
Outdoing an orange!

As I dig in with my special spoon every morning, one nagging question breaks my pleasure: am I becoming my father? Do all grapefruit eaters ask this question?



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





## Your Next Project

*And the permit process*

Warm weather breathes life into new projects. Let us ensure your plans are on the right track and fully secure under township ordinances.

If you are planning to do the following work:

- Erect a structure
- Alter a structure
- Repair a structure

- Commercially clear, excavate or grade land for purposes of making permanent structural improvements to a property

Refer to this [checklist](#) and contact our Zoning Officer, Ken Wolfe, at Smithfield Township Municipal Center by calling (570) 223-5082.

## Application



## Community Garden Plots Available

The Community Garden is a free and excellent opportunity to exercise your “green thumb” while meeting members of the Smithfield community! Located at Smithfield Township's Waterfront Park on Twin Falls Road in East Stroudsburg, plots are assigned on a first-come, first-served basis.

## Application





## 3G Phase Out

### *Plan ahead for new cellular services*

As mobile carriers seek to upgrade their networks to use the latest technology, to free up space and support new services they have to shut down older services. Because of this, many older cell phones will be unable to make or receive calls and texts; this includes calling 911 or using data services. 3G mobile phones and certain older 4G mobile phones will be affected as they do not support Voice over LTE (or VoLTE or HD Voice).

Verizon and T-Mobile will complete the phase out by the end of December 2022. However, AT&T has announced that they will finish by February 2022. This transition does not only impact phones but also:

- Medical devices
- Tablets
- Smartwatches

Contact your mobile provider or consult your provider's website for more information about their 3G retirement plan and whether your phone or another connected device may be affected. It is important to plan now so you don't lose connectivity, especially the ability to call 911.

### More Information



## Fix My Road

*By Robert Lovenheim*

At any gathering of public officials in the Northeast, you can bet the most voiced complaint of residents is their roads. "When are you going to fix the roads?" is not only the number one question asked but number two, three, and four as well.

As we swing into March, we enter pothole season. Potholes are caused by

road in America was paved in Newark, NJ, the preferred paving material has been asphalt. This is a mixture of crushed stones and tar that stick together when rolled out by a road crew. Asphalt is calculated to last 20 years, but I doubt it lasts that long in Pennsylvania's weather conditions.

President Joe Biden established 2030 as the year we will see half of American vehicles be an electric vehicle (EV). EVs are a lovely concept, but what about the roads they will tread? Does anyone give a thought to modernizing the surface that these super sophisticated vehicles will traverse? Any replacement must have a surface hard enough that heavy trucks won't destroy it and pervious enough that water can seep through it rather than collect in cracks. Outside of the U.S., there is a lot of research on the topic: solar roads - roads made of solar panels that would generate electricity, plastic roads - made of old shopping bags, and waste roads - made from the trash we bury in landfills.

All of these solutions are expensive but so are diners. Diners? With EV cars and charging stations, someone better figure out what American drivers are going to do for the hour their car is charging. Building diners next to chargers is my solution! While we eat hot turkey sandwiches on a cold day in March, we can watch potholes blooming on the highway while those high-priced Teslas bump along at bicycle speeds.

In the meantime, we will stick with cold patching and repaving roads with asphalt. If you notice any potholes blooming on a township road, please contact our Roadmaster at 570-223-5082 ext. 8.



# BOARD OF SUPERVISORS REGULAR MEETINGS



March  
**9**

**March 9<sup>th</sup>**  
**Regular Meeting at 4 PM**

Wednesday  
**23**

**Wednesday, March 23<sup>rd</sup>**  
**Regular Meeting at 7 PM**

April  
**13**

**Wednesday, April 13<sup>th</sup>**  
**Regular Meeting at 4 PM**

**CLICK HERE FOR MORE DETAILS**

If you would like the meeting agendas sent directly to you, email Lois at [lois@smithfieldtownship.com](mailto:lois@smithfieldtownship.com).

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

---

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



**Smithfield Township PA**

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Open now

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos

**Smithfield Township PA** March 2 ·

March 2022 eNewsletter - <https://mailchi.mp/2d4a060b67ec/march-2022-enewsletter>  
Community garden application, the permit process for your next home improvement, and more!

1 Like · Comment · Share

Write a comment...

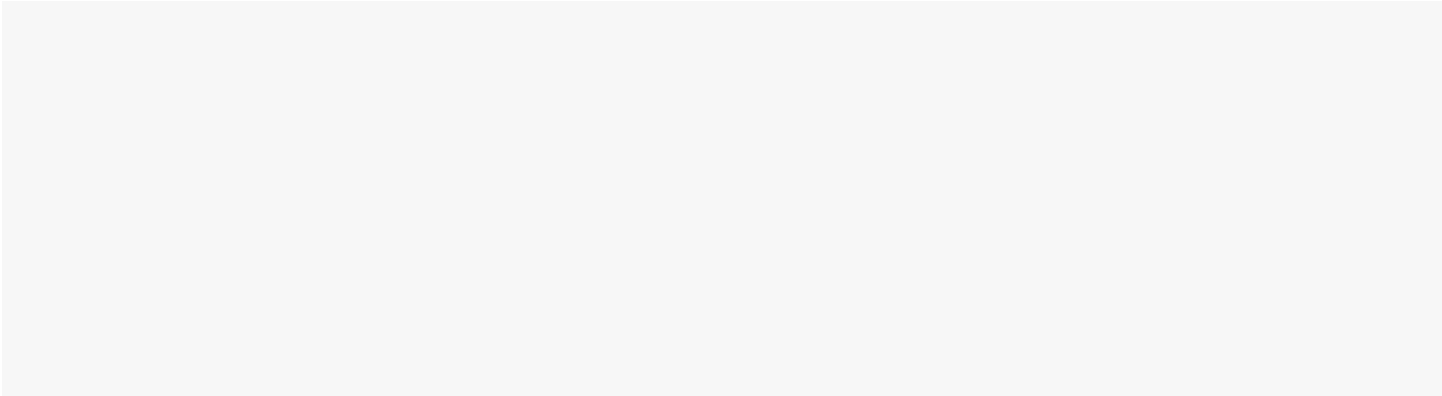
**Smithfield Township PA** February 25 ·



## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Wednesday, March 2, 2022 8:00 AM  
**To:** Melissa Prugar  
**Subject:** March 2022 eNewsletter



## Your Next Project

*And the permit process*

Warm weather breathes life into new projects. Let us ensure your plans are on the right track and fully secure under township ordinances.

If you are planning to do the following work:

- Erect a structure
- Alter a structure
- Repair a structure

- Make permanent structural improvements to a property
- Move, alter, add to or enlarge any existing land use or building
- Commercially clear, excavate or grade land for purposes of making permanent structural improvements to a property

Refer to this [checklist](#) and contact our Zoning Officer, Ken Wolfe, at Smithfield Township Municipal Center by calling (570) 223-5082.

**Application**



## Community Garden Plots Available

The Community Garden is a free and excellent opportunity to exercise your “green thumb” while meeting members of the Smithfield community! Located at Smithfield Township's Waterfront Park on Twin Falls Road in East Stroudsburg, plots are assigned on a first-come, first-served basis.

**Application**





## 3G Phase Out

### *Plan ahead for new cellular services*

As mobile carriers seek to upgrade their networks to use the latest technology, to free up space and support new services they have to shut down older services. Because of this, many older cell phones will be unable to make or receive calls and texts; this includes calling 911 or using data services. 3G mobile phones and certain older 4G mobile phones will be affected as they do not support Voice over LTE (or VoLTE or HD Voice).

Verizon and T-Mobile will complete the phase out by the end of December 2022. However, AT&T has announced that they will finish by February 2022. This transition does not only impact phones but also:

- Medical devices
- Tablets
- Smartwatches
- Vehicle SOS services
- Home security systems

Contact your mobile provider or consult your provider's website for more information about their 3G retirement plan and whether your phone or another

connected device may be affected. It is important to plan now so you don't lose connectivity, especially the ability to call 911.

[More Information](#)



## Fix My Road

*By Robert Lovenheim*

At any gathering of public officials in the Northeast, you can bet the most voiced complaint of residents is their roads. “When are you going to fix the roads?” is not only the number one question asked but number two, three, and four as well.

As we swing into March, we enter pothole season. Potholes are caused by water collecting in cracks; it expands when frozen, starting a process that pushes up chunks of asphalt and makes potholes. Since 1870, when the first road in America was paved in Newark, NJ, the preferred paving material has been asphalt. This is a mixture of crushed stones and tar that stick together when rolled out by a road crew. Asphalt is calculated to last 20 years, but I doubt it lasts that long in Pennsylvania’s weather conditions.

President Joe Biden established 2030 as the year we will see half of American

vehicles be an electric vehicle (EV). EVs are a lovely concept, but what about the roads they will tread? Does anyone give a thought to modernizing the surface that these super sophisticated vehicles will traverse? Any replacement must have a surface hard enough that heavy trucks won't destroy it and pervious enough that water can seep through it rather than collect in cracks. Outside of the U.S., there is a lot of research on the topic: solar roads - roads made of solar panels that would generate electricity, plastic roads - made of old shopping bags, and waste roads - made from the trash we bury in landfills.

All of these solutions are expensive but so are diners. Diners? With EV cars and charging stations, someone better figure out what American drivers are going to do for the hour their car is charging. Building diners next to chargers is my solution! While we eat hot turkey sandwiches on a cold day in March, we can watch potholes blooming on the highway while those high-priced Teslas bump along at bicycle speeds.

In the meantime, we will stick with cold patching and repaving roads with asphalt. If you notice any potholes blooming on a township road, please contact our Roadmaster at 570-223-5082 ext. 8.



# UPCOMING BOARD OF SUPERVISORS REGULAR MEETINGS



March  
**9**

**March 9<sup>th</sup>**  
Regular Meeting at 4 PM

Wednesday  
**23**

**Wednesday, March 23<sup>rd</sup>**  
Regular Meeting at 7 PM

April  
**13**

**Wednesday, April 13<sup>th</sup>**  
Regular Meeting at 4 PM

**CLICK HERE FOR MORE DETAILS**

If you would like the meeting agendas sent directly to you, email Lois at  
[lois@smithfieldtownship.com](mailto:lois@smithfieldtownship.com).





---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)  
[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA





## Prevent Wrongful Discharge to Storm Drains

Any substance discharged onto an impervious surface will almost always end up in the stormwater system, and ultimately our drinking water supply source.

Although some pollutant sources may seem trivial (like pet waste, decomposing grass clippings, and the over-use of fertilizer), the effects are significantly greater when multiplied by the entire township.

discharges. Help keep our drinking water clean!

### ILLCIT DISCHARGE DETECTION & ELIMINATION PLAN



One common discharge into storm drains is pet waste. Smithfield Township has approximately 3,734 households, about forty percent of which own a dog. The average dog poops twice a day, and each set of droppings contains about 3 billion fecal coliform bacteria. That works out to 8.9 trillion fecal coliform bacteria per day that could end up in a storm drain - and our local streams - if not picked up. Always bag your pet's waste and throw it in the trash; *it's just the right thing to do!*



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

Monroe County Municipal Waste Management Authority  
183 Commercial Blvd. Blakeslee, PA 18610  
(570) 643-6100

# HHW EVENT

Household Hazardous Waste

WEDNESDAY

JULY 13

## WE ACCEPT:

Gasoline, Anti-Freeze, Motor Oil, Oil Based Paint, Insecticides,  
Pool Chemicals, Fire Extinguishers, and more!

## UPCOMING DATES:

August 10, September 21, October 19, November 16

## DROP-OFF LOCATION:

Military Road Recycling Site  
1114 Military Road  
Stroudsburg, PA 18360

FOR  
MONROE  
COUNTY  
RESIDENTS  
ONLY!

## REGISTRATION & ADDITIONAL INFO.

You MUST register and pay before arriving!  
Only items paid for will be accepted!

Click the button below or head over to our website!

The Monroe County Waste Authority is holding a series of household hazardous waste collection events over the summer. The first will be held on July 13th. To learn more about accepted items and how to register, click below!

[HHW COLLECTION INFORMATION](#)



**DANSBURY POOL  
PASS DISCOUNT**

**DISCOUNTED RATES**

<i>Age/Group</i>	<i>Half Day</i>	<i>Full Day</i>	<i>Season Pass</i>
<b>2 thru 17</b>	<b>\$3</b>	<b>\$6</b>	<b>\$65</b>
<b>18 thru 54</b>	<b>\$4</b>	<b>\$7</b>	<b>\$90</b>
<b>55 &amp; up</b>	<b>\$3</b>	<b>\$5</b>	<b>\$60</b>
<b>Family</b>	<b>\$10</b>	<b>\$20</b>	<b>\$145</b>
<b>Addl. Child</b>	<b>\$1</b>	<b>\$2</b>	<b>\$10</b>

**Stop by the Municipal Center to fill out your discount form!**

\*Family Rates are for 2 adults & 2 children (under 18) who live together. Additional children may be added per the above rate.

Dansbury Pool is open for the season! Residents of Smithfield Township are entitled to discounted rates for half day, full day, and season passes. To claim your discount, stop by the Municipal Center between 8:00 a.m. and 4:30 p.m. to fill out the discount voucher form. Valid voucher forms are approved on the spot, allowing you to take your copy to Dansbury Pool to purchase half day/full day passes or the Day Street Community Center to purchase season passes.

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

### **Dansbury Pool**

15 Day St, East Stroudsburg, PA 18301

Open through August 21, subject to Stroud Regional Open Space & Recreation Commission discretion.

### **Day Street Community Center**

*(located next to the basketball and tennis courts at Dansbury Park)*



## **Upcoming Township Meetings**

Our schedule has changed! Starting this month and until the end of the year, the Board of Supervisors will meet on the second and fourth Wednesdays of the month at 6 p.m. All meetings occur at the Municipal Center.

June Board of Supervisors meetings:  
Wednesday, June 22nd at 6 p.m.



[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

Wednesday, July 13th at 6 p.m.

Wednesday, July 27th at 6 p.m.

The Planning Commission meets on the second Thursday of the month at 7 p.m. All meetings occur at the Municipal Center,

July Planning Commission meeting:

Thursday, July 14th at 7 p.m.

### Township Meeting Calendar



[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

# Offices Closed in Observance of



# JUNETEENTH

# JUNE 20, 2022

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



### Smithfield Township PA

#### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Rating - 1.0 (5 Reviews)

Suggest Edits

#### Photos

See all photos



2

Like Comment Share

Write a comment... Most relevant

Most Relevant is selected, so some comments may have been filtered out.

Smithfield Township PA June 16 · 🌐

June 2022 eNewsletter - <http://eepurl.com/h11W7z>



Like Comment Share

Write a comment...

Smithfield Township PA May 30 · 🌐

Smithfield Township Municipal Center will be CLOSED today in observance and remembrance of Memorial Day 🇺🇸

1

Like Comment Share

Write a comment...

## Melissa Hutchison

---

**From:** Smithfield Township Municipal Center <smithfieldtownship@gmail.com>  
**Sent:** Thursday, June 16, 2022 4:03 PM  
**To:** Melissa Hutchison  
**Subject:** June 2022 eNewsletter



### **Prevent Wrongful Discharge to Storm Drains**

Any substance discharged onto an impervious surface will almost always end up in the stormwater system, and ultimately our drinking water supply source.

Although some pollutant sources may seem trivial (like pet waste, decomposing grass clippings, and the over-use of fertilizer), the effects are significantly greater when multiplied by the entire township.

The link below offers information on how to prevent, detect, and report illicit

discharges. Help keep our drinking water clean!

## ILLCIT DISCHARGE DETECTION & ELIMINATION PLAN



One common discharge into storm drains is pet waste. Smithfield Township has approximately 3,734 households, about forty percent of which own a dog. The average dog poops twice a day, and each set of droppings contains about 3 billion fecal coliform bacteria. That works out to 8.9 trillion fecal coliform bacteria per day that could end up in a storm drain - and our local streams - if not picked up. Always bag your pet's waste and throw it in the trash; *it's just the right thing to do!*





Monroe County Municipal Waste Management Authority  
183 Commercial Blvd. Blakeslee, PA 18610  
(570) 643-6100

# HHW EVENT

Household Hazardous Waste

WEDNESDAY  
**JULY 13**

### WE ACCEPT:

Gasoline, Anti-Freeze, Motor Oil, Oil Based Paint, Insecticides,  
Pool Chemicals, Fire Extinguishers, and more!

### UPCOMING DATES:

August 10, September 21, October 19, November 16

### DROP-OFF LOCATION:

Military Road Recycling Site  
1114 Military Road  
Stroudsburg, PA 18360



### REGISTRATION & ADDITIONAL INFO.

You **MUST** register and pay before arriving!  
Only items paid for will be accepted!

Click the button below or head over to our website!

The Monroe County Waste Authority is holding a series of household hazardous waste collection events over the summer. The first will be held on July 13th. To learn more about accepted items and how to register, click below!

[HHW COLLECTION INFORMATION](#)





## DANSBURY POOL PASS DISCOUNT

### DISCOUNTED RATES

<i>Age/Group</i>	<i>Half Day</i>	<i>Full Day</i>	<i>Season Pass</i>
<b>2 thru 17</b>	<b>\$3</b>	<b>\$6</b>	<b>\$65</b>
<b>18 thru 54</b>	<b>\$4</b>	<b>\$7</b>	<b>\$90</b>
<b>55 &amp; up</b>	<b>\$3</b>	<b>\$5</b>	<b>\$60</b>
<b>Family</b>	<b>\$10</b>	<b>\$20</b>	<b>\$145</b>
<b>Addl. Child</b>	<b>\$1</b>	<b>\$2</b>	<b>\$10</b>

**Stop by the Municipal Center to fill  
out your discount form!**

\*Family Rates are for 2 adults & 2 children (under 18) who live together.  
Additional children may be added per the above rate.

Dansbury Pool is open for the season! Residents of Smithfield Township are entitled to discounted rates for half day, full day, and season passes. To claim your discount, stop by the Municipal Center between 8:00 a.m. and 4:30 p.m. to fill out the discount voucher form. Valid voucher forms are approved on the spot, allowing you to take your copy to Dansbury Pool to purchase half day/full day passes or the Day Street Community Center to purchase season passes. For more information about Dansbury Pool, call 570-421-6591. The pool and community center are open from 11:00 a.m. to 7:00 p.m.

#### **Dansbury Pool**

15 Day St, East Stroudsburg, PA 18301

Open through August 21, subject to Stroud Regional Open Space & Recreation Commission discretion.

## Day Street Community Center

*(located next to the basketball and tennis courts at Dansbury Park)*



### Upcoming Township Meetings

Our schedule has changed! Starting this month and until the end of the year, the Board of Supervisors will meet on the second and fourth Wednesdays of the month at 6 p.m. All meetings occur at the Municipal Center.

June Board of Supervisors meetings:

Wednesday, June 22nd at 6 p.m.

July Board of Supervisors meetings:

Wednesday, July 13th at 6 p.m.

Wednesday, July 27th at 6 p.m.

The Planning Commission meets on the second Thursday of the month at 7 p.m. All meetings occur at the Municipal Center,

July Planning Commission meeting:

Thursday, July 14th at 7 p.m.

[Township Meeting Calendar](#)

-----

**Offices Closed in  
Observance of**



**JUNETEENTH**

**JUNE 20, 2022**



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)  
[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



**Smithfield Township PA**

**Intro**

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

Like Comment Share

**Smithfield Township PA**  
July 23, 2021 ·

Sign up for our monthly newsletter! Stay in the know of local township business, events, and more  
<https://bit.ly/2Nt9pm1>



**Photos** See all photos



## Last Recent News

### Recent Posts

<p> July 2022 eNewsletter</p> <p>July 2022 eNewsletter July 1, 2022 Have a Blast, but be Safe! Independence Day... <a href="#">Read More &gt;</a></p>	<p> June 2022 eNewsletter</p> <p>June 2022 eNewsletter July 6, 2022 Prevent Wasteful Discharge to Storm Drains Any substance discharged... <a href="#">Read More &gt;</a></p>	<p> May 2022 eNewsletter</p> <p>May 2022 eNewsletter May 4, 2022 Smithfield Township eNewsletter - Township... <a href="#">Read More &gt;</a></p>	<p> April 2022 eNewsletter</p> <p>April 2022 eNewsletter April 6, 2022 Spring Leaf Pick-up The Township Road &amp; Maintenance... <a href="#">Read More &gt;</a></p>
<p> March 2022 eNewsletter</p> <p>March 2022 eNewsletter March 2, 2022 Your Next Project And the permit process Warm... <a href="#">Read More &gt;</a></p>	<p> February 22 eNewsletter</p> <p>February 22 eNewsletter February 2, 2022 Free At-Home COVID-19 Tests Through the USPS residential... <a href="#">Read More &gt;</a></p>	<p> Public Access for Shawnee Valley PRD Application</p> <p>Public Access for Shawnee Valley PRD Application January 30, 2022 Wednesday, January 19, 2022 The Board of Supervisors is publishing... <a href="#">Read More &gt;</a></p>	<p> January 22 eNewsletter</p> <p>January 22 eNewsletter January 6, 2022 Reorganization Meeting Smithfield Township Board of Supervisors - Board of... <a href="#">Read More &gt;</a></p>
<p> December 21 eNewsletter</p> <p>December 21 eNewsletter December 14, 2021 Marshall's Falls Park Update An endeavor that started in... <a href="#">Read More &gt;</a></p>	<p> November 21 eNewsletter</p> <p>November 21 eNewsletter November 2, 2021 Vote Today! If you are planning to vote... <a href="#">Read More &gt;</a></p>	<p> October 21 eNewsletter</p> <p>October 21 eNewsletter October 1, 2021 Trunk or Treat Smithfield Township Municipal Center! October... <a href="#">Read More &gt;</a></p>	<p> September 21 eNewsletter</p> <p>September 21 eNewsletter September 3, 2021 FREE Statewide Virtual Job Training Program - The State... <a href="#">Read More &gt;</a></p>
<p> August 21 eNewsletter</p> <p>August 21 eNewsletter August 9, 2021 Waterfront Wellness Park: Casebo Construction Waterfront... <a href="#">Read More &gt;</a></p>	<p> July 2021 eNewsletter</p> <p>July 2021 eNewsletter July 1, 2021 Smithfield Township July Calendar Update Smithfield Township Municipal... <a href="#">Read More &gt;</a></p>	<p> June 2021 eNewsletter</p> <p>June 2021 eNewsletter June 8, 2021 NEW Playground at Waterfront Park Just in time for ... <a href="#">Read More &gt;</a></p>	<p> May 2021 eNewsletter</p> <p>May 2021 eNewsletter May 6, 2021 FREE Mulch to Smithfield Residents Freshen up your landscape... <a href="#">Read More &gt;</a></p>

### Smithfield Township PA

**Intro**

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** - Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Rating: 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos



2 1 Share

Like Comment Share

Write a comment...

**Smithfield Township PA** May 17 · 🌐

An average size dog dropping contains 3 billion fecal coliform bacteria which can be harmful to your health. Smithfield Township has approximately 3,734 households with about 40% being home to a dog. Each dog averages about 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. This especially if it is left in areas where it is easily washed into the system such as by gra...  
[See more](#)

**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.



6 3 Shares

Like Comment Share

Write a comment...

**Smithfield Township PA** May 17 · 🌐

### Smithfield Township PA

**Intro**

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos



We are very happy to announce that 611 in Delaware Water Gap is finally open for the holiday weekend!! Be safe and have a great weekend!

10 3 Shares

Like Comment Share

Write a comment...

**Smithfield Township PA** May 23 · 🌐

Raising awareness regarding illicit discharge into storm drains helps the township protect against, detect, and remove harmful pollution flowing into our streams. Find more information here: <https://smithfieldtownship.com/.../illicit-Discharge...>



2

Like Comment Share

Write a comment...

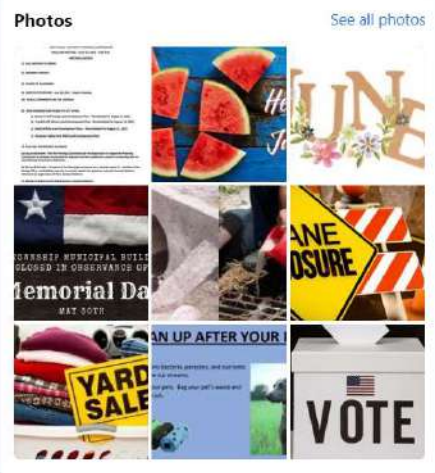
**Smithfield Township PA** May 20 · 🌐

SR209 Northbound lane will be closed Monday, May 23rd to Thursday, May 26th from 9am – 3pm near Dairy Queen.



### Smithfield Township PA

info@smithfieldtownship.com  
smithfieldtownship.com  
Opening Soon  
Rating - 1.0 (5 Reviews)



**Smithfield Township PA**  
August 19, 2021

**Knotweed: An Invasive Plant to PA**  
Japanese and Giant Knotweed, both native to Japan, are invasive to PA. They mature quickly and spread rapidly, choking native plants. First, Knotweed sprouts in late March to mid-April. It is a bamboo-like plant that can grow up to 12 feet featuring large, heart-shaped leaves. Flowering occurs in late July and seeds mature in August and September. The plant propagates mainly through its roots and secondarily through seeds. Knotweed is common... [See more](#)

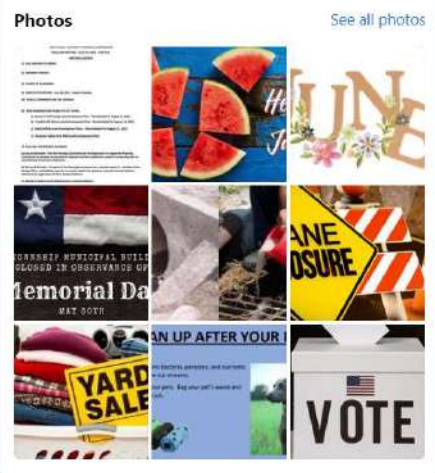




**Smithfield Township PA**

info@smithfieldtownship.com  
smithfieldtownship.com  
Opening Soon  
Rating - 1.0 (5 Reviews)

**Photos** See all photos



Rachel Wyc replied · 1 Reply

**Smithfield Township PA**  
March 6



Pennsylvania Department of Conservation and Natural Resources  
March 7

About half of Pennsylvania residents get drinking water directly from groundwater. In recognition of Groundwater Awareness Week, here's a few tips to help prote... See more

### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com


Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

### Photos

See all photos



Smithfield Township PA  
December 29, 2021

### Recycle Your Real Christmas Tree

After the holidays, our residents have two options of where to drop off their real Christmas trees:  
Oak Grove Multi-Municipal Compost Facility  
3305 Oak Grove Dr... See more



Like Comment Share



### Smithfield Township PA

**Intro**  
Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com


smithfieldtownship.com

Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos



Write a comment...

**Smithfield Township PA**  
November 29, 2021

**Successful Recycling in Retail Operations**  
Packaging materials make up a large portion of any retail store's waste. Because much of this waste is generated outside the retail establishment, reduction efforts must be made in cooperation with vendors. If vendors ship products in unnecessary or non-recyclable packaging, consider asking them to reduce packaging or switch to materials that can be recycled or reused. Helpful tips for bolstering recycling... See more



Smithfield Township PA

**Intro**

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com


smithfieldtownship.com

Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos



Smithfield Township PA July 15, 2021

### PROTECT OUR WATERSHED

#### SUMMER TIPS

<b>MEASURE</b>  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.	<b>REUSE</b>  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.
<b>CARE</b>  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.	<b>CONSERVE</b>  Watch your watering! Lawns only need about 1" of rain per week. Over-watering can result in runoff, which can carry fertilizers and herbicides along with it. Avoid watering during mid-day.
<b>CLEANUP</b>  Get involved in a local street or neighborhood cleanup.	<b>WASH</b>  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 dirty water doesn't wash into storm drains.

1 Like Comment Share

Minimum Control Measure #2  
Public Involvement/Participation

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

Smithfield Township  
1632168  
June 30, 2022

1. Smithfield Township shall discuss Municipal Stormwater during one (1) public meeting each year during the 5-year permit period.

The Township Planning Commission meets on the 2<sup>nd</sup> Thursday of the month and the Board of Supervisors meets on the 2<sup>nd</sup> and 4<sup>th</sup> Tuesdays 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.

2. Smithfield Township will continue its affiliation with the Brodhead Watershed Association.
3. Smithfield Township will illicit public participation throughout the year via social media, the Township website and newsletter, pamphlets and flyers placed in the Municipal Building lobby, and text/email alerts. A list of events involving public participation will be provided with each yearly report.
4. Each annual MS-4 Report will be provided on the Township website.

**Minimum Control Measure #2**

Public Involvement and Participation

Smithfield Township

1632168

June 30, 2022

<b>Document</b>	<b>Website</b>	<b>Newsletter</b>	<b>Facebook</b>	<b>Municipal Building</b>
Electronic Collection Event, September 18, 2021			x	
Pick Up the Poconos, September 25, 2021		x	x	
Monroe County Shredding/Fall Clean Up Day			x	
Leaf Collection, October & November	x	x		
Spring Leaf Pick Up, April 18th to May 6th		x		
Pick Up the Poconos Day, April 23, 2022		x		
Spring Clean Up May 11th to May 15th	x	x		
Household Hazardous Waste Event, July 13, 2022		x		
MS-4 Presentation, June 22, 2022	x			
Annual MS-4 Status Reports, Years 1 and 2	x			



## **FREE Statewide Virtual Job Training Program**

The State Department of Labor and Industry announces a free online job training program, SkillUp® of PA. The program launched statewide in August and encourages job seekers to gain the new skills they need to join the workforce or advance their career.

Online trainings available include:

- Accounting/finance
- Clerical



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

- Information Technology
- Marketing
- Microsoft Office
- Project Management
- Soft skills such as communication, time management, professionalism and more!

Pennsylvanians interested in SkillUp® PA virtual training can find more information at [Pennsylvania Pressroom](#).



## Local Matters: What Are The Roles of Local Offices?

*By Jacob Pride*

By now, most of you know that there is an election just around the bend! In our last edition of [Local Matters](#), we covered how to register to vote and the methods you can use to vote. We also talked about how the offices up for election this year hold a myriad of responsibilities. So, what are those responsibilities?

investigating the deaths of individuals in our County. In addition, the Coroner's office provides planning resources for the family of the deceased, death certificates, and data to prevent similar deaths.

The **Monroe County Treasurer** (4-year term) is responsible for receiving all funds due to the County, including from local Tax Collectors. The office also serves as an agent of the Commonwealth via the issuance of licenses for fishing, antlerless deer, small games of chance, dogs, and other licensure. On a related note, a **Township Tax Collector** collects real property taxes due to the municipality. Typically, they also collect the same for school districts. Other taxes, like the Earned Income Tax or Local Services Tax, are collected by third parties.

A **Township Supervisor** (6-year term) is a member of a board of three to five Supervisors that exercise executive, legislative, and quasi-judicial duties in their Townships. These duties include zoning and land development matters, parks and recreation, declarations of emergency or disaster, and the implementation of state/federal programs delegated to municipalities, among others.

A **Township Auditor** (6-year term) is a member of a board of three Auditors. In some municipalities, the Board performs the annual Township Audit. In Townships like Smithfield, Supervisors opt for a third party to conduct the audit. In those and other municipalities, the Auditors set the compensation for Supervisors employed by the Township.

Now loaded with more information, you may consider visiting these offices or attending their meetings. County and municipal offices are open 8 a.m. to 4:30 p.m. on weekdays. Township meetings are held in-person and via Zoom, with

attending meetings or visiting.

### Resources

Smithfield Township [website](#)

Smithfield Township [YouTube](#)

Monroe County [website](#)



## Fresh Baked Bread

*By Robert Lovenheim*

As long as I've lived in Smithfield, I've always craved one store that seems elusive: a bakery. In my wife's hometown (Barcelona, Spain), there are bakeries on every corner. At breakfast hours they sell bread, rolls, and small sandwiches. In the evening they sell hot loaves that people take home for dinner. Here in Smithfield, we have a lot of bread eaters but no bread bakers.

bread, rolls, and a line out the door of people wanting to take home a still-warm loaf and slather it with butter? A bakery is the kind of local business we need. If you look at the many stands selling fresh bread at the weekly farmer's market in Stroudsburg, people are willing to pay top prices for good, homemade bread.

Try making your own sourdough bread! I've been doing it for at least 20 years. Start by making the sourdough starter. Mix water and flour to the consistency of oozing concrete and set it in a bowl on your counter for three days to a week until it bubbles and foams. Then mix in more flour (about 3-4 cups), and a tablespoon of salt, to make a loaf. Cover the bowl with plastic wrap to keep it from drying out and let it rise for 4-5 hours. Heat the oven to 450°, put the dough on a cookie sheet lined with oven paper, and bake until golden brown. Why are these instructions so vague? Simply because it is hard NOT to come out with something that tastes good.

What you take out of the oven may not look like the greatest professionally made loaf, but I guarantee - when it's just cool enough to break apart and spread with butter - you'll experience a profound moment of joy that bakers have known for thousands of years, or at least back to the time when man invented butter. If you get hooked on making your own bread and want some pointers, let me know at [robert@smithfieldtownship.com](mailto:robert@smithfieldtownship.com)! Bakers brag about their breads like they were their children.





## Fire Insurance Escrow

If you've recently experienced a fire loss on your property, a portion of the insurance claim may temporarily be directed to Smithfield Township. The Township automatically becomes a third party in the insurance claim if the claim equals or exceeds 60% of the total amount the insurer will pay for claims during a specified period (also known as the aggregate limit of liability). When this condition is met, the Township receives \$2,000 for every \$15,000 of the claim, and those funds are deposited into an escrow account.

To retrieve the funds from the Township, the first step is to acquire the proper permits for the repair or demolition of the structure, which can be obtained by submitting a Zoning/Building application to the Township; call our Zoning Officer, Ken Wolfe at (570) 223-5082 ext. 2 for more information. Once the work is complete and the property has been inspected, the property owner can apply to the Township and have the escrowed money released.

This procedure was adopted by ordinance in 2005 to discourage property abandonment after a fire. If a property owner chooses to sell or abandon a property without securing it first, the Township has the authority to use the escrowed funds to secure the property and pursue the property owner to

If you do experience a fire loss, take the proper steps to secure your property and get the escrow funds returned to you. To view the ordinance, [click here](#). If you have questions about the process or need assistance with the Township's process regarding an open fire loss claim, don't hesitate to [contact us](#).



## Marshalls Creek Fire Company

### *28th Annual Fall Classic Golf Tournament*

MCFC will host their annual golf tournament at the Country Club of the Poconos Municipal Golf Course **September 25th**. The Fire Company is committed to your safety and in order to maintain being there during snowstorms, flooding, brushfires, and much more, their volunteers need our community's support. Donations and contributions like yours can help cover costs to safely equip and train our firefighters and EMTs and maintain equipment along with necessary emergency vehicles. There are many ways to get involved, any donation is greatly appreciated!



and beverages while playing and a delicious meal to finish up the day! This is to benefit our community, therefore there will be proper health health regulations in place as well as social distancing.

Advertise your business:

The tournament has 3 different levels of sponsorship:

1. Door Prize Sponsorship- A donation of goods or services that will advertise your business.
2. Tee Sponsorship- Advertise your business on a sign we create to your specifications that will be posted at a tee box at the tournament.  
Donation: \$75
3. Hold Sponsorship- A sign prominently displayed at one of the 18 holes, advertise your business on a sign we create to your specifications.  
Donation: \$200

If you would like to register your team or donate, please contact Marshalls Creek Fire Company Tournament Chairperson: Chris Mathiesen at (570) 242-8344.

---



## Shawnee Fire Company Community Fundraiser

### *Annual Charity Golf Tournament*

Shawnee Fire Company will host a golf tournament fundraiser which aids in providing professional and efficient emergency services to the community. Register you and your team for a day of fun at Shawnee Inn & Golf Resort, **Wednesday, September 29th** at 11am. (Rain Date: Wednesday, October 6). For more information and to register [click here!](#) Register by September 15th. \$90.00 per person includes golf, carts, on course refreshments, and a buffet dinner after golf.

Sponsorships and donations for raffle prizes are being accepted and greatly appreciated! [Click here](#) to donate or become a tee sponsor.

All golfers must follow the Shawnee Inn & Golf Resort COVID policy.





## Pick Up The Poconos

*Volunteers needed for September 25th region-wide cleanup*

The Pocono Mountains Visitors Bureau (PMVB) is seeking volunteers for its next region-wide litter pick-up day on Saturday, September 25, 2021, from 9:30a.m. – 12:30 p.m. (rain or shine). Volunteers can select to clean one location in Carbon, Monroe, Pike, or Wayne County. Anyone interested in helping the cause should sign up on [PickUpThePoconos.com](https://www.pickupthepoconos.com). There you will find resources and tips on how to safely pick up litter. The deadline to register is Monday, September 20, 2021, by 5 p.m.

Thanks to PennDOT and Keep Pennsylvania Beautiful, the PMVB provides “supply kits” containing gloves, trash bags, safety vests and trash grabbers. This event is just one component of the PMVB’s “Pick Up the Poconos” campaign.

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

---

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Thursday, September 2, 2021 8:00 AM  
**To:** Melissa Prugar  
**Subject:** September 2021 eNewsletter



### **FREE Statewide Virtual Job Training Program**

The State Department of Labor and Industry announces a free online job training program, SkillUp® of PA. The program launched statewide in August and encourages job seekers to gain the new skills they need to join the workforce or advance their career.

Online trainings available include:

- Accounting/finance

- Clerical
- Customer Service
- Human Resources
- Information Technology
- Marketing
- Microsoft Office
- Project Management
- Soft skills such as communication, time management, professionalism and more!

Pennsylvanians interested in SkillUp® PA virtual training can find more information at [Pennsylvania Pressroom](#).



## **Local Matters: What Are The Roles of Local Offices?**

*By Jacob Pride*

By now, most of you know that there is an election just around the bend! In our last edition of [Local Matters](#), we covered how to register to vote and the methods you can use to vote. We also talked about how the offices up for election this year hold a myriad of responsibilities. So, what are those responsibilities?



The **Monroe County Coroner** (4-year term) is primarily responsible for investigating the deaths of individuals in our County. In addition, the Coroner's office provides planning resources for the family of the deceased, death certificates, and data to prevent similar deaths.

The **Monroe County Treasurer** (4-year term) is responsible for receiving all funds due to the County, including from local Tax Collectors. The office also serves as an agent of the Commonwealth via the issuance of licenses for fishing, antlerless deer, small games of chance, dogs, and other licensure. On a related note, a **Township Tax Collector** collects real property taxes due to the municipality. Typically, they also collect the same for school districts. Other taxes, like the Earned Income Tax or Local Services Tax, are collected by third parties.

A **Township Supervisor** (6-year term) is a member of a board of three to five Supervisors that exercise executive, legislative, and quasi-judicial duties in their Townships. These duties include zoning and land development matters, parks and recreation, declarations of emergency or disaster, and the implementation of state/federal programs delegated to municipalities, among others.

A **Township Auditor** (6-year term) is a member of a board of three Auditors. In some municipalities, the Board performs the annual Township Audit. In Townships like Smithfield, Supervisors opt for a third party to conduct the audit. In those and other municipalities, the Auditors set the compensation for Supervisors employed by the Township.

Now loaded with more information, you may consider visiting these offices or attending their meetings. County and municipal offices are open 8 a.m. to 4:30 p.m. on weekdays. Township meetings are held in-person and via Zoom, with archives posted on YouTube. Guests are always welcome. You may even consider running for office yourself or joining a commission/committee after

attending meetings or visiting.

## Resources

Smithfield Township [website](#)

Smithfield Township [YouTube](#)

Monroe County [website](#)



## Fresh Baked Bread

*By Robert Lovenheim*

As long as I've lived in Smithfield, I've always craved one store that seems elusive: a bakery. In my wife's hometown (Barcelona, Spain), there are bakeries on every corner. At breakfast hours they sell bread, rolls, and small sandwiches. In the evening they sell hot loaves that people take home for dinner. Here in Smithfield, we have a lot of bread eaters but no bread bakers.

While we do have one store that makes excellent bagels, there is no baguette, loaf of country white, or stone-ground rye. Where is the little bakery with fresh bread, rolls, and a line out the door of people wanting to take home a still-warm

loaf and slather it with butter? A bakery is the kind of local business we need. If you look at the many stands selling fresh bread at the weekly farmer's market in Stroudsburg, people are willing to pay top prices for good, homemade bread.

Try making your own sourdough bread! I've been doing it for at least 20 years. Start by making the sourdough starter. Mix water and flour to the consistency of oozing concrete and set it in a bowl on your counter for three days to a week until it bubbles and foams. Then mix in more flour (about 3-4 cups), and a tablespoon of salt, to make a loaf. Cover the bowl with plastic wrap to keep it from drying out and let it rise for 4-5 hours. Heat the oven to 450°, put the dough on a cookie sheet lined with oven paper, and bake until golden brown. Why are these instructions so vague? Simply because it is hard NOT to come out with something that tastes good.

What you take out of the oven may not look like the greatest professionally made loaf, but I guarantee - when it's just cool enough to break apart and spread with butter - you'll experience a profound moment of joy that bakers have known for thousands of years, or at least back to the time when man invented butter. If you get hooked on making your own bread and want some pointers, let me know at [robert@smithfieldtownship.com](mailto:robert@smithfieldtownship.com)! Bakers brag about their breads like they were their children.





## **Fire Insurance Escrow**

If you've recently experienced a fire loss on your property, a portion of the insurance claim may temporarily be directed to Smithfield Township. The Township automatically becomes a third party in the insurance claim if the claim equals or exceeds 60% of the total amount the insurer will pay for claims during a specified period (also known as the aggregate limit of liability). When this condition is met, the Township receives \$2,000 for every \$15,000 of the claim, and those funds are deposited into an escrow account.

To retrieve the funds from the Township, the first step is to acquire the proper permits for the repair or demolition of the structure, which can be obtained by submitting a Zoning/Building application to the Township; call our Zoning Officer, Ken Wolfe at (570) 223-5082 ext. 2 for more information. Once the work is complete and the property has been inspected, the property owner can apply to the Township and have the escrowed money released.

This procedure was adopted by ordinance in 2005 to discourage property abandonment after a fire. If a property owner chooses to sell or abandon a property without securing it first, the Township has the authority to use the escrowed funds to secure the property and pursue the property owner to recover costs not covered by the escrow.

If you do experience a fire loss, take the proper steps to secure your property and get the escrow funds returned to you. To view the ordinance, [click here](#). If you have questions about the process or need assistance with the Township's process regarding an open fire loss claim, don't hesitate to [contact us](#).



## **Marshalls Creek Fire Company**

*28th Annual Fall Classic Golf Tournament*

MCFC will host their annual golf tournament at the Country Club of the Poconos Municipal Golf Course **September 25th**. The Fire Company is committed to your safety and in order to maintain being there during snowstorms, flooding, brushfires, and much more, their volunteers need our community's support. Donations and contributions like yours can help cover costs to safely equip and train our firefighters and EMTs and maintain equipment along with necessary emergency vehicles. There are many ways to get involved, any donation is greatly appreciated!

Play in the tournament:

Register your team for a fun day of golf. \$85 per person includes carts, snacks,

and beverages while playing and a delicious meal to finish up the day! This is to benefit our community, therefore there will be proper health health regulations in place as well as social distancing.

Advertise your business:

The tournament has 3 different levels of sponsorship:

1. Door Prize Sponsorship- A donation of goods or services that will advertise your business.
2. Tee Sponsorship- Advertise your business on a sign we create to your specifications that will be posted at a tee box at the tournament. Donation: \$75
3. Hold Sponsorship- A sign prominently displayed at one of the 18 holes, advertise your business on a sign we create to your specifications. Donation: \$200

If you would like to register your team or donate, please contact Marshalls Creek Fire Company Tournament Chairperson: Chris Mathiesen at (570) 242-8344.



## Shawnee Fire Company Community Fundraiser



## *Annual Charity Golf Tournament*

Shawnee Fire Company will host a golf tournament fundraiser which aids in providing professional and efficient emergency services to the community. Register you and your team for a day of fun at Shawnee Inn & Golf Resort, **Wednesday, September 29th** at 11am. (Rain Date: Wednesday, October 6). For more information and to register [click here!](#) Register by September 15th. \$90.00 per person includes golf, carts, on course refreshments, and a buffet dinner after golf.

Sponsorships and donations for raffle prizes are being accepted and greatly appreciated! [Click here](#) to donate or become a tee sponsor.

All golfers must follow the Shawnee Inn & Golf Resort COVID policy.



## **Pick Up The Poconos**

*Volunteers needed for September 25th region-wide cleanup*

The Pocono Mountains Visitors Bureau (PMVB) is seeking volunteers for its next region-wide litter pick-up day on Saturday, September 25, 2021, from 9:30a.m. – 12:30 p.m. (rain or shine). Volunteers can select to clean one location in

Carbon, Monroe, Pike, or Wayne County. Anyone interested in helping the cause should sign up on [PickUpThePoconos.com](https://www.pickupthepoconos.com). There you will find resources and tips on how to safely pick up litter. The deadline to register is Monday, September 20, 2021, by 5 p.m.

Thanks to PennDOT and Keep Pennsylvania Beautiful, the PMVB provides “supply kits” containing gloves, trash bags, safety vests and trash grabbers. This event is just one component of the PMVB’s “Pick Up the Poconos” campaign.



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



### Smithfield Township PA

governor to the economic development and...

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Open now

Rating - 1.0 (5 Reviews)

Suggest Edits

### Photos



### Smithfield Township PA

August 29, 2021

There is a lot to look forward to this upcoming season! Sign up for our monthly newsletter to be in the know at <https://bit.ly/2Nt9pm1>



2

Like Comment Share

Write a comment...



Smithfield Township PA



### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Open now

Rating · 1.0 (5 Reviews)

September 9, 2021 ·

Mark your calendar!



Smithfield Township PA

September 14, 2021 ·



Electronic Collection Event this Saturday!



SAT, SEP 18, 2021

### ELECTRONIC COLLECTION EVENT

1114 Military Rd, Stroudsburg, PA 18360, United States



1



Write a comment...



### Photos

See all photos



Smithfield Township PA

September 12, 2021 ·



Fresh Baked Bread  
By Robert Lovenheim



Smithfield Township PA



### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Open now

Rating · 1.0 (5 Reviews)



1

Like

Comment

Share



Write a comment...



Smithfield Township PA

September 7, 2021 ·



SAT, SEP 25, 2021

### Pick Up The Poconos Day

Pocono Mountains  
37 people interested

Interested

Like

Comment

Share



Smithfield Township PA

September 7, 2021 ·



### Photos

See all photos







# September 21 eNewsletter

[←Go Back](#)

## September 21 eNewsletter





## **FREE Statewide Virtual Job Training Program**

The State Department of Labor and Industry announces a free online job training program, SkillUp® of PA. The program launched statewide in August and encourages job seekers to gain the new skills they need to join the workforce or advance their career.

Online trainings available include:

- Accounting/finance
- Clerical
- Customer Service
- Human Resources
- Information Technology
- Marketing
- Microsoft Office
- Project Management
- Soft skills such as communication, time management, professionalism and more!

Pennsylvanians interested in SkillUp® PA virtual training can find more information at [Pennsylvania Pressroom](#).



## Local Matters: What Are The Roles of Local Offices?

*By Jacob Pride*

By now, most of you know that there is an election just around the bend! In our last edition of [Local Matters](#), we covered how to register to vote and the methods you can use to vote. We also talked about how the offices up for election this year hold a myriad of responsibilities. So, what are those responsibilities?

The **Monroe County Coroner** (4-year term) is primarily responsible for investigating the deaths of individuals in our County. In addition, the Coroner's office provides planning resources for the family of the deceased, death certificates, and data to prevent similar deaths.

The **Monroe County Treasurer** (4-year term) is responsible for receiving all funds due to the County, including from local Tax Collectors. The office also serves as an agent of the Commonwealth via the issuance of licenses for fishing, antlerless deer, small games of chance, dogs, and other licensure. On a related note, a **Township Tax Collector** collects real property taxes due to the municipality. Typically, they also collect the same for school districts. Other taxes, like the Earned Income Tax or Local Services Tax, are collected by third parties.

A **Township Supervisor** (6-year term) is a member of a board of three to five Supervisors that exercise executive, legislative, and quasi-judicial duties in their Townships. These duties include zoning and land development matters, parks and recreation, declarations of emergency or disaster, and the implementation of state/federal programs delegated to municipalities, among others.

A **Township Auditor** (6-year term) is a member of a board of three Auditors. In some municipalities, the Board performs the annual Township Audit. In Townships like Smithfield, Supervisors opt for a third party to conduct the audit. In those and other municipalities, the Auditors set the compensation for Supervisors employed by the Township.

Now loaded with more information, you may consider visiting these offices or attending their meetings. County and municipal offices are open 8 a.m. to 4:30 p.m. on weekdays. Township meetings are held in-person and via Zoom, with archives posted on YouTube. Guests are always welcome. You may even consider running for office yourself or joining a commission/committee after attending meetings or visiting.

### Resources

Smithfield Township [website](#)

Smithfield Township [YouTube](#)

Monroe County [website](#)





## Fresh Baked Bread

*By Robert Lovenheim*

As long as I've lived in Smithfield, I've always craved one store that seems elusive: a bakery. In my wife's hometown (Barcelona, Spain), there are bakeries on every corner. At breakfast hours they sell bread, rolls, and small sandwiches. In the evening they sell hot loaves that people take home for dinner. Here in Smithfield, we have a lot of bread eaters but no bread bakers.

While we do have one store that makes excellent bagels, there is no baguette, loaf of country white, or stone-ground rye. Where is the little bakery with fresh bread, rolls, and a line out the door of people wanting to take home a still-warm loaf and slather it with butter? A bakery is the kind of local business we need. If you look at the many stands selling fresh bread at the weekly farmer's market in Stroudsburg, people are willing to pay top prices for good, homemade bread.

Try making your own sourdough bread! I've been doing it for at least 20 years. Start by making the sourdough starter. Mix water and flour to the consistency of oozing concrete and set it in a bowl on your counter for three days to a week until it bubbles and foams. Then mix in more flour (about 3-4 cups), and a tablespoon of salt, to make a loaf. Cover the bowl with plastic wrap to keep it from drying out and let it rise for 4-5 hours. Heat the oven to 450°, put the dough on a cookie sheet lined with oven paper, and bake until golden brown. Why are these instructions so vague? Simply because it is hard NOT to come out with something that tastes good.

What you take out of the oven may not look like the greatest professionally made loaf, but I guarantee – when it's just cool enough to break apart and spread with butter – you'll experience a profound moment of joy that bakers have known for thousands of years, or at least back to the time when man invented butter. If you get hooked on making your own bread and want some pointers, let me know at [robert@smithfieldtownship.com](mailto:robert@smithfieldtownship.com)! Bakers brag about their breads like they were their children.





## Fire Insurance Escrow

If you've recently experienced a fire loss on your property, a portion of the insurance claim may temporarily be directed to Smithfield Township. The Township automatically becomes a third party in the insurance claim if the claim equals or exceeds 60% of the total amount the insurer will pay for claims during a specified period (also known as the aggregate limit of liability). When this condition is met, the Township receives \$2,000 for every \$15,000 of the claim, and those funds are deposited into an escrow account.

To retrieve the funds from the Township, the first step is to acquire the proper permits for the repair or demolition of the structure, which can be obtained by submitting a Zoning/Building application to the Township; call our Zoning Officer, Ken Wolfe at (570) 223-5082 ext. 2 for more information. Once the work is complete and the property has been inspected, the property owner can apply to the Township and have the escrowed money released.

This procedure was adopted by ordinance in 2005 to discourage property abandonment after a fire. If a property owner chooses to sell or abandon a property without securing it first, the Township has the authority to use the escrowed funds to secure the property and pursue the property owner to recover costs not covered by the escrow.

If you do experience a fire loss, take the proper steps to secure your property and get the escrow funds returned to you. To view the ordinance, [click here](#). If you have questions about the process or need assistance with the Township's process regarding an open fire loss claim, don't hesitate to [contact us](#).



## **Marshalls Creek Fire Company**

### *28th Annual Fall Classic Golf Tournament*

MCFC will host their annual golf tournament at the Country Club of the Poconos Municipal Golf Course **September 25th**. The Fire Company is committed to your safety and in order to maintain being there during snowstorms, flooding, brushfires, and much more, their volunteers need our community's support. Donations and contributions like yours can help cover costs to safely equip and train our firefighters and EMTs and maintain equipment along with necessary emergency vehicles. There are many ways to get involved, any donation is greatly appreciated!

Play in the tournament:

Register your team for a fun day of golf. \$85 per person includes carts, snacks, and beverages while playing and a delicious meal to finish up the day! This is to benefit our community, therefore there will be proper health health regulations in place as well as social distancing.

Advertise your business:

The tournament has 3 different levels of sponsorship:

1. Door Prize Sponsorship- A donation of goods or services that will advertise your business.
2. Tee Sponsorship- Advertise your business on a sign we create to your specifications that will be posted at a tee box at the tournament.  
Donation: \$75
3. Hold Sponsorship- A sign prominently displayed at one of the 18 holes, advertise your business on a sign we create to your specifications.  
Donation: \$200

If you would like to register your team or donate, please contact Marshalls Creek Fire Company Tournament Chairperson: Chris Mathiesen at (570) 242-8344.





## Shawnee Fire Company Community Fundraiser

### *Annual Charity Golf Tournament*

Shawnee Fire Company will host a golf tournament fundraiser which aids in providing professional and efficient emergency services to the community. Register you and your team for a day of fun at Shawnee Inn & Golf Resort, **Wednesday, September 29th** at 11am. (Rain Date: Wednesday, October 6). For more information and to register [click here!](#) Register by September 15th. \$90.00 per person includes golf, carts, on course refreshments, and a buffet dinner after golf.

Sponsorships and donations for raffle prizes are being accepted and greatly appreciated! [Click here](#) to donate or become a tee sponsor.

All golfers must follow the Shawnee Inn & Golf Resort COVID policy.



## Pick Up The Poconos


### *Volunteers needed for September 25th region-wide cleanup*


The Pocono Mountains Visitors Bureau (PMVB) is seeking volunteers for its next region-wide litter pick-up day on Saturday, September 25, 2021, from 9:30a.m. – 12:30 p.m. (rain or shine). Volunteers can select to clean one location in Carbon, Monroe, Pike, or Wayne County. Anyone interested in helping the cause should sign up on [PickUpThePoconos.com](http://PickUpThePoconos.com). There you will find resources and tips on how to safely pick up litter. The deadline to register is Monday, September 20, 2021, by 5 p.m.


Thanks to PennDOT and Keep Pennsylvania Beautiful, the PMVB provides "supply kits" containing gloves, trash bags, safety vests and trash grabbers. This event is just one component of the PMVB's "Pick Up the Poconos" campaign.





 **1155 Red Fox Road**  
East Stroudsburg, PA 18301

 **(570) 223-5082** Phone  
**(570) 223-5086** Fax

 **Monday - Friday, 8:00AM to**  
**4:30PM**





**Smithfield Township PA**

October 7, 2021 · 🌐



October 2021 eNewsletter - <https://mailchi.mp/6124b3b28394/october-2021-enewsletter>  
Check trick or treating hours, leaf pick up information, election information, and more!

2 Shares

Like

Comment

Share



Write a comment...





# October 21 eNewsletter



## Trunk or Treat

*Smithfield Township Municipal Center: October 22, 2021*

Come enjoy some extra holiday fun! Smithfield Township will be hosting a trunk or treat event on October 22nd from 5:30 p.m. to 7:30 p.m. at the [municipal center](#). To participate as a vehicle decorator, please pre-register by October 10th [here](#). Vehicle decorators are encouraged to set up at 5:00 p.m. and candy will be provided for free upon arrival. During the event, we will require social distancing and masks are strongly encouraged.

## Trick or Treating

October 31, 2021  
6 p.m. to 8 p.m.  
Throughout Smithfield Township



## Leaf Collection Program

*October 18 – November 19, 2021*

Smithfield Township's Leaf Collection Program is conducted for five weeks from mid-October to mid-November. Once an area has received its leaf collection, it is required that the resident to remove any residual leaf piles.

**Do not rake twigs, branches, walnuts, sticks, rocks, bottles, garden debris, etc. with the leaves: such items cause equipment to breakdown.**

Guidelines for bulk leaf piles:

- All leaves to be collected must be placed at the shoulder, off the road. Avoid raking leaves onto pavement, crosswalks, fire hydrants, decorative plantings, catch basins, or stormwater ditches, which could cause drainage issues during rain.
- Bags and rigid containers of leaves will not be collected. No exceptions!
- The leaf pile may extend the length of the property.
- Do not mix limbs, brush, and other debris in the leaf piles. This may result in damage to equipment and injuries to employees.
- Adverse weather conditions may cause delays on posted leaf collection dates.
- State regulations prohibit the collection of leaves mixed with regular trash.
- Township employees and equipment are not permitted to enter private property to remove leaves.
- Motorists should be cautious on local roads during leaf collection time.

**Landscapers and Garden Services:** It is illegal to dump loads of leaves on Township streets. Any contractor caught dumping leaves will be subject to a fine for illegal dumping on Township right-of-way.

Residents are encouraged to mulch and/or compost leaves.



## Local Matters: Statewide Appellate Courts

By Jacob Pride

In our last edition, we discussed local offices from County Treasurer down to Township Auditor. Not only are those offices on the ballot, but so is a portion of the Pennsylvania judiciary. The Unified Judicial System of Pennsylvania is comprised of several levels. On the ballot this year are seats on the **Supreme Court (1)**, **Superior Court (1)**, and the **Commonwealth Court (2)**. These courts are collectively known as appellate courts, where appeals of lower court decisions are heard.

Individuals elected to these seats serve ten-year terms, which are renewable in retention elections. They must retire on the last day of the calendar year in which they turn 75. Members of the Commonwealth and Superior Courts are referred to as judges, while judges on the Supreme Court are referred to as justices. Each court holds their own responsibilities. For the purposes of this article, only the judicial offices elected this year in Smithfield Township will be discussed. The local judiciary will be featured at a later date.

The **Commonwealth Court** hears suits filed by and against the Commonwealth, as well as appeals of local government and state regulatory decisions. The latter type of case is typically first heard in the Court of Common Pleas. The Commonwealth Court meets in panels of three but occasionally hears cases with all judges (*en banc*) or a single judge. There are seven members of this court.

The **Superior Court** hears appeals of all criminal and most civil cases, including family law matters. Those cases are generally appeals originating from the Court of Common Pleas. The Superior Court meets in panels of three but occasionally hears cases with nine judges (considered *en banc*) or a single judge. There are fifteen members of this court. Generally, cases that the Superior Court decides are not taken up on appeal.

The **Supreme Court** is the court of final appeal in all matters in Pennsylvania unless the U.S. Supreme Court grants *certiorari*. *Certiorari* is Latin for "to inform," meaning the Court seeks the legal record of a case from a lower court. The Supreme Court is comprised of seven justices and has a discretionary docket, which permits the Court to select which cases it hears.

To learn more about the Pennsylvania judiciary, visit

<https://www.pacourts.us/courts>.

**Your Vote Counts – Vote November 2<sup>nd</sup>**



The 2021 General Election is just 26 days away – do not miss your chance to have your voice heard. You may vote in person at your polling place, via Mail-in Ballot (without excuse), or Absentee Ballot. This year, voters are asked to elect a Supreme Court justice, one Superior Court judge, two Commonwealth Court judges, a County Treasurer, a County Coroner, five School Board directors, a Township Supervisor, a Township Tax Collector, and a Township Auditor, among other municipal positions.

Mail-In Ballots must be received by the Monroe County Office of Elections by 8 p.m. on Election Day (November 2). Dropboxes are available – for dropbox hours, [click here](#).

Sample ballots:

[Smithfield One](#)

[Smithfield Two](#)

[Smithfield Three](#)

[Smithfield Four](#)

To locate your polling place, click [here](#) and visit Pennsylvania Voter Services.

To check your registration status or find your polling place, [click here](#).

To request an Absentee or Mail-In Ballot, [click here](#).

#### MORE VOTING INFORMATION

---

A graphic with a light blue grid background. On the left, a yellow diamond contains the text "Budget meetings" in a handwritten font. To the right, a red and white pen lies vertically next to a portion of a black keyboard. The text "October 20<sup>th</sup> and 27<sup>th</sup>" and "November 3<sup>rd</sup> and 10<sup>th</sup>" is centered in bold black font. Below this, it says "All meetings will be held at 10 a.m." and "CLICK HERE for Zoom Information".

**Budget meetings**

**October 20<sup>th</sup> and 27<sup>th</sup>**  
**November 3<sup>rd</sup> and 10<sup>th</sup>**

All meetings will be held at 10 a.m.  
[CLICK HERE for Zoom Information](#)

---





## The Smithfield Open Space Review Board

*Needs Feedback from Local Property Owners*

The Water Quality, Forest, and Wildlife Habitat Fund can be used to acquire land, development rights and/or conservation easements in Smithfield Township in order to:

- Protect drinking water supplies.
- Protect water quality in lakes, rivers, and streams.
- Protect forests and wildlife habitats.
- Protect wetlands that provide flood protection.

If you are interested in learning more about protecting your property for future generations or if you know of a property that you think should be protected, they want to hear from you! Please contact:

Robert Lovenheim  
Smithfield Township  
[robert@smithfieldtownship.com](mailto:robert@smithfieldtownship.com)  
570-223-5082

-or-

Louise Troutman  
Pocono Heritage Land Trust  
[ltroutman@phlt.org](mailto:ltroutman@phlt.org)  
570-424-1514



# WINTERIZE

YOUR RAIN BARREL

**To prevent your rain barrel any damage such as freezing and cracking plastic, we recommend you take the following steps to winterize your rain barrel:**

1. Drain and leave the spigot open.
2. Remove hoses and rain spout diverter and leave faucets open.
3. Clear debris from the barrel and the filter screen.
4. Store the barrel turned upside down in a dry spot to prevent water accumulation. Preferably store indoors such as in a garage or basement, though outside under a tarp will do just fine.

**Want a rain barrel for next year?**

**Click here** to follow Broadhead Creek Heritage Center for rain barrel workshops!



## Trash & Recycling Collection

According to Smithfield Township's Solid Waste and Recycling Ordinance ([No. 217](#)), it is required that all residents use the services of an authorized collector for waste collection. Recycling, too, is mandatory under this ordinance in Smithfield Township. The township itself does not provide residential or commercial trash or recycling collection — however, there are many private haulers to choose from through The Monroe County Waste Authority. You can find a list of public haulers in Monroe County on The Waste Authority's [website](#).

Residents and commercial establishments must keep all recyclables separate, mixing waste or leaf debris for collection, removal, or disposal is called contamination and prevents authorized waste collectors to remit them to recycling facilities. Make sure to check with your hauler for what can and cannot be recycled. Again, it is mandatory to have a recycling program through Ordinance 217.

If you would prefer to drop-off recyclables, the Monroe County Municipal Waste Management Authority operates two recycling drop-off sites in the county. Residents may drop off their recyclables at one of two sites:

- **DCNR in Pocono Township: 2174A PA-611, Swiftwater, PA 18370**
- **Military Road Recycling Site in Stroud Township: 1110 Military Road, Stroudsburg, PA 18360**

For more information on hours of operation, please, click [here](#) to visit the Monroe County Municipal Waste Authority website.

For a list of acceptable and unacceptable items, please click [here](#).

Do your part and recycle; it's the law!

[The Waste Authority Website](#)




---


This email was sent to **:[EMAIL]:**


[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

\*[LIST:ADDRESSLINE]\*[\*REWARDS]\*



 **1155 Red Fox Road**  
East Stroudsburg, PA 18301

 **(570) 223-5082** Phone  
**(570) 223-5086** Fax

 **Monday - Friday, 8:00AM to**  
**4:30PM**





Smithfield Township PA



### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th



Page · Government organization



1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania



(570) 223-5082



info@smithfieldtownship.com



smithfieldtownship.com



Open now



Rating · 1.0 (5 Reviews)

### Photos

See all photos



Write a comment...



Smithfield Township PA

September 14, 2021



### State Rep. Jack Rader invites you to a SHREDDING/FALL CLEAN UP DAY!

For Residents of Monroe County

Rep Rader is hosting this event along with **POCONO RACEWAY** so residents can get rid of some extra, unneeded items around the house.

**SATURDAY, OCT. 2, from 10 a.m. to 1 p.m.**

**FREE EVENT at POCONO RACEWAY!**

1234 Long Pond Road, Long Pond, PA

The event will take place in the parking area in front of the raceway ticket office on Long Pond Road.



Residents are asked to remain in their vehicles, where a member of Rader's staff will be of assistance. They will be following CDC safety guidelines. The limit for paper shredding is four copy-paper-sized boxes per car.



#### Additional Items being collected include:

- The Waste Authority is doing **TIRE AMNESTY** again this year! Accepting four tires per vehicle for **FREE!** Visit [www.thewasteauthority.com](http://www.thewasteauthority.com) for a list of tire RESTRICTIONS and what will not be accepted.
- Prescription drug take back collected by Monroe County Sheriff's Office.
- Faded and worn flags collected by American Legion Post 413 (Pocono Lake).
- Prescription eyeglasses, sunglasses & hearing aids will be collected by the Lions Club, which recycles these items.
- Working cell phones and chargers collected for "Cell Phones for Soldiers."
- Gently used children's books collected by the Clymer Library.
- Special appearance by Tricky the Raceway Mascott
- Amazon will be there with information on job openings.

Shredding collected by Purple Paper Eaters!



#### STATE REP. JACK RADER

##### District Offices

2785 Bldg. 115 5th, 103, Carriage House Square, Effort, PA 18330, 570-620-4341  
395 Route 940, 5th, 104, Blakeslee Medical Professional Complex, Blakeslee, PA 18610, 570-643-7683

[RepRader.com](https://www.facebook.com/RepRader) [facebook.com/RepRader](https://www.facebook.com/RepRader)



PA State Rep. Jack Rader

September 9, 2021

today

October 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	1	2
		7:00 pm Board of Supervisors Regular Meeting				
3	4	5	6	7	8	9
			11:00 am Shawnee Fire Company Community Fundraiser			11:30 am Pocono Food Truck Festival
10	11	12	13	14	15	16
11:30 am Pocono Food Truck Festival	Office Closed in Observance of Columbus Day	4:00 pm Board of Supervisors Work Session		7:00 pm Planning Commission Regular Meeting		
17	18	19	20	21	22	23
	Leaf Collection Program					
					5:30 pm Smithfield Trunk or Treat 2021	

today

November 2021 < >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
11	1	2	3	4	5	6
Leaf Collection Program						
7	8	9	10	11	12	13
Leaf Collection Program						
		4:00 pm Board of Supervisors Work Session				10:00 am Shawnee Mt. Hiring Fair & Vaccine Clinic
14	15	16	17	18	19	20
Leaf Collection Program						
				7:00 pm Planning Commission Regular Meeting		
21	22	23	24	25	26	27





## Spring Leaf Pick-up

The Township Road & Maintenance Department will be picking up leaves from residents on Township roads beginning on Monday, April 18th to Friday, May 6th.

not include apples, sticks, or walnuts. For a list and map of Township roads, click [here](#) to download the Township Road Map.

There are no fees associated with the leaf pick-up.

To be placed on one of the daily routes, please call the Roads & Maintenance Department at (570) 223-5082 opt. 8. Priority will be assigned based on the calls received. Dates are subject to change in accordance with weather conditions.



## Deadline April 20th

With over 50 miles of township roads, road crew members are responsible for duties such as road construction and maintenance, winter snow and ice removal, traffic and street signage, stormwater works, and maintenance and repair of township equipment.

Smithfield Township is now accepting applications for an experienced, full time road crew member. Other than experience operating equipment and

Applications can be emailed to Smithfield Township's Roadmaster, Ed McCormack, at [ed@smithfieldtownship.com](mailto:ed@smithfieldtownship.com) or dropped off at the Municipal Center located at 1155 Red Fox Road, East Stroudsburg 18301.

## APPLICATION

---



## Register Unsheltered Vehicles

Unsheltered, unregistered vehicles can pose a danger to public safety, health, and wellbeing. According to Smithfield Township's ordinance regarding the storage of motor vehicles, if you are in possession of up to two unregistered vehicles, as long as one is used for parts, it is permitted for up to six months. However, more than two vehicles are not allowed to remain unsheltered for more than 10 days. If your unregistered vehicle is out of the public eye, it is permitted. Options to shelter the vehicle include building a fence, wall, or barricade or planting trees and shrubs along the property to hide it from public

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

- A motor vehicle registration license plate
- A current inspection sticker

To report an unregistered vehicle, please contact our Zoning Officer, Ken Wolfe, at Smithfield Township at [\(570\) 223-5082](tel:(570)223-5082) ext. 2.

## ORDINANCE



Smithfield Township Municipal Center

### **CLOSED Friday, April 15th**

in observance of Good Friday.

We will reopen Monday, April 18th,  
from 7 AM to 4:30 PM.

Thank you!



## Community Garden Plots Available

The Community Garden is a free and excellent opportunity to exercise your "green thumb" while meeting members of the Smithfield community! Located at Smithfield Township's Waterfront Park on Twin Falls Road in East Stroudsburg, plots are assigned on a first-come, first-served basis.

### APPLICATION

---



---

*By Robert Lovenheim*

The Beatles sang about taxes on their Revolver album (Taxman, 1966). Has anyone since found alternative systems for raising public revenue?

Web guru Jaron Lanier suggests in his book, “Who Owns the Future” that each of us should receive a cash credit from sites like Facebook and Google every time they use the data we supply by our searches and clicks. The credits would be 100ths or 1000ths of a penny, but this could quickly add up. This revenue stream could then be directed at municipalities from the cash credits generated by residents.

That may seem radical but something similar is already in practice; part of the bill we pay each month on cable TV goes to the municipalities in return for the right to operate the franchises. Now, is a revenue stream from internet data collection that different?

You may have seen signs on commercial properties along route 209 in Middle Smithfield saying “LERTA approved.” That stands for “Local Economic Revitalization Tax Assistance.” It is a PA law allowing municipalities to grant a sliding-scale ten-year tax abatement to encourage new businesses to build buildings. Smithfield does not have LERTA authorization because we feel we don’t need it to attract new businesses.

What has rarely been explored as out-of-the-box thinking is whether a municipality can actually partner with a business in a new form of a Public-Private Partnership (PPP). It would probably need the formation of a development authority, much like our Smithfield Sewer Authority, that can do business with greater flexibility than the Township. Instead of tax abatements, the authority would issue tax credits held as equity in the project. The tax credits would earn income, like any investment partner, for the length of the



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

Remember how the US Government bailed General Motors out of bankruptcy in 2009 and then converted the loan to equity (61% in that case)? As shares rose, it turned out to be a very good deal for US taxpayers. What I am describing is not so different except the equity invested is tax credits, not cash.

Could it work here in Smithfield? Would it help keep a lid on new taxes? Is it even legal in PA? It may be worth more discussion, and more ideas are welcome.

---

[Subscribe](#)

[Past Issues](#)

[Translate](#) ▼

[RSS](#)



# PICK UP THE POCONOS DAY

**SATURDAY, APRIL 23, 2022 9:30AM-12:30PM**

Sign up to clean your borough/township on  
**PickUpThePoconos.com**



After the cleanup, you're invited to the  
**Earth Day Celebration at Pocono Organics!**  
**10:30AM-3:30PM**

Volunteers are exclusively eligible for door prizes at the celebration! The event is open to the public.  
Food & Craft Vendors | Face Painting | Magician  
K9 Unit | Reptile Show | And More!



**PickUpThePoconos.com**  
— DO YOUR PART —

[Subscribe](#)

[Past Issues](#)

[Translate](#) ▼

[RSS](#)



Smithfield Township's Reservoir Road is looking for volunteers through  
Pick Up The Poconos!

**SIGN UP**

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



### Smithfield Township PA

**Intro**  
Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Opening Soon

Rating · 1.0 (5 Reviews)

Suggest Edits

**Photos** See all photos

Write a comment...

**Smithfield Township PA**  
April 6

April eNewsletter 2022 - <https://mailchi.mp/734c4cd8102a/april-enewsletter-2022>  
Spring Leaf Pick-up, Smithfield Hiring Road Crew Member, Pick Up The Poconos, and More!

6 2 Comments 1 Share

Like Comment Share



# May 2022 eNewsletter

## Smithfield Township eNewsletter





## Township Clean-up for Residents

Bring your unwanted household goods to Smithfield Township Municipal Center. You must provide proof of residency, such as a driver's license, tax bill, or rent receipt when dropping off.

### Items for Disposal:

#### Acceptable

Furniture, mattresses, toys, washers, dryers, stoves, bicycles, lawn mowers, water heaters, car & truck batteries, nails & screws (in a closed container), electronics (computers, TVs, networking devices, printers, power supplies, computer accessories, wire & cables, computer hardware), cartridges, cell phones/radios, batteries, fire alarms, gas-powered equipment, fax machines, lawn equipment, copiers, typewriters.

**\*Appliances requiring freon removal are accepted with a \$20 fee.**

#### Not Acceptable

Household garbage, automobiles, paint cans with contents, thinners, pesticides, herbicides, liquids, or any other hazardous materials, trailers (campers and others), construction or demolition waste, liquids.

**\*No liquids are accepted.**

## ADDITIONAL FEE INFORMATION

---



## Vote

Important deadlines:

- Apply for a mail or absentee ballot: 5 p.m. Tuesday, May 10<sup>th</sup>
- Return mail or absentee ballot: 8 p.m. Tuesday, May 17<sup>th</sup>

Mail-in ballot drop-off locations can be found [here](#).

To locate your polling place, click [here](#) and visit Pennsylvania Voter Services.

Sample ballots:

[Smithfield One](#)

[Smithfield Two](#)

[Smithfield Three](#)

---



### **Your Yard Sale's Permit**

Spring cleaning means it's yard sale season! Smithfield Township requires that residents have a permit when hosting a yard sale. The applicant must exhibit the permit at the time of the sale in full view of the public at all times. Specifics on timing and directional signage are within the application below.

#### **APPLICATION**



## **The Sky is Falling**

*By Robert Lovenheim*

The numbers on the photo above were added to trees in my backyard by a tree surgeon. They all must come down. Eight ash trees in all, and all of them ready to fall. Last year they still looked healthy but this year I can see big areas of the trunks have been stripped of bark, limbs look scraggly, and the crowns are thin. This is the result of the emerald ash borer that has been killing ash trees across the state. Add the emerald ash borer to the list that includes the gypsy moth, the hemlock woolly adelgid, and the Cooley spruce gall adelgid as insects devastating our forests.

Next time you ride through the Gap on I-80, look up at Mt. Minsi and see all the leafless dead trees. Our forests are dying and there is not much we can do about it. Almost all northern hardwoods are susceptible to invasive insects.

The greater danger is not trees dying, but people dying. Once the emerald ash borers attack an ash tree it has 3-4 years to live. After that it begins falling apart and is a real hazard. Limbs can fall off at any time. If you've ever walked a forest path and heard a sudden cracking/crunching of a falling limb you know you are helpless. Do you run forward or back or stay still? There is no way to know in the split second before it falls.

Many Township roads evolved from narrow cart tracks. They have no shoulder. Trees grow right to the roadside. Fawn Road and Mt. Nebo Road are two examples. Both are lined with dying and dead Ash trees that will eventually disintegrate and fall.

Texas Governor George Abbot was jogging in his Houston neighborhood when an Oak tree fell on him. He is now 64 years old and has been in a wheelchair, paralyzed from the waist down, for 38 years.

At the Township we are trying to embark on a program to eliminate dangerous trees. But in our forested environment it is an impossible task and far beyond our financial resources. Besides the dangers these trees pose, is the question of what will replace the vast forests that distinguish the character of Pennsylvania. Will the trees be gone twenty-five years from now? The hillsides, instead, studded with small shrubs. It is impossible to imagine, but it could happen. Meanwhile, be cautious walking forest trails or driving narrow forest roads in high winds and storms.

**Update: Board of Supervisor Meetings**

Starting June 1<sup>st</sup>, the Board of Supervisor meetings held on the second and fourth Wednesday of the month will now both be held at 6:00 PM.

**May BOS meetings:**

Wednesday, May 11<sup>th</sup> at 4 PM

Wednesday, May 25<sup>th</sup> at 7 PM

**June BOS meetings:**

Wednesday, June 8<sup>th</sup> at 6 PM

Wednesday, June 22<sup>nd</sup> at 6 PM

**MEETING SCHEDULE**


---


This email was sent to **\*[EMAIL]\***


[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

**\*[LIST:ADDRESSLINE]\*** **\*[REWARDS]\***

---

 **1155 Red Fox Road**  
East Stroudsburg, PA 18301

 **(570) 223-5082** Phone  
**(570) 223-5086** Fax

 **Monday - Friday, 8:00AM to**  
**4:30PM**



## Melissa Hutchison

---

**From:** Smithfield Township <smithfieldtownship@gmail.com>  
**Sent:** Wednesday, May 4, 2022 8:00 AM  
**To:** Melissa Hutchison  
**Subject:** May 2022

### Smithfield Township eNewsletter



#### Township Clean-up for Residents

Bring your unwanted household goods to Smithfield Township Municipal Center. You must provide proof of residency, such as a driver's license, tax bill, or rent receipt when dropping off.

#### Items for Disposal:

Acceptable

Furniture, mattresses, toys, washers, dryers, stoves, bicycles, lawn mowers, water heaters, car & truck batteries, nails & screws (in a closed container), electronics (computers, TVs, networking devices, printers, power supplies, computer accessories, wire & cables, computer hardware), cartridges, cell



phones/radios, batteries, fire alarms, gas-powered equipment, fax machines, lawn equipment, copiers, typewriters.

**\*Appliances requiring freon removal are accepted with a \$20 fee.**

Not Acceptable

Household garbage, automobiles, paint cans with contents, thinners, pesticides, herbicides, liquids, or any other hazardous materials, trailers (campers and others), construction or demolition waste, liquids.

**\*No liquids are accepted.**

## ADDITIONAL FEE INFORMATION



## Vote

Important deadlines:

- Apply for a mail or absentee ballot: 5 p.m. Tuesday, May 10<sup>th</sup>
- Return mail or absentee ballot: 8 p.m. Tuesday, May 17<sup>th</sup>

Mail-in ballot drop-off locations can be found [here](#).

To locate your polling place, click [here](#) and visit Pennsylvania Voter Services.

Sample ballots:

[Smithfield One](#)

[Smithfield Two](#)

[Smithfield Three](#)



## Your Yard Sale's Permit

Spring cleaning means it's yard sale season! Smithfield Township requires that residents have a permit when hosting a yard sale. The applicant must exhibit the permit at the time of the sale in full view of the public at all times. Specifics on timing and directional signage are within the application below.

**APPLICATION**



## **The Sky is Falling**

*By Robert Lovenheim*

The numbers on the photo above were added to trees in my backyard by a tree surgeon. They all must come down. Eight ash trees in all, and all of them ready to fall. Last year they still looked healthy but this year I can see big areas of the trunks have been stripped of bark, limbs look scraggly, and the crowns are thin. This is the result of the emerald ash borer that has been killing ash trees across the state. Add the emerald ash borer to the list that includes the gypsy moth, the hemlock woolly adelgid, and the Cooley spruce gall adelgid as insects devastating our forests.

Next time you ride through the Gap on I-80, look up at Mt. Minsi and see all the leafless dead trees. Our forests are dying and there is not much we can do about it. Almost all northern hardwoods are susceptible to invasive insects.

The greater danger is not trees dying, but people dying. Once the emerald ash borers attack an ash tree it has 3-4 years to live. After that it begins falling apart and is a real hazard. Limbs can fall off at any time. If you've ever walked a forest path and heard a sudden cracking/crunching of a falling limb you know you are helpless. Do you run forward or back or stay still? There is no way to know in the split second before it falls.

Many Township roads evolved from narrow cart tracks. They have no shoulder. Trees grow right to the roadside. Fawn Road and Mt. Nebo Road are two examples. Both are lined with dying and dead Ash trees that will eventually disintegrate and fall.

Texas Governor George Abbot was jogging in his Houston neighborhood when an Oak tree fell on him. He is now 64 years old and has been in a wheelchair, paralyzed from the waist down, for 38 years.

At the Township we are trying to embark on a program to eliminate dangerous trees. But in our forested environment it is an impossible task and far beyond our financial resources. Besides the dangers these trees pose, is the question of what will replace the vast forests that distinguish the character of Pennsylvania. Will the trees be gone twenty-five years from now? The hillsides, instead, studded with small shrubs. It is impossible to imagine, but it could happen. Meanwhile, be cautious walking forest trails or driving narrow forest roads in high winds and storms.

## MORE ABOUT THE EMERALD ASH BORER



### **Update: Board of Supervisor Meetings**

Starting June 1<sup>st</sup>, the Board of Supervisor meetings held on the second and fourth Wednesday of the month will now both be held at 6:00 PM.

#### **May BOS meetings:**

Wednesday, May 11<sup>th</sup> at 4 PM

Wednesday, May 25<sup>th</sup> at 7 PM

**June BOS meetings:**

Wednesday, June 8<sup>th</sup> at 6 PM

Wednesday, June 22<sup>nd</sup> at 6 PM

**MEETING SCHEDULE**



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



today

May 2022 < >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			8:00 am Spring Clean-Up	8:00 am Spring Clean-Up	8:00 am Spring Clean-Up	8:00 am Spring Clean-Up
			4:00 pm Board of Supervisors Meeting	7:00 pm Planning Commission Regular Meeting		
15	16	17	18	19	20	21
8:00 am Spring Clean-Up						
22	23	24	25	26	27	28
			7:00 pm Board of Supervisors Meeting			





## Prevent Wrongful Discharge to Storm Drains

Any substance discharged onto an impervious surface will almost always end up in the stormwater system, and ultimately our drinking water supply source.

Although some pollutant sources may seem trivial (like pet waste, decomposing grass clippings, and the over-use of fertilizer), the effects are significantly greater when multiplied by the entire township.

discharges. Help keep our drinking water clean!

### ILLCIT DISCHARGE DETECTION & ELIMINATION PLAN



One common discharge into storm drains is pet waste. Smithfield Township has approximately 3,734 households, about forty percent of which own a dog. The average dog poops twice a day, and each set of droppings contains about 3 billion fecal coliform bacteria. That works out to 8.9 trillion fecal coliform bacteria per day that could end up in a storm drain - and our local streams - if not picked up. Always bag your pet's waste and throw it in the trash; *it's just the right thing to do!*



[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

Monroe County Municipal Waste Management Authority  
183 Commercial Blvd. Blakeslee, PA 18610  
(570) 643-6100

# HHW EVENT

Household Hazardous Waste

WEDNESDAY

JULY 13

## WE ACCEPT:

Gasoline, Anti-Freeze, Motor Oil, Oil Based Paint, Insecticides,  
Pool Chemicals, Fire Extinguishers, and more!

## UPCOMING DATES:

August 10, September 21, October 19, November 16

## DROP-OFF LOCATION:

Military Road Recycling Site  
1114 Military Road  
Stroudsburg, PA 18360

FOR  
MONROE  
COUNTY  
RESIDENTS  
ONLY!

## REGISTRATION & ADDITIONAL INFO.

You MUST register and pay before arriving!  
Only items paid for will be accepted!

Click the button below or head over to our website!

The Monroe County Waste Authority is holding a series of household hazardous waste collection events over the summer. The first will be held on July 13th. To learn more about accepted items and how to register, click below!

[HHW COLLECTION INFORMATION](#)



**DANSBURY POOL  
PASS DISCOUNT**

**DISCOUNTED RATES**

<i>Age/Group</i>	<i>Half Day</i>	<i>Full Day</i>	<i>Season Pass</i>
2 thru 17	\$3	\$6	\$65
18 thru 54	\$4	\$7	\$90
55 & up	\$3	\$5	\$60
Family	\$10	\$20	\$145
Addl. Child	\$1	\$2	\$10

**Stop by the Municipal Center to fill out your discount form!**

\*Family Rates are for 2 adults & 2 children (under 18) who live together. Additional children may be added per the above rate.

Dansbury Pool is open for the season! Residents of Smithfield Township are entitled to discounted rates for half day, full day, and season passes. To claim your discount, stop by the Municipal Center between 8:00 a.m. and 4:30 p.m. to fill out the discount voucher form. Valid voucher forms are approved on the spot, allowing you to take your copy to Dansbury Pool to purchase half day/full day passes or the Day Street Community Center to purchase season passes.

### Dansbury Pool

15 Day St, East Stroudsburg, PA 18301

Open through August 21, subject to Stroud Regional Open Space & Recreation Commission discretion.

### Day Street Community Center

*(located next to the basketball and tennis courts at Dansbury Park)*



## Upcoming Township Meetings

Our schedule has changed! Starting this month and until the end of the year, the Board of Supervisors will meet on the second and fourth Wednesdays of the month at 6 p.m. All meetings occur at the Municipal Center.

June Board of Supervisors meetings:  
Wednesday, June 22nd at 6 p.m.

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

Wednesday, July 13th at 6 p.m.

Wednesday, July 27th at 6 p.m.

The Planning Commission meets on the second Thursday of the month at 7 p.m. All meetings occur at the Municipal Center,

July Planning Commission meeting:

Thursday, July 14th at 7 p.m.

### Township Meeting Calendar





[Subscribe](#)

[Past Issues](#)

[Translate](#) ▼

[RSS](#)

# Offices Closed in Observance of



# JUNETEENTH

# JUNE 20, 2022

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



## Melissa Hutchison

---

**From:** Smithfield Township Municipal Center <smithfieldtownship@gmail.com>  
**Sent:** Thursday, June 16, 2022 4:03 PM  
**To:** Melissa Hutchison  
**Subject:** June 2022 eNewsletter



### **Prevent Wrongful Discharge to Storm Drains**

Any substance discharged onto an impervious surface will almost always end up in the stormwater system, and ultimately our drinking water supply source.

Although some pollutant sources may seem trivial (like pet waste, decomposing grass clippings, and the over-use of fertilizer), the effects are significantly greater when multiplied by the entire township.

The link below offers information on how to prevent, detect, and report illicit

discharges. Help keep our drinking water clean!

## ILLCIT DISCHARGE DETECTION & ELIMINATION PLAN



One common discharge into storm drains is pet waste. Smithfield Township has approximately 3,734 households, about forty percent of which own a dog. The average dog poops twice a day, and each set of droppings contains about 3 billion fecal coliform bacteria. That works out to 8.9 trillion fecal coliform bacteria per day that could end up in a storm drain - and our local streams - if not picked up. Always bag your pet's waste and throw it in the trash; *it's just the right thing to do!*



Monroe County Municipal Waste Management Authority  
183 Commercial Blvd. Blakeslee, PA 18610  
(570) 643-6100

# HHW EVENT

Household Hazardous Waste

WEDNESDAY  
**JULY 13**

### WE ACCEPT:

Gasoline, Anti-Freeze, Motor Oil, Oil Based Paint, Insecticides,  
Pool Chemicals, Fire Extinguishers, and more!

### UPCOMING DATES:

August 10, September 21, October 19, November 16

### DROP-OFF LOCATION:

Military Road Recycling Site  
1114 Military Road  
Stroudsburg, PA 18360



### REGISTRATION & ADDITIONAL INFO.

You **MUST** register and pay before arriving!  
Only items paid for will be accepted!

Click the button below or head over to our website!

The Monroe County Waste Authority is holding a series of household hazardous waste collection events over the summer. The first will be held on July 13th. To learn more about accepted items and how to register, click below!

[HHW COLLECTION INFORMATION](#)





## DANSBURY POOL PASS DISCOUNT

### DISCOUNTED RATES

<i>Age/Group</i>	<i>Half Day</i>	<i>Full Day</i>	<i>Season Pass</i>
<b>2 thru 17</b>	<b>\$3</b>	<b>\$6</b>	<b>\$65</b>
<b>18 thru 54</b>	<b>\$4</b>	<b>\$7</b>	<b>\$90</b>
<b>55 &amp; up</b>	<b>\$3</b>	<b>\$5</b>	<b>\$60</b>
<b>Family</b>	<b>\$10</b>	<b>\$20</b>	<b>\$145</b>
<b>Addl. Child</b>	<b>\$1</b>	<b>\$2</b>	<b>\$10</b>

**Stop by the Municipal Center to fill  
out your discount form!**

\*Family Rates are for 2 adults & 2 children (under 18) who live together.  
Additional children may be added per the above rate.

Dansbury Pool is open for the season! Residents of Smithfield Township are entitled to discounted rates for half day, full day, and season passes. To claim your discount, stop by the Municipal Center between 8:00 a.m. and 4:30 p.m. to fill out the discount voucher form. Valid voucher forms are approved on the spot, allowing you to take your copy to Dansbury Pool to purchase half day/full day passes or the Day Street Community Center to purchase season passes. For more information about Dansbury Pool, call 570-421-6591. The pool and community center are open from 11:00 a.m. to 7:00 p.m.

#### **Dansbury Pool**

15 Day St, East Stroudsburg, PA 18301

Open through August 21, subject to Stroud Regional Open Space & Recreation Commission discretion.



## Day Street Community Center

*(located next to the basketball and tennis courts at Dansbury Park)*



### Upcoming Township Meetings

Our schedule has changed! Starting this month and until the end of the year, the Board of Supervisors will meet on the second and fourth Wednesdays of the month at 6 p.m. All meetings occur at the Municipal Center.

June Board of Supervisors meetings:

Wednesday, June 22nd at 6 p.m.

July Board of Supervisors meetings:

Wednesday, July 13th at 6 p.m.

Wednesday, July 27th at 6 p.m.

The Planning Commission meets on the second Thursday of the month at 7 p.m. All meetings occur at the Municipal Center,

July Planning Commission meeting:

Thursday, July 14th at 7 p.m.

[Township Meeting Calendar](#)

-----

**Offices Closed in  
Observance of**



**JUNETEENTH**

**JUNE 20, 2022**



---

This email was sent to [mprugar@bjengineers.com](mailto:mprugar@bjengineers.com)  
[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
Smithfield Township · 1155 Red Fox Rd · East Stroudsburg, PA 18301-9106 · USA



### Smithfield Township PA

#### Intro

Official Facebook page for Smithfield Township, Pennsylvania, gateway to the Pocono Mountains and th

**Page** · Government organization

1155 Red Fox Road, East Stroudsburg, PA, United States, Pennsylvania

(570) 223-5082

info@smithfieldtownship.com

smithfieldtownship.com

Rating - 1.0 (5 Reviews)

Suggest Edits

#### Photos

See all photos



2

Like Comment Share

Write a comment...  
Most relevant  
Most Relevant is selected, so some comments may have been filtered out.

Smithfield Township PA  
June 16 · 🌐  
June 2022 eNewsletter - <http://eepurl.com/h11W7z>



Like Comment Share

Write a comment...

Smithfield Township PA  
May 30 · 🌐  
Smithfield Township Municipal Center will be CLOSED today in observance and remembrance of Memorial Day 🇺🇸

1

Like Comment Share

Write a comment...

**SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS  
REGULAR BUSINESS MEETING – JUNE 22, 2022 – 6:00 P.M.**

**AGENDA**

- 1) CALL MEETING TO ORDER:**
- 2) PLEDGE OF ALLEGIANCE:**
- 3) PRESENT:**
- 4) ANNOUNCEMENTS:**
- 5) MINUTES:** June 8, 2022 - Regular Business Meeting.  
May 26, 2022 – Joint Meeting of the Supervisors & Planning Commission.
- 6) PUBLIC HEARINGS:** None
- 7) PLANS TO ACT ON:** None
- 8) REPORTS:**
  - A) SOLICITOR’S REPORT:**
  - B) ENGINEER’S REPORT:**
- 9) NEW BUSINESS:** PRESENTATION: MS-4 Public Presentation.
  - a) Consider:** Authorize Advertisement Township Manager Ordinance.
  - b) Consider:** Approve Advertisement for Marshalls Falls Park Phase 1 Bid.
  - c) Consider:** Fishing Pier Change Order No. 4.
  - d) Consider:** Readvertising the 2022-2023 Material Bid.
  - e) Discuss:** Draft Fence Ordinance.
  - f) Discuss:** Trail Markers for Mt. Nebo Park Update.
  - g) Discuss:** Feral Cat Policy Update
  - h) Consider:** Offer of Employment for Budget & Finance Manager.
- 10) BOARD OF SUPERVISORS REPORT:**
- 11) BILLS:** Current Bills – General Fund:\$63,118.06 - Highway Fund: \$9,596.87- Total: (\$72,714.93).
- 12) PUBLIC COMMENTS:**
- 13) ADJOURNMENT:**

THE SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS  
REGULAR BUSINESS MEETING  
JUNE 22, 2022

---

A Regular Business Meeting of the Smithfield Township Board of Supervisors was held on June 22, 2022, at the Smithfield Township Municipal Center at 1155 Red Fox Rd, East Stroudsburg, PA 18301, and via Zoom.

Present are Supervisors Jacob Pride, Robert Lovenheim (via Zoom), and Brian Barrett (via Zoom), Solicitor Ronold Karasek, Engineer Melissa Hutchison, and Office Manager Julia Heilakka.

1. Chair Jacob Pride calls the meeting to order at 6:06PM. A quorum is present.
2. The Pledge of Allegiance is recited.
3. Announcements
  - a. The Board held an executive session from 4:10PM – 5:14PM on June 22, 2022 for personnel, to interview for the Budget & Finance Manager position. Jacob Pride motions to add “Offer of Employment for Budget & Finance Manager” to the agenda, Robert Lovenheim seconds. Vote: Jacob Pride and Robert Lovenheim in favor; Brian Barrett opposed: motion carries.
4. Minutes
  - a. Brian Barrett motions to approve the minutes from the May 26, 2022 joint meeting, Robert Lovenheim seconds. No public comment. Vote: all in favor; minutes accepted.
5. Reports
  - a. Solicitor’s Report. Ron Karasek states the two used car conditional uses are withdrawn. The Eagle Valley plan will be discussed at the July 13<sup>th</sup> meeting.

Ron Karasek is waiting for Attorney Wolfe to send a draft document regarding the Airstrip Road easement and agreement, and he received a signed agreement and bond for the Vigon project. The bond is in order.

Ron Karasek completed the briefing on the Delaware Water Gap case for the appeal of the denial of the conditional use. The township is now waiting on the court to set an arguing date or to pass a decision.

Ron Karasek states Auditor Ozgun has been served. Jacob Pride confirms the Board of Supervisors has not selected any attorney because the Board of Auditors has not met. Vicky Ozgun confirms that she has not received any information from her fellow auditors. Ron Karasek will write a letter to the Board of Auditors so they are aware of the



next steps they are supposed to take. Robert Lovenheim states the Auditors' attorney should not make more than what the Board pays the township solicitor.

- b. **Engineer's Report.** Missy Hutchison states the Moove In Self Storage LDP should be submitted soon.

**MS4 Public Presentation.** Missy Hutchison presents on MS4, which is a requirement for public participation and involvement. MS4 is a DEP program that supports water quality. The township's fourth year ends on June 30<sup>th</sup> and the report is due to DEP by September 30<sup>th</sup>. Missy Hutchison discusses the minimum control measures: public education and outreach, public participation and involvement, illicit discharge and elimination, construction site stormwater runoff control, post-construction stormwater management, and pollution prevention and good housekeeping. Missy Hutchison discusses the pollutant reduction plan, pathogen reduction, and the township's stormwater management ordinance.

Jacob Pride states the new rules mandate sediment removal. Missy Hutchison replies DEP requirements for water quality are stricter than the township's, and the Eagle Valley plan has BMPs that can reduce the township's pollutant load.

## 6. New Business

- a. **Consider: Authorize Advertisement of Township Manager Ordinance.** The draft ordinance was adjusted per the last meeting and recirculated. Robert Lovenheim motions to authorize advertisement of the ordinance, Jacob Pride seconds. Vote: all in favor; motion carries.
- b. **Consider: Approve Advertisement for Marshalls Falls Park Phase 1 Bid.** Marshalls Falls Phase I is ready to bid. Jacob Pride motions to approve advertisement for the bid, Robert Lovenheim seconds. No public comment. Vote: all in favor; motion carries.
- c. **Consider: Fishing Pier Change Order No. 4.** Missy Hutchison states this change order is a time extension; substantial completion is September 30, 2022. Pioneer has been delayed because of water levels. Robert Lovenheim motions to approve Change Order No. 4, Brian Barrett seconds. No public comment. Vote: all in favor; motion carries.
- d. **Consider: Readvertising the 2022-2023 Material Bid.** The Township did not receive any bids. Brian Barrett motions to readvertise the 2022-2023 Material Bid, Jacob Pride seconds. No public comment. Vote: all in favor; motion carries.
- e. **Discuss: Draft Fence Ordinance.** Julia Heilakka summaries the changes recommended by MCPC. Brian Barrett motions to send the draft ordinance to the Planning Commissions, Jacob Pride seconds. No public comment. Vote: all in favor; motion carries.

- f. Discuss: Trail Markers for Mt. Nebo Park Update. Trail markers have gone missing and it is more efficient for the township to purchase in bulk. The Board considers purchasing additional directional signs. It will cost approximately \$2,500 in signs, and Middle Smithfield has agreed to cover half the cost. Robert Lovenheim motions to approve purchasing trail signs, not to exceed \$1,500 for the township, Brian Barrett seconds. No public comment. Vote: all in favor; motion carries.
- g. Discuss: Feral Cat Policy Update. Brian Barrett asks to discuss this at the next meeting.
- h. Consider: Offer of Employment for Budget & Finance Manager. The Board considers offering employment to Lucas DeBartolo at \$62,000 a year, paid hourly, with 19 days of paid time off. Jacob Pride motions to extend the offer, Robert Lovenheim seconds. Ron Karasek confirms this is not a motion to hire, only to provide the offer. Vote: Robert Lovenheim and Jacob Pride in favor; Brian Barrett opposed: motion carries.

7. Board of Supervisors Report

- a. Robert Lovenheim was contacted by Phil Natosi of 1836 Saloon, who is in favor of a noise ordinance. Phil and a resident met and came to an agreement over noise concerns. Any noise ordinance that the township passes should be general.
- b. Robert Lovenheim discusses the township's liability related to volunteers performing maintenance on township property. Julia Heilakka will contact the insurance carrier.

8. Bills

- a. Approve: \$72,714.93 (General Fund: \$63,118.06, Highway Fund: \$9,596.87). Robert Lovenheim motions to pay the bills, Brian Barrett seconds. No public comment. Vote: all in favor; motion carries.

9. Public Comment


- a. Ron Karasek discusses salt price increases. The Township is aware of the pending price increase and is stocking its shed before the current contract expires.

10. Brian Barrett and Robert Lovenheim motion to adjourn, Jacob Pride seconds; meeting adjourned at 6:52PM.

---

Minutes recorded by Julia Heilakka

Respectfully submitted:

  
\_\_\_\_\_  
Julia Heilakka, Assistant Secretary

# Smithfield Township's MS4 Program

(Municipal Separate Storm Sewer System)



Presentation provided by:



June 22, 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.
- Since the effective permit date, LVL Engineering Group and Smithfield Township have partnered to comply with several permit requirements including the 6 Minimum Control Measures, and sediment load and pathogen reduction.
- The Township is currently in Year 4 of the 5-Year Permit Period. Year 4 ends June 30<sup>th</sup>.

# Minimum Control Measures (MCM)

## MCM #1: Public Education and Outreach

Educational documents are posted on the Township website and in the Municipal Lobby, and are distributed through media outlets such as Facebook and the Township newsletter.

## MCM #2: Public Participation and Involvement

Volunteer opportunities are advertised through media outlets and include events such as Pick Up the Poconos and the Township's Spring Clean-Up.



# Minimum Control Measures (MCM)

## MCM #3: Illicit Discharge and Elimination

Illicit discharge education is distributed through the Township's website and media outlets.

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

Observation of outfalls are performed twice during the 5-year permit period. LVL Engineering Group performed screenings over Year 2 and during this Year 4.





# Minimum Control Measures (MCM)

MCM #4: Construction Site Stormwater Runoff Control

MCM #5: Post-Construction Stormwater Management

Township ordinances follow the PADEP Chapter 102 requirements for erosion and sedimentation controls and post-construction stormwater management.

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.



# Minimum Control Measures (MCM)

## 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

# Pollutant Reduction Plan

## Sediment Reduction

- 2,178 acres of identified Urbanized Area partly discharges stormwater to two unnamed tributaries of the Sambo Creek, and partly discharges stormwater to the Sambo Creek alone.
- The calculated sediment load is 754,282 pounds per year.
- The Township is required to reduce the existing calculated sediment load by 10% or 75,428 pounds per year.
- Current development including Vigon, Black Buffalo, and Eagle Valley Self Storage can aid in reducing the required sediment load.

# Pollutant Reduction Plan

## Pathogen Reduction

- 2,942 acres of identified Urbanized Areas partly discharges stormwater to the Brodhead Creek which drains to the Delaware River, or partly discharges stormwater to the Delaware River alone.
- Public education and monitoring potential pathogen sources can reduce the pathogens within the impaired waterways. The Year 3 report identified the following potential sources:

## Sewage

<u>Pathogen Source</u>	<u>Description</u>
Combined Sewers	Collect both stormwater and sanitary discharge in one system.
Leaking Sewers	Old or damaged public sewer infrastructure which allows for the discharge of untreated sewage
Malfunctioning Septic Systems	Malfunctioning systems discharging untreated sewage to the ground surface.
Wastewater Treatment Plans	Existing plants that treat sewage and discharge to a neighboring stream
Recreational Facilities	Potential sewage or gray water discharges from marina facilities or boats, or pathogens occurring due to swimming and the presence of pets.

Animal Waste	
<u>Pathogen Source</u>	<u>Description</u>
Manure Applications	Improper application of manure to agricultural fields can contaminate local streams.
Grazing Livestock	Isolation of livestock from riparian zones and providing bridges for channel crossing.
Large Concentrated Animal Operations	Impairment to streams can occur by improper diversion of runoff and seepage/discharge from liquid manure storage areas.
Backyard Animal Operations	Small backyard animal operations, i.e., chickens. Improper setbacks and disposal of wastes can impair streams
Pet Boarding	Improper management of waste at pet boarding facilities.
Pet Waste/Dog Parks	Failure of picking up after a pet can lead to impacts to local streams during storm events.
Wildlife	Fecal matter from wildlife can be a source of pathogens in watersheds.



# Stormwater Management Ordinance

- Include definitions for green infrastructure and low impact development.

GREEN INFRASTRUCTURE - systems and practices that use or mimic natural processes to infiltrate, evapotranspire, or reuse stormwater on the site where it is generated.

LOW IMPACT DEVELOPMENT - site design approaches and small-scale stormwater management practices that promote the use of natural systems for infiltration, evapotranspiration, and reuse of rainwater. LID can be applied to new development, urban retrofits, and revitalization projects. LID utilizes design techniques that infiltrate, filter, evaporate, and store runoff close to its source. Rather than rely on costly large-scale conveyance and treatment systems, LID addresses stormwater through a variety of small, cost-effective landscape features located onsite.

- Include the required need for a PADEP NPDES permit for the MS<sub>4</sub>.
- Include Volume Controls which will require developers to meet the NPDES requirements of groundwater recharge.

# Year 4 Report Summary

- Programs for each Minimum Control Measure including documentation of how each MCM has been satisfied.
- Provide a list of newly constructed and/or proposed Best Management Practices that can reduce the sediment load.
- Provide a list of Pollutant Control Measures including the sources of pathogens.
- Provide the Outfall Observation Reports.
- Provide proof that the Stormwater Management Report has been updated to be consistent with the 2022 model ordinance.

# 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 Detection and Elimination

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

Smithfield Township  
1632168  
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 and Year 4 reporting periods. 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 illicit discharge and that correction is required in accordance with Chapter 20, Solid Waste Disposal.
  - d. Should the illicit discharge not be corrected, the Township will take action per Chapter 20, Solid Waste Disposal.
  - e. All observations, testing results, 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 as Item 2 above.
4. All illicit discharges that may endanger users downstream, or may create pollution or danger of pollution or property damage shall 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.



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>001</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 checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 59' 22"</u>
	Longitude: <u>75° 07' 58"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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>36</b> in Top Width: <b>1080</b> in Bottom Width: <b>1080"</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.  
**n/a**

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:  
**Broadhead Creek at Delaware River.**

**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 Engineerin Group	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	08/04/2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>002 - Behind Eagle Valley Mall</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° 01' 16"</u>
	Longitude: <u>75° 10' 56"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <u>8</u> in Top Width: <u>120</u> in Bottom Width: <u>120"</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.

**Green algae on stream surface**

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.

**Green algae, floating solids and moss noted at the stagnant stream surface**

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:  
**Sambo 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/5/2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>005 - 154 Chariton Drive</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° 03' 40"</u>
	Longitude: <u>75° 11' 23"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/5/2021
Telephone No.	Date











## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>006 - Opposite 85 Chariton Drive</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° 03' 18"</u>
	Longitude: <u>75° 11' 25"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <u>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

**FIELD / LABORATORY ANALYSIS**

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

**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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/5/2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>007 - Adjacent 22 Stone Gate Drive</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° 00' 42"</u>
	Longitude: <u>75° 10' 28"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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?  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

8/6/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>008 - Adjacent 134 Kings Pond 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° 03' 19"</u>
	Longitude: <u>75° 10' 06"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <u>54</u> 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: <u>6</u> in Top Width: <u>54</u> in Bottom Width: <u>54"</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?  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 of Sambo 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

*Melissa E. Hutchison*

Responsible Official Name

Signature

(610) 419-9407

8/6/2021

Telephone No.

Date











## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>009 - 2 Windy Brook 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° 01' 43"</u>
	Longitude: <u>75° 10' 57"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 checked="" 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: <b>15</b> in Top Width: <b>120</b> in Bottom Width: <b>120"</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?  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 Sambo 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

*Melissa E. Hutchison*

Responsible Official Name

Signature

(610) 419-9407

8/6/2021

Telephone No.

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>010 - Adjacent 534 Fawn 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° 01' 25"</u>
	Longitude: <u>75° 10' 58"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <b>8</b> in Top Width: <b>756</b> in Bottom Width: <b>756"</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.

**Green algae growing at surface**

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.

**Green algae growing at the surface**



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 Sambo 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

8/6/2021

Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>011 - 2585 Milford Rd. (Bus 209)</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° 01' 31"</u>
	Longitude: <u>75° 07' 44"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <b>8</b> in Top Width: <b>756</b> in Bottom Width: <b>756"</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.

**Green algae, scum, and organic sheen**

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.

**Green algae, scum, and sheen present in areas where flow is obstructed and stagnant**

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 Marshalls 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

*Melissa E. Hutchison*

Responsible Official Name

Signature

(610) 419-9407

8/6/2021

Telephone No.

Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>012 - 410 Rescia Falls Rd. (SR 402)</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:	Latitude: <u>41° 02' 42"</u>
	Longitude: <u>75° 07' 39"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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>7</u> in Top Width: <u>408</u> in Bottom Width: <u>408"</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?  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 Marshalls 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

8/6/2021

Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>013 - 5927 Seven Bridges Rd. (S.R. 209)</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>Residential field/comm. site</b>	Latitude: <u>41° 01' 37"</u>
	Longitude: <u>75° 07' 41"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.25 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 checked="" 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>31x45</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

*Melissa E. Hutchison*

Signature

(610) 419-9407	8-6-2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>014 - 185 River 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>40° 59' 55"</u>
	Longitude: <u>75° 08' 17"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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: <b>25</b> in Top Width: <b>480</b> in Bottom Width: <b>480"</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?  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 Marshalls 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/10/2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>015 - 1104 Buttermilk Falls 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° 00' 30"</u>
	Longitude: <u>75° 07' 53"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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: <b>28</b> in Top Width: <b>480</b> in Bottom Width: <b>480"</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?  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 Marshalls 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/10/2021
Telephone No.	Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>016 - 641 Nebo 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° 00' 38"</u>
	Longitude: <u>75° 07' 19"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 in</b>
Inspector Name(s): <b>Wesley Swanson</b> <b>*Note: FES structure and top of bank separation (WS NEEDS TO CHECK IF ABOVE IS STILL TRUE)</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: <u>54</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:

**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:

**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

8/26/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>017 - 424 Seven Bridges Rd. (Snake Farm)</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° 01' 16"</u>
	Longitude: <u>75° 07' 45"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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>360</u> in Bottom Width: <u>360"</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?  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 Marshalls 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

8/10/2021

Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>018 - 398 Seven Bridges Rd. (Adj. Adventure sports)</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 checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>41° 01' 29"</u>
	Longitude: <u>75° 07' 44"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 checked="" 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>24x44</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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/10/2021
Telephone No.	Date









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. Jacob Pride, Chairman  
Smithfield Township Board of Supervisors  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**SUBJECT: SMITHFIELD TOWNSHIP MS-4 NPDES PERMIT  
YEAR 4 DRY WEATHER SCREENINGS REPORT  
PROJECT NO. 1632168**

Dear Mr. Pride,

As required by the Township's MS-4 NPDES Permit, LVL Engineering Group performed dry weather screenings of sixteen (16) observation points throughout the Township in August 2021. The observations are conducted to track any illicit discharges, ponded stormwater, or sediment and vegetation deposits that could impede stormwater flow.

Based upon our observations, no points demonstrated evidence of illicit discharges, significant ponded water, or sediment deposits.

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,

A handwritten signature in blue ink that reads "Melissa E. Hutchison".

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

MEH/tms

Enclosures

S:\2016\1632168\Documents\Reports\2022.06\_MS-4 Reporting, Year 4\MCM.#3\_Illicit Discharge, Detection, Elimination\Outfall Screenings\Twp Outfall Observation Report\2022.09.27\_Smithfield.Township.MS\_4.Screenings.docx



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>001</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 checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 59' 22"</u>
	Longitude: <u>75° 07' 58"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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>36</b> in Top Width: <b>1080</b> in Bottom Width: <b>1080"</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.  
**n/a**

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:  
**Broadhead Creek at Delaware River.**

**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 Engineerin Group	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	08/04/2021
Telephone No.	Date











## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>002 - Behind Eagle Valley Mall</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° 01' 16"</u>
	Longitude: <u>75° 10' 56"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <u>8</u> in Top Width: <u>120</u> in Bottom Width: <u>120"</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.

**Green algae on stream surface**

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.

**Green algae, floating solids and moss noted at the stagnant stream surface**

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:  
**Sambo 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/5/2021
Telephone No.	Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>005 - 154 Chariton Drive</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° 03' 40"</u>
	Longitude: <u>75° 11' 23"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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



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

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/5/2021
Telephone No.	Date













## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 4, 2021</b>	Outfall ID No.: <b>006 - Opposite 85 Chariton Drive</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° 03' 18"</u>
	Longitude: <u>75° 11' 25"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <u>15</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

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

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

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

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

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

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

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

**FIELD / LABORATORY ANALYSIS**

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

**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

8/5/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>007 - Adjacent 22 Stone Gate Drive</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° 00' 42"</u>
	Longitude: <u>75° 10' 28"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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?  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

8/6/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>008 - Adjacent 134 Kings Pond 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° 03' 19"</u>
	Longitude: <u>75° 10' 06"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <u>54</u> 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: <u>6</u> in Top Width: <u>54</u> in Bottom Width: <u>54"</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?  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 of Sambo 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

8/6/2021

Date











## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>009 - 2 Windy Brook 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° 01' 43"</u>
	Longitude: <u>75° 10' 57"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 checked="" 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: <b>15</b> in Top Width: <b>120</b> in Bottom Width: <b>120"</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?  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 Sambo 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/6/2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>010 - Adjacent 534 Fawn 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° 01' 25"</u>
	Longitude: <u>75° 10' 58"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <b>8</b> in Top Width: <b>756</b> in Bottom Width: <b>756"</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.

**Green algae growing at surface**

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.

**Green algae growing at the surface**

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 Sambo 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/6/2021
Telephone No.	Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>011 - 2585 Milford Rd. (Bus 209)</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° 01' 31"</u>
	Longitude: <u>75° 07' 44"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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: <b>8</b> in Top Width: <b>756</b> in Bottom Width: <b>756"</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.

**Green algae, scum, and organic sheen**

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.

**Green algae, scum, and sheen present in areas where flow is obstructed and stagnant**

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 Marshalls 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/6/2021
Telephone No.	Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>012 - 410 Rescia Falls Rd. (SR 402)</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:	Latitude: <u>41° 02' 42"</u>
	Longitude: <u>75° 07' 39"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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>7</u> in Top Width: <u>408</u> in Bottom Width: <u>408"</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?  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 Marshalls 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

8/6/2021

Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 5, 2021</b>	Outfall ID No.: <b>013 - 5927 Seven Bridges Rd. (S.R. 209)</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>Residential field/comm. site</b>	Latitude: <u>41° 01' 37"</u>
	Longitude: <u>75° 07' 41"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
Inspector Name(s): <b>Wesley Swanson</b>	Amount of Previous Precipitation: <b>0.25 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 checked="" 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>31x45</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

*Melissa E. Hutchison*

Signature

(610) 419-9407	8-6-2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>014 - 185 River 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>40° 59' 55"</u>
	Longitude: <u>75° 08' 17"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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: <b>25</b> in Top Width: <b>480</b> in Bottom Width: <b>480"</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?  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 Marshalls 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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/10/2021
Telephone No.	Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>015 - 1104 Buttermilk Falls 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° 00' 30"</u>
	Longitude: <u>75° 07' 53"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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: <b>28</b> in Top Width: <b>480</b> in Bottom Width: <b>480"</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?  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 Marshalls 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

8/10/2021

Date





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 26, 2021</b>	Outfall ID No.: <b>016 - 641 Nebo 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° 00' 38"</u>
	Longitude: <u>75° 07' 19"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 in</b>
Inspector Name(s): <b>Wesley Swanson</b> <b>*Note: FES structure and top of bank separation (WS NEEDS TO CHECK IF ABOVE IS STILL TRUE)</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: <u>54</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:

**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:

**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

8/26/2021

Date









## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>017 - 424 Seven Bridges Rd. (Snake Farm)</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° 01' 16"</u>
	Longitude: <u>75° 07' 45"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 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: <b>8</b> in Top Width: <b>360</b> in Bottom Width: <b>360"</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?  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 Marshalls 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

8/10/2021

Date







## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>Smithfield Township</b>	NPDES Permit No.: <b>PAI132266</b>
Date of Inspection: <b>August 9, 2021</b>	Outfall ID No.: <b>018 - 398 Seven Bridges Rd. (Adj. Adventure sports)</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 checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>41° 01' 29"</u>
	Longitude: <u>75° 07' 44"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>8-2-2021</b>
	Amount of Previous Precipitation: <b>0.25 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 checked="" 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>24x44</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:

**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	<i>Melissa E. Hutchison</i>
Responsible Official Name	Signature
(610) 419-9407	8/10/2021
Telephone No.	Date







Minimum Control Measure #4  
Construction Site Stormwater Runoff Control








**Boucher & James, Inc.**  
CONSULTING ENGINEERS

AN EMPLOYEE OWNED COMPANY  
INNOVATIVE ENGINEERING

Fountainville Professional Building  
1456 Ferry Road, Building 500  
Doylestown, PA 18901  
215-345-9400  
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)

December 2, 2021

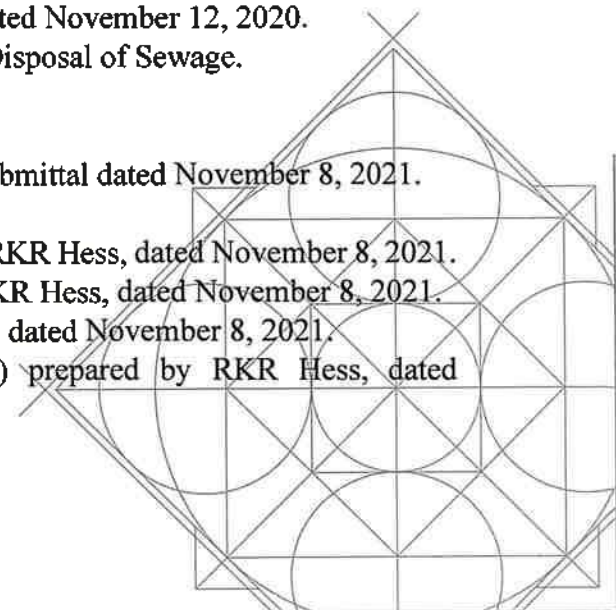
Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**SUBJECT: EAGLE VALLEY SELF STORAGE UNITS  
PRELIM/FINAL LAND DEVELOPMENT PLAN REVIEW NO. 1  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2032208R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our first review of the Preliminary/Final Land Development Plan for the above referenced project. The submitted information consists of the following items.

- Transmittal letter to Smithfield Township prepared by RKR Hess, dated November 8, 2021.
- Smithfield Township Application for Review of a Subdivision or Land Development.
- Impact Analysis prepared by RKR Hess, dated November 2021.
- Eagle Valley Self Storage Units Four Step Design Process prepared by RKR Hess, dated November 8, 2021.
- Waiver Requests prepared by RKR Hess, dated November 8, 2021.
- Wetland Report prepared by C&H Environmental, dated January 26, 2021.
- Township's Adjudication No. 2020-02, Zoning Ordinance Section 302 Determination, dated April 8, 2021.
- Letter referencing Application for Public Hearing Conditional Use Application for Approval in Floodplain, prepared by Karasek Law Offices, LLC, dated November 12, 2020.
- Site Investigation and Percolation Test Report for Onlot Disposal of Sewage.
- Property Deed, Deed Book 2430, Page Number 9065.
- Title Report.
- Monroe County Planning Commission Receipt of Plan Submittal dated November 8, 2021.
- PA DCNR PNDI Receipt dated February 16, 2021.
- PCSM Module 2 & Supporting Calculations prepared by RKR Hess, dated November 8, 2021.
- ESC Module 1 & Supporting Calculations prepared by RKR Hess, dated November 8, 2021.
- Vehicle Turning Exhibit (1 sheet) prepared by RKR Hess, dated November 8, 2021.
- Preliminary/Final Land Development Plan (15 sheets) prepared by RKR Hess, dated November 8, 2021.



## **BACKGROUND INFORMATION**

The Applicant, Vincent Trapasso, has submitted the Preliminary/Final Land Development Plan for the Eagle Valley Self Storage Units.

The existing properties are located within both Stroud and Smithfield Townships at the terminus of Skyline Drive approximately 500-feet east of its intersection with S.R. 0447, are within the R-2, Moderate Density Residential Zoning District of Smithfield Township, and have a total area of 15.37 acres. The properties consist of existing woodland and wetland areas, and stone piles. Sambo Creek and its associated 100-year floodplain traverse the existing properties.

A lot consolidation of the existing properties is proposed as a separate application and will be reviewed under separate cover.

The proposed development will include the construction of four (4) storage unit buildings having a total area of 44,400 square feet, with a 24-foot-wide driveway taking access from Skyline Drive. Stormwater management and landscaping are also proposed. A portion of the driveway is located within Stroud Township; however, the bulk of construction will occur in Smithfield Township. In addition, and per FEMA FIRM Map No. 42089C0293E, a portion of the proposed development property is located within Zone AE, with elevations, of the 100-year floodplain.

Per the Township's Adjudication Under PA Local Agency Law, In Re: Vincent & Charlie Trapasso, No. 2020-02, Zoning Ordinance Section 302 Determination, the proposed storage unit facility is permitted by conditional use in the R-2, Moderate Density Residential Zoning District. A Conditional Use for the proposed storage unit facility and its construction within the floodplain was granted by the Board of Supervisors at its meeting on November 10, 2020, with the following conditions:

1. The construction of the dwelling shall comply with all the drawings, supplementary, and supporting documents that were made part of the Applicants' Application and Exhibits; and,
2. The Applicants must file their application with the Monroe County Conservation District at the land development stage; and,
3. The Applicants must file for a National Pollutant Discharge Elimination System (NPDES) Permit at the land development stage; and,
4. All necessary SALDO waivers must be applied for (and granted) at the land development stage.
5. The project shall also comply with all Township ordinances, state and federal laws, rules and/or regulations.

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 401.1.C, the maximum permitted impervious area in the R-2, Medium Residential Zoning District on a property with on-lot sewage disposal and public water is 35%. *The proposed impervious area in square feet and/or acres, and percent, shall be listed in the Zoning Compliance Summary on the Notes & Legends plan (Sheet C.C.02).*
2. In accordance with Section 401.3.D.(2), “no development, filling, piping, or diverting shall be permitted within wetlands, except for road or utility crossings approved by the Township; where State and Federal permits have been obtained, the design represents the least possible disturbance, and no other access is available. Wetlands may also be used as part of approved sewage treatment systems and for recreational uses such as trail and golf course development. No more than forty (40%) percent of the wetlands margin area shall be developed, diverted or filled.” Wetlands Margin is defined as “that area which extends seventy-five (75) feet from the wetland boundary or to the limit of the hydric soils, whichever is greater”. *The required 75-foot wetland margin shall be shown on the plan. The proposed disturbance of the wetland margin in square feet and/or acres, and percent, shall be listed on the plan.*
3. In accordance with Section 402.7, “accessible parking spaces for disabled persons shall be provided in accordance with the Federal requirements as set forth in the Americans with Disabilities Act”. *Per the 2010 ADA Standards for Accessible Design, every six (6) or fraction of six (6) handicap parking spaces shall be van accessible. The proposed handicap parking space shall be revised to provide either an 11-foot-wide parking space with a 5-foot-wide access aisle, or an 8-foot-wide parking space with an 8-foot-wide access aisle. In addition, the handicap parking space shall be shown on the plan with the appropriate pavement markings. Associated pavement marking details shall also be provided.*
4. In accordance with Sections 403.O, 502.6.A, and 502.6.B, off-street parking areas, and areas of intensive pedestrian use shall be adequately lighted. Any lighting for exterior environments should be arranged to minimize uncontrolled light, glare, over lighting, light trespass, sky glow, and to direct light away from adjacent properties. *A proposed light is shown on the plan near the proposed office. In addition, Note 12 on the Notes & Legends plan (Sheet C.C.02) suggests lighting fixtures will also be placed on the proposed buildings and existing utility poles. A lighting plan with fixture locations, intensities, details, and notes shall be submitted.*
5. In accordance with Section 502.5.A, “a building group may not be so arranged that any permanently or temporarily inhabited building is inaccessible by emergency vehicles”. *A Vehicle Turning Exhibit has been submitted showing accessibility along the perimeter of the proposed storage buildings. This exhibit shall be provided to the fire department for review and comment.*
6. In accordance with Section 502.7.A, “tree fences or other approved landscaping features, shall be provided for screening purposes along any boundary of a commercial, planned boulevard and/or manufacturing lot which abuts an existing lot used solely for residential purposes. Minimum height and density of the screening features shall be approved by the

Board of Supervisors.” *Pin oak trees and concolor fir trees (heights of 5- to 6-feet) are proposed along the northern boundary of the project site shared with existing residential uses. The heights meet those required in Section 1101.2.A of the Subdivision and Land Development Ordinance. The Board of Supervisors shall determine if the proposed landscaping along the northern property line is adequate.*

7. In accordance with Section 502.7.B, “trees or other approved natural landscaping features, such as shrubbery, grass areas, ornamental bushes, or flower beds, shall be required in a ten (10) foot wide landscaped area along any street side property line except, at driveway opening. A four (4) foot wide landscaped area shall be required along each non-street side property line except at driveway openings. All such plantings shall be located on the site in a manner that will not interfere with traffic and safe sight vision. The maximum height of shrubbery and bushes shall be thirty-two (32) inches.” *The required 4-foot-wide landscaped area shall be shown along all existing property lines, and the Plant Schedule shall be revised accordingly.*
8. In accordance with Section 502.7.E, “where applicable, the Township may require that a covenant running with the land shall be recorded delineating the responsibility of the owner of record for maintenance and replacement to the planting”. *The Township shall determine if a covenant requiring the maintenance and replacement of landscape plantings is required.*
9. In accordance with Section 504.A, “after the effective date of this Chapter and except as otherwise herein provided, no person shall erect any sign as defined herein without first obtaining a zoning/building permit therefor from the Zoning Officer”. *A note to this effect shall be placed on the plan.*

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

10. In accordance with Section 602.G, “the applicant/developer shall notify all abutting property owners of the proposed development. This notification shall contain a statement as to the size and scope of the proposed project and the date of the first Planning Commission review of the project. Said notice shall be sent to the mailing address of the abutting property owners as shown on the tax rolls of the Township. A list indicating the names and addresses of the people notified as well as a copy of the letter sent, a certification with “return receipt requested” indicating that the letters had been sent, shall be submitted to the Township.” *Notices shall be sent to abutting property owners, and the list of property owners with certification shall be provided to the Township.*
11. In accordance with Section 603.C.2.(j), the Site Context Map shall include the “names of owners of all properties and the names of all subdivisions” within 1,000-feet of the project site. *Only the abutting property owners are listed on the plan. The Applicant is requesting a waiver of this requirement. The submitted justification indicates that showing all property owners would make the Site Context Map difficult to read. Due to the nature of the project, we have no objection to this request.*



12. In accordance with Section 603.D.8, the Existing Resource and Site Analysis Plan shall include “contours at vertical intervals of two (2) feet”. *The existing contours are unclear and shall be labeled with elevations on all plan sheets for clarity.*
13. In accordance with Section 603.D.10, “if aerial photography is used in the preparation of a plan the name of the company producing the aerial information and date the aerial photography was flown shall be provided on the plan. If significant man-made or natural activities, as identified by the Township Engineer, has changed the land since the date of the aerial additional/revised aerial photography will be required.” *The source of the aerial photography shall be listed on the Existing Resource and Site Analysis Plan (Sheet C.EX.01).*
14. In accordance with Section 603.D.13, “the applicant/developer shall furnish on appropriate maps or other documents all natural features including all natural features defined and regulated by the Township Zoning Ordinance [Chapter 27], areas of boulder fields, and rock outcroppings. All applications shall include maps showing the location of the resources together with area calculations. The amounts and percentages of resources on the site, resources to be disturbed and resources to be preserved shall be shown on the plan graphically and in a chart form. The applicant/developer, as part of the preliminary plan shall submit to the Township a proposal to preserve, to the extent possible the natural features which would be desirable to leave intact.” *The areas in square feet and/or acres of the existing 100-year floodplain, wetlands, and wetlands margin shall be listed on the Existing Resource and Site Analysis Plan (Sheet C.EX.01).*
15. In accordance with Section 603.D.13.(d), the plan shall include “the soil classifications, hydraulic soil classification and boundary lines of all soils located on the tract with specific reference to any alluvial soils boundary. Soil descriptions for all soil types shall be provided and any building restrictions due to wet soils, seasonally high-water table or other restrictions shall be provided on the plans.” *The soil report provided in ESC Module 1 & Supporting Calculations does not include all soils existing on the project site and shown in plan view. The soil report shall be revised. In addition, the existing soils shall be delineated on the Off-Site Drainage Area Map provided in ESC Module 1 & Supporting Calculations.*
16. In accordance with Section 603.D.13.(h), “wetlands shall be defined by metes and bounds”. *The existing wetlands shall be shown with metes and bounds on the Existing Resource and Site Analysis Plan (Sheet C.EX.01).*
17. In accordance with Section 603.E, a Resource Impact and Conservation Analysis shall be submitted. *The analysis shall include the areas of existing natural resources (Sambo Creek, 100-year floodplain, wetlands, wetlands margin, wetland buffers, and stream buffer) with the proposed disturbance, if any, of each. This information may be placed on the Existing Resource and Site Analysis Plan (Sheet C.EX.01) under the heading Resource Impact and Conservation Analysis.*
18. In accordance with Section 603.G.2, the Preliminary/Final Plan shall include “building

setback lines established by zoning or other ordinances or deed restrictions with distances from the right-of-way line. Building setback lines from floodplains, water features and wetlands shall be shown as chords and defined by metes and bounds. Building setback lines shall be truncated where an easement, buffer, or right-of-way is proposed which would limit the ability of future homeowners from building.” *The building setback lines are shown running through the existing 100-year floodplain and wetlands. The building setback lines shall be revised to stop at and run parallel to these existing features. The building setback lines along these features shall also be shown with metes and bounds as required.*

19. In accordance with Section 603.G.11, the Preliminary/Final Plan shall include “the location of proposed monuments”. *Monumentation shall be provided per Section 1025.*
20. In accordance with Section 603.G.13, “for all subdivision or land developments, except for single-family detached residential, the size and arrangement of buildings and parking areas, along with any length, area, ratio, number, or other physical characteristic referred to in the Smithfield Township Zoning Ordinance [Chapter 27], as amended, shall be dimensioned or indicated on the plan. Turning movement diagrams shall be provided to demonstrate that the largest truck or emergency vehicle servicing the development can safely and conveniently navigate the proposed roads, drives, parking and loading areas.” *The submitted Turning Movement Exhibit shall be provided to the fire company for review and comment.*
21. In accordance with Section 603.G.15, “a lighting plan in accordance with the requirements of this Chapter and the Smithfield Township Zoning Ordinance [Chapter 27] shall be submitted”. In addition, and per Sections 1020 and 1024.18, all parking lots, multifamily developments and nonresidential developments shall be adequately lighted during after-dark operating hours. All light standards shall be located within landscaped islands and be freestanding on secure bases and not on the parking surfaces. *A proposed light is shown on the plan near the proposed office. In addition, Note 12 on the Notes & Legends plan (Sheet C.C.02) suggests lighting fixtures will also be placed on the proposed buildings and existing utility poles. A lighting plan with fixture locations, intensities, details, and notes shall be submitted.*
22. In accordance with Sections 603.G.17 and 1302.1.E, a soil erosion and sediment control plan and design basis of surface and subsurface drainage for protection against soil erosion during and after the construction period shall be provided. The plan shall include all grading and facilities proposed to control soil erosion and sedimentation during construction and proposed detention/retention facilities, in conformance with all applicable Pennsylvania Department of Environmental Protection and United States Soil Conservation Service regulations. A satisfactory letter shall be required from the Monroe County Conservation District on the soil erosion and sedimentation control plan prior to land development approval. *Disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit is required. Upon receipt, the permit shall be provided to the Township. The following comments are related to our review of the ESC Plan, Notes, and Details on Sheets C.ES.01, C.ES.02, C.DES.01, and*

- C.DES.02. The plans shall be revised accordingly.*
- a. Silt sock should be placed along the northern property line (below the staging area and areas of grading to promote positive flow around improvements).*
  - b. The proposed construction fence does not include all of Basin 1 (as labeled on Sheet C.ES.01) and the plan should be revised.*
  - c. The labels for Basin 1 and Basin 2 are not consistent between the plan view on the Sheet C.ES.02, and the Construction Sequence on Sheet C.DES.01.*
  - d. The Rock Filter No. in Standard Construction Detail #4-14, Rock Filter, does not appear correct and should be revised.*
23. In accordance with Sections 603.G.19, 1405.2.B, and 1405.5, if public sewer facilities are not available, the applicant/developer shall provide for sewage disposal on an individual lot basis according to the rules, regulations, terms, definitions and conditions of the individual sewage disposal system application and certification procedure for Monroe County, Pennsylvania. No final plan shall be approved for any subdivision or land development until satisfactory evidence has been presented by the applicant/developer to the Township that the SEO and/or the Pennsylvania Department of Environmental Protection have determined that the lots proposed for subdivision are generally suitable for on-lot septic systems. *The required approvals from the Pennsylvania Department of Environmental Protection for the proposed on-lot sewage disposal facility shall be obtained and provided to the Township upon receipt.*
24. In accordance with Section 603.G.21, the Preliminary/Final Plan shall include “a statement or certificate by the applicant/developer indicating that, to the best of his or her knowledge, the plans are in conformity with engineering, zoning, building, sanitation and other applicable Township ordinances and regulations and, if they are not so conforming, detailing the areas of nonconformance and the reasons for requesting a modification to the Township standards”. *The required statement shall be provided on the plan.*
25. In accordance with Sections 603.G.24, 703.D, 703.D.2, and 1401.3, the applicant/developer shall supply to the Township a statement from a registered engineer detailing the demands that the proposed development will have on the existing public sanitary sewer and public water systems within the Township. The applicant/developer shall provide a fully executed reservation agreement or similar approval for the proposed water service” *Public water service is proposed. A will serve letter and fully executed reservation agreement from the Brodhead Creek Regional Authority shall be provided to the Township upon receipt.*
26. In accordance with Section 603.G.27, “if land to be subdivided lies partly in another municipality, the applicant/developer shall submit information concerning the location and design of streets, layout and size of lots and provision of public utilities on lands subject to this control within the adjoining municipalities. Evidence of review of this information by

appropriate officials of the adjoining municipalities shall also be submitted.” *A portion of the project site is located within Stroud Township. The Applicant shall submit the proposed development to Stroud Township, and provide correspondence received from Stroud Township with subsequent submissions.*

27. In accordance with Sections 603.H.3.(a)(1) and 603.H.3.(a)(2), Storm Drains and Sanitary Sewers, Horizontal Plan, the plan shall include the “location and size of line with stations corresponding to the profile” and the “location of manholes or inlets with grade between and elevation of flow line and top of each manhole or inlet”. *The size of the proposed storm sewer pipe, and the top of grate elevations, shall be provided on the PCSM Plan (Sheet C.PC.02).*
28. In accordance with Section 603.H.3.(a)(7), Storm Drains and Sanitary Sewers, Horizontal Plan, the plan shall include the “hydraulic design data for culverts, subsurface drains and/or bridge structures”. *The following comments are based upon our review of the Storm Sewer Tabulation provided in ESC Module 1 & Supporting Calculations. The tabulation shall be revised accordingly.*
  - a. *The time of concentration utilized for 1-3 (line 19) is zero (0) and should be revised to be 5 minutes.*
  - b. *The inverts down utilized at 1-11-3, 1-11-2, and 1-11, and the inverts up utilized at 1-11-2, 1-11-1, and 1-11 in the Storm Sewer Tabulation are inconsistent with those listed in the Storm sewer Profile CB 1-11-6 to CB 1-11. The tabulation or profile shall be revised.*
29. In accordance with Section 603.H.3.(b)(2), Storm Drains and Sanitary Sewers, Profile, the plan shall include a “profile of storm drain and subsurface drains or sewer, showing type and size of pipe, grade, cradle, manhole and inlet locations”. *The sump elevations at CB 1-11 and CB 1-5 shall be listed in the respective profiles on Sheet C.PR.01.*
30. In accordance with Section 1002.C.(1), “healthy woodlands exceeding one (1) acre shall be preserved and designated as conservation open space areas, to the maximum extent possible. Proposed site improvements shall be located, designed, and constructed to minimize the loss or degradation of woodland areas.” *The existing woodlands to remain are located within the existing wetlands and/or the wetland buffer. These areas shall be designated as conservation open space.*
31. In accordance with Section 1005, “wherever a central or public water supply system serves a development, provision shall be made for fire hydrants along streets or on the walls of nonresidential structures as approved by the Fire Company servicing the development in accordance with all prescribed State and county standards”. *The plan shall be provided to the fire department for review and comment.*
32. In accordance with Section 1015.4, “sidewalks shall be constructed of four (4) inch depth of Class A Air Entrained four thousand (4,000) psi concrete on a four (4) inch depth 2B

- stone base. A concrete sealant/curing compound shall be applied to all sidewalk to aid in curing and protect the concrete.” *The type of concrete of the sidewalk shall be specified in the Depressed Curb with Sidewalk detail on the Site and Utility Details plan (Sheet C.DS.01).*
33. In accordance with Sections 1015.5 and 1024.6, “sidewalks and walkways adjacent to parking areas shall be set back a minimum of five (5) feet to prevent car overhang from restricting pedestrian movement along the sidewalk”. In addition, “parking lots shall be separated from buildings by a minimum distance of ten (10) feet or more”. *A separation of 5-feet between the proposed parking spaces and 5-foot-wide sidewalk (10-feet between the parking spaces and building) shall be provided for compliance with both Sections.*
  34. In accordance with Section 1019.2, “all utilities shall be placed underground...” *A note to this effect shall be provided on the plan.*
  35. In accordance with Section 1026.1, “outdoor collection stations shall be provided by applicant/developer for garbage and trash and for recyclable materials when individual collection is not made, and indoor storage is not provided. Stations shall be provided in all zoning districts except those devoted solely to single-family detached dwellings.” *The collection of refuse, and the location of a dumpster pad, shall be addressed and/or shown on the plan with the associated details.*
  36. In accordance with Sections 1101.1.F.(2)(d)(1) and (2), “a fence must be provided around all detention or retention basins”. “Fencing shall be four (4) foot-high split rail fencing (three (3) rail) with vinyl (PVC) coated wire mesh on the outside of the rails or other impassible barrier as approved by the Township Supervisors”. *A 4-foot-high chain link fence is provided around Basin 2 (southerly basin on Sheet C.S.01). Split rail fence shall be provided. In addition, a split rail fence shall also be provided around Basin 1 (westerly basin on Sheet C.S.01).*
  37. In accordance with Section 1101.1.F.(2)(e)(1), “there shall be a minimum of one (1) shade tree and three (3) shrubs proposed for every thirty (30) linear feet of stormwater management facility perimeter”. *The perimeter plantings for Basins 1 and 2 considers the existing woodlands as the buffer. Section 1102.1 states, “where existing vegetation exists which can meet the objectives of the buffer requirements, it shall be preserved and may be used to meet the buffer and planting requirements. Quantities, size, species, and locations of existing materials must be shown on plans and verified by the Township Engineer.” The calculations presented on the Landscape Plan (Sheet C.L.01) that utilize the existing woodlands as a buffer are acceptable. However, the plantings provided for Basin 1 (as labeled on Sheet C.L.01) shall be shown along the entire perimeter of the basin less the existing woodlands. Additionally, we believe shrubs should be intermixed with the trees at Basin 2 (as labeled on Sheet C.L.01).*
  38. In accordance with Section 1101.1.F.(2)(e)(3), “no shrub or tree plantings shall be placed on the top of the berm or within the spillway or the path of the spillway”. *Trees and shrubs are shown within the path of the spillway at Basins 1 and 2. The trees and shrubs shall be*



*relocated.*

39. In accordance with Section 1101.1.F.(2)(f), Open Space and Stormwater Management Areas. “Slopes.
- 1) Slopes associated with stormwater management facilities shall be planted with an appropriate seed mix or perennial mix, in accordance with the type of facility proposed.
  - 2) On slopes of less than fifteen percent (15%), a naturalized mixture of meadow grasses and wildflowers is recommended.
  - 3) On slopes of fifteen percent (15%) or greater, a naturalized herbaceous ground cover is recommended. If ground covers are to be seeded, a nurse crop such as annual rye shall be planted to provide cover while the permanent plants become established.”

*The proposed seeding of the basin and rain garden side slopes shall be clearly shown, labeled, and detailed on the plan.*

40. In accordance with Section 1101.1.F.(2)(i), “rain gardens shall be landscaped in accordance with the PA DEP Stormwater Best Management Practices Manual, in addition to any other plantings required by this Chapter”. *The proposed rain gardens shall be landscaped per BMP 6.4.5: Rain Garden/Bioretenion Basin in the Pennsylvania BMP Manual. The Landscape Plan (Sheet C.L.01) shall be revised, and associated details and notes shall be provided.*
41. In accordance with Sections 1103.5.A and 1103.5.C, “the tree protection area that is delineated on the site prior to construction shall conform to the approved development plans”. “A forty-eight (48) inch high snow fence or other suitable fence, mounted on steel posts located eight feet on center, shall be placed along the boundary of the tree protection area.” *Tree protection fencing shall be shown on the Landscape Plan (Sheet C.L.01) and ESC Plans (Sheets C.ES.01 and C.ES.02), and a detail shall be provided. The installation of tree protection fencing shall also be included in the Construction Sequence on the ESC Notes (Sheet C.DES.01).*
42. In accordance with Section 1301.5.D, “the Board of Supervisors may require the applicant/developer to provide a permanent drainage easement along any watercourse located within or along the boundary of any property being subdivided or developed. The required width of any such easement shall be determined by determining the extent of the width of flow from a fifty (50) year twenty-four (24) hour design storm or as determined by one (1) of the following: United States Army Corps of Engineers, Pennsylvania Department of Environmental Protection or other public agency having jurisdiction. The purpose of the easement is to maintain the free flow of the watercourse. The applicant/developer will retain the easement until such time as one (1) of the following is accomplished:

- (1) The easement is offered for dedication by the applicant/developer and accepted by the Township.
- (2) If an easement required by the Township is established, but not to be dedicated, the maintenance shall then be the responsibility of the individual lot owners through whose property the easement passes. For land developments, the maintenance shall then be the responsibility of the applicant/developer.
- (3) A homeowners' association or their legal entity approved by the Township assumes responsibility for the maintenance of the development, including the easements.

*The Board of Supervisors should consider requiring the Applicant to place and offer for dedication, a permanent drainage easement along Sambo Creek. If the Township accepts the permanent drainage easement, the Township then has the authority to enter the project site to maintain Sambo Creek as needed for the MS-4 program and/or other purposes.*

43. In accordance with Section 1301.6.B.(3), "the maximum draw down time for stormwater management facilities shall be seventy-two (72) hours". *Empty time calculations in support of the proposed basins and rain gardens shall be submitted.*
44. In accordance with Section 1301.6.B.(6), "all discharge points for stormwater management facilities shall be located so as to direct water to a defined drainage channel or storm sewer system, with sufficient capacity to handle the peak discharge from the stormwater management facility as well as the peak runoff from all other contributing areas on and off site". *Proposed Basin 1 (as labeled on Sheet C.PC.02) discharges through the spillway and toward the northwestern property line. The discharge is not directed immediately toward Sambo Creek or a defined drainage channel or storm sewer. We question the location of the proposed discharge and whether the spillway can be relocated along the western berm and toward the existing wetlands and Sambo Creek, both of which are located on the project site.*
45. In accordance with Section 1301.6.F, "access to [stormwater management] facilities shall be provided for maintenance and operation. This access shall be twenty (20) feet wide and shall be cleared, when possible, to a minimum width of ten (10) feet. Multiple accesses are encouraged for major facilities. The applicant/developer shall provide driveways, curb depressions, sidewalk aprons and all easements and rights-of-way for access to stormwater management facilities." *A stormwater management easement including the proposed rain gardens, basins, and storm sewer shall be provided from a public right-of-way to permit the Township access to the property for the inspection, maintenance, repair, and/or replacement of the stormwater management facilities and storm sewer should the property owner fail to do so, and at no cost to the Township. The stormwater management easement shall be shown on the plan with a note to this effect. Alternatively, a blanket easement may be provided by a similar note on the plan.*
46. In accordance with Section 1301.7.A, "a stormwater collection system with capacity for the fifty (50) year storm shall be provided to carry run-off to a stormwater management

facility. When the capacity of the storm drainpipe is exceeded an overflow system shall have sufficient capacity to carry the run-off difference between the one hundred (100) year storm peak flow rate and the capacity of the storm drainpipe system". *Storm sewer calculations for the 25-year storm event were provided and must be revised. The proposed storm sewer collects and conveys stormwater toward the proposed basins which are designed for the 100-year storm event. Therefore, storm sewer capacity calculations for the 100-year storm event shall be provided. Also refer to Comment 73.*

47. In accordance with Section 1301.7.M, "any vegetated drainage channel requiring mowing of the vegetation shall have a maximum grade of four (4) horizontal to one (1) vertical on those areas to be mowed". *Proposed Swale 1 is shown having a two (2) to one (1) side slope. The plan shall be revised to provide a four (4) to one (1) side slope or notes related to mowing activities shall be provided on the plan.*
48. In accordance with Section 1302.1.D, "final plans for minimizing erosion and sedimentation as approved will be incorporated into the Agreement and Financial Securities requirements as required by the Township". *The construction cost estimate shall include the required erosion and sedimentation controls.*
49. In accordance with Section 1302.3.B, "all land within a development shall be graded to drain and dispose of surface water without ponding, except where ponding in detention basins is part of the storm water management plan for the site". *To ensure positive grading is accomplished, spot elevations shall be provided along the northern and eastern (along the proposed driveway) property lines where it is noted to "grade to promote positive flow around improvements".*
50. In accordance with Section 1302.3.D, "edges of slopes shall be a minimum of five (5) feet from property lines or right-of-way lines in order to permit the normal rounding of the edge without encroaching on the abutting property". *Proposed grading is shown closer than five (5) feet to the property lines. The grading shall be revised, or a waiver will be required. As discussed in Comment 54 below, we would have no objection to this request provided the existing property line is identified in the field. If a waiver is requested and granted, a note to this effect will be required on the plan.*
51. In accordance with Section 1302.3.H, "in general, swales for surface runoff shall have a minimum slope of two percent (2%)". *Swale 1 is proposed at a 1% slope, and it appears the grading can be revised to provide a minimum 2% slope. The plan should be revised.*
52. In accordance with Section 1302.4.A, "no excavation or fill shall be made with a face or surface slope steeper than three (3) horizontal to one (1) vertical unless a retaining wall or other soil retention method, constructed in accordance with approved standards, is provided to support the face or surface slope of said excavation or fill". *Areas of grading are proposed at a two (2) to one (1) slope and shall be revised.*
53. In accordance with Section 1302.4.C, "all retaining walls greater than four (4) feet shall require an engineered drawing signed and sealed by a Professional Engineer". *Eight (8)*

*foot high retaining walls are shown in the Proposed Box Culvert Profile on Sheet C.PR.01. In addition, another retaining wall is shown near the proposed driveway access to Skyline Drive. Spot elevations at and details for the proposed retaining walls, with a note requiring engineered drawings signed and sealed by a Professional Engineer, shall be provided on the plan.*

54. In accordance with Section 1302.4.D, “cut and fill shall not endanger adjoining property. All the outermost limits of all cuts and fills shall be a minimum of ten (10) feet from adjacent property lines. Where retaining walls greater than four (4) feet in height are proposed the face of such retaining wall shall be a minimum of ten (10) feet from all property lines. Retaining walls greater than six (6) feet shall be designed as a tiered wall with a minimum width of four (4) feet between walls.” *Proposed grading at the culvert replacement, and along portions of the northwestern and southeastern property lines, is located closer than 10-feet to the existing property lines. Existing commercial properties exist near the culvert replacement, and woodlands exist along the northwestern and southeastern property lines. The Applicant is requesting a waiver to permit proposed grading closer than 10-feet to the property lines. We have no objection to this request; however, the affected property lines shall be located in the field. A note to this effect shall be placed on the plan.*

*In addition, retaining walls are proposed. The plan shall be revised to provide spot elevations, details, and notes in support of the proposed retaining walls. Also refer to Comment 53.*

55. In accordance with Sections 1503 and 1504, “no plan shall receive final approval unless the streets shown have been improved to a permanently passable condition, or improved as may be required by this Chapter, and any walkways, bikeways, curbs, gutters, streetlights, fire hydrants, shade trees, landscaping, parking lots, line striping, stormwater management facilities, erosion and sedimentation control measures, water mains, sanitary sewers, storm drains and other improvements as may be required by this Chapter or the Smithfield Township Zoning Ordinance [Chapter 27] have been installed. In lieu of the completion of any improvements, the applicant/developer shall furnish to the Township financial security with such surety as the Board of Supervisors shall approve, in an amount sufficient to cover the costs of any improvements which may be required. Such financial security shall provide for and secure to the public the completion of any improvements which may be required on or before the date fixed in the formal action of approval or accompanying agreement for completion of improvements. The amount of financial security to be posted for completion of the required improvements shall be equal to one hundred ten percent (110%) of the cost of completion estimated as of ninety (90) days following the date of scheduled for completion by the applicant/developer. Annually, the Township may adjust the amount of the financial security 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 ninetieth (90th) day after either the original date scheduled of completion or a rescheduled date of completion. Subsequent to said adjustment, the Township may require the applicant/developer to post additional security in order to assure that the financial security equals said one hundred ten percent (110%). Any additional

security shall be posted by the applicant/developer in accordance with this Section.” *A construction cost estimate shall be provided for review prior to plan recordation.*

56. In accordance with Section 1506.2, “the following is a list of items required for as-built drawings. Please note that additional items may be required on a case-by-case basis. Water and sewer as-built drawings should be coordinated with the respective authorities. The as-built plans shall consist of the original plans with design information struck with as-built information placed next to design information. If revised topography is needed due to a significant change in grade (+/-one-half (0.5) feet), the revised topography should be shown in a matter to distinguish it from design topography. The following items shall be provided on the as-built drawings:
- A. Storm sewer, including revised topography for basin/bmps (if needed), basin/bmp berm height and width, outlet structure elevations, emergency spillway elevation and length, basin/bmp volume calculations, storm pipes and inlets (including pipe size, slope, inverts, grate elevations), and location of all BMPs including snouts, bottomless inlets, depressed landscape islands, infiltration trenches, porous pavement, etc.
  - B. Light pole locations.
  - C. Sidewalk locations (if they are different from design).
  - D. Street/traffic signs.
  - E. Road elevations, layout, and striping (if intersections have been revised significantly revised, sight distance may be required).
  - F. Parking spaces including handicap spaces and access points.
  - G. Retaining wall locations and elevations.
  - H. Property corners/markers with surveyor’s certification.
  - I. Building Locations with tie distances to property lines.
  - J. Utility location in association with easements (i.e., is the utility centered on the easement, etc.).
  - K. Field changes not included elsewhere on this list.
  - L. Other information as deemed necessary by the Township Engineer depending on site conditions.

*A note requiring an as-built plan in accordance with Section 1506.2 of the Subdivision and Land Development Ordinance shall be provided on the plan.*



### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

57. In accordance with Section 221.6, “where a development site is traversed by existing watercourses, drainage easements (for natural and artificial watercourse) shall be provided conforming to the line of such watercourses. The terms of the easement shall conform to the stream buffer requirements (for natural watercourses) contained in §223(I)(6) of this Part.” *The Board of Supervisors should consider requiring the Applicant to place and offer for dedication, a permanent drainage easement along Sambo Creek. If the Township accepts the permanent drainage easement, the Township then has the authority to enter the project site to maintain Sambo Creek as needed for the MS-4 program and/or other purposes. Also refer to Comment 42.*
58. In accordance with Section 221.8, “any stormwater management facilities regulated by this Part that would be located in or adjacent to waters of the Commonwealth or wetlands shall be subject to approval by DEP through the joint permit application process, or, where deemed appropriate by DEP, the general permit process. When there is a question whether wetlands may be involved, it is the responsibility of the applicant to show that the land in question cannot be classified as wetlands, otherwise approval to work in the area must be obtained from DEP”. *The 100-year floodplain traversing the project site has a base flood elevation of 451. Proposed Basin 2 (as labeled on C.PC.02) and Rain Gardens 3 and 4 are located within the 100-year floodplain. The proposed spillway of Basin 2 is 450.3 and there is concern that the flood waters will enter the basin and the basin will not function as intended. In addition, Rain Gardens 3 and 4 have berm elevations of 450.0 and 449.0, respectively, therefore the rain gardens will not function as intended during a 100-year flood event. The Applicant shall address.*
59. In accordance with Section 221.11, “roof drains shall not be connected to streets, sanitary or storm sewers or roadside ditches in order to promote overland flow and infiltration/percolation of stormwater where advantageous to do so. Considering potential pollutant loading, roof drain runoff in most cases will not require pretreatment”. *The proposed roof drains shall be shown on the plan in accordance with this Section or a waiver will be required.*
60. In accordance with Sections 221.12, 223.E, 224.A.2.(d), and 227.2, all stormwater runoff, other than roof top runoff discussed in subsection (11) above, shall be treated for water quality prior to discharge to surface or groundwater. *Sumps are provided at inlets CB 1-5 and CB 1-11. The Applicant shall indicate whether snouts or other water quality devices will be provided at these inlets, and associated details shall be provided on the plan.*
61. In accordance with Section 223.A, “for water quality and streambank erosion, the applicant shall design a water quality BMP to detain the proposed conditions two (2) year, twenty-four (24) hour design storm to the existing conditions one (1) year flow using the SCS Type II distribution. The applicant shall demonstrate that applicant has made provisions (such as adding a small orifice at the bottom of the outlet structure) so that the one (1) year storm takes a minimum of twenty-four (24) hours to drain from the facility from a point where the maximum volume of water from the one (1) year storm is captured (i.e., the maximum

water surface elevation is achieved in the facility). At the same time, the applicant shall not attenuate the larger storms in “no detention” areas (District C) only. This can be accomplished by configuration of the outlet structure not to control the larger storms, or by a bypass or channel to divert only the two (2) year flood into the basin or divert flows in excess of the two (2) year storm away from the basin.” *A waiver is requested from Section 223.A to permit the post development 2-year storm event to be reduced to the predevelopment 2-year storm event (not the 1-year storm).*

*It appears Discharge Point 1 meets the required reduction (2-year post to 1-year pre). The post development peak flows of Total DP001 (including the proposed basins and rain gardens) for the 2-year storm (0.18 cfs) is reduced to below the predevelopment peak flow for the 1-year storm (2.30 cfs). The peak flow chart provided in PCSM Module 1 & Supporting Calculations should be revised accordingly. Should the Applicant believe a waiver for Discharge Point 1 is still required, additional information/clarification shall be provided as discussed above.*

*Discharge Point 2 does not meet the required reduction; however, the 2-year post development storm is reduced to below the 2-year predevelopment storm. Proposed grading is located within Discharge Point 2 and the discharge is directed as sheet flow toward existing woodlands. We have no objection to this request for Discharge Point 2.*

62. In accordance with Section 223.I.1.(d)(1)(a), the permitted activities within the inner wetland buffer shall be “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP and passive unpaved stable trails shall be permitted. No other earth disturbance, grading, filling, buildings, structures, new construction, or development shall be permitted.” *Proposed grading, Rain Garden 4, and a portion of the proposed driveway, are located within the 50-foot inner wetland buffer. A waiver is requested from Section 223.I.1.(d)(1)(a) to permit the proposed improvements within the inner wetland buffer.*

*The request indicates that 0.16 acres, or 5%, of the total 3.12-acre inner wetland buffer is proposed to be disturbed for the proposed driveway and associated grading. The calculation shall also include proposed Rain Garden 4 and its associated grading, and the justification shall be revised. The justification further states that the layout of the project site eliminates the need to cross existing wetlands and to obtain permits from the Pennsylvania Department of Environmental Protection. We would have no objection to this request.*

63. In accordance with Section 223.I.1.(d)(2)(a), the permitted activities within the outer wetland buffer shall be “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP, roads constructed to existing grade, unpaved trails, and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted provided no buildings are involved, and those activities permitted under §§223(I)(5) and 223(I)(6)”. *Proposed grading, Basins 1 and 2, Rain Gardens 3 and 4, the proposed driveway, and project site including parking,*

*driveways, and buildings, are located within the 100-foot outer wetland buffer. A waiver is requested from Section 223.I.1.(d)(2)(a) to permit the proposed improvements within the outer wetland buffer.*

*Per Section 223.I.1.(d)(2)(b), "no more than twenty (20%) percent of the cumulative outer buffer on the subject parcel shall be altered by the activities permitted in accord with §223(I)(2)(d)2". The request indicates that 1.58 acres or 32% of the outer wetland buffer is proposed to be disturbed. The request also indicates that only 35% of the project site is not restricted by existing natural features. In accordance with Section 223.I.5, "in the case of legally pre-existing lots (approved prior to the effective date of this Part) where the useable area of a lot lies within an outer buffer area, the applicant shall obtain a waiver from the Board of Supervisors in accordance with Part 2H". We have no objection to this request.*

64. In accordance with Section 223.I.3.(a)(2)(a), the permitted activities within the outer stream buffer shall be "stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, agricultural activities, plant nurseries, parking lots constructed to existing grade, temporary fairs and carnivals, accessory uses for residential purposes, private sportsmen's club activities, athletic facilities, orchards, wildlife sanctuaries, boat launch sites, roads constructed to existing grade, stream crossings permitted by DEP and unpaved trails and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted, provided no buildings are involved". *Proposed Rain Gardens 1 and 2 with associated grading are proposed within the 100-foot outer stream buffer. A waiver is requested from Section 223.I.3.(a)(2)(a) to permit the proposed improvements within the outer stream buffer.*

*Per Section 223.I.3.(a)(2)(b), "in areas of the outer buffer which are not wetlands, vernal ponds, or slopes of more than fifteen (15%) percent, stormwater management facilities which improve water quality of storm- water discharge shall be permitted unless prohibited by other Township or state requirements. No other earth disturbance, grading, filling, buildings, structures, new construction, or development shall be permitted".*

*The request indicates that only 0.02 acres, or 0.5%, of the 100-foot outer stream buffer is proposed to be disturbed. We do not believe this waiver is required for the proposed rain gardens. The request shall be removed from the Waiver Requests on Sheet C.C.02 and the waiver request letter.*

65. In accordance with Section 224.A.2.(a), "a minimum depth of twenty-four (24) inches between the bottom of the BMP and the limiting zone" is required. *The limiting zones at Basin 1 (as labeled on Sheet C.PC.02) and Rain Gardens 3 and 4 are less than 2-feet below the proposed bottom of the stormwater management facilities, and the facilities shall be revised.*
66. In accordance with Sections 224.A.2.(b) and 224.A.2.(c), "an infiltration and/or percolation rate sufficient to accept the additional stormwater load and drain completely as

determined by field tests conducted by the applicant's design professional" is required. "The recharge facility shall be capable of completely infiltrating the recharge volume within four (4) days". *Infiltration is not utilized in the pond reports for Basin 1, Rain Garden 3, or Rain Garden 4. In addition, the test results at Rain Gardens 3 and 4 are not sufficient to empty the rain gardens within four (4) days. It is also noted that the testing is located outside of the rain gardens (approximately 30-feet away). Additional testing should be completed to determine the available infiltration at the location of the proposed rain gardens and/or soil media shall be provided. If soil media is provided, a note shall be placed on the plan indicating that post construction testing of the soil shall be completed to confirm infiltration rates and ensure the constructed rain gardens and basin meet the approved design.*

67. In accordance with Section 224.B.2, "provide site-specific infiltration test results (at the level of the proposed infiltration surface) in accord with ASTM Guide No. D 5126 to determine the appropriate hydraulic conductivity rate". *The test conducted at Location SB-1 in Basin 1 (as labeled on Sheet C.PC.02) was not completed at the bottom of the infiltration basin, nor was it conducted in the same soil horizon. Additional testing is required.*
68. Per the Watershed District Map, the project site is located within the C, Provisional Direct Discharge District. In accordance with Table 225.1, "development sites which can discharge directly to the main channel or major tributaries or indirectly to the main channel through an existing stormwater drainage system (i.e., storm sewer or tributary) which meets the "Downstream Hydraulic Capacity Analysis" in §225(8) and is shown by the design professional to not cause a downstream problem, may allow an increase in flow as long as no downstream farm is demonstrated. However, sites in District C shall comply with the criteria for water quality and streambank erosion (§223; and groundwater recharge (§224). If the proposed conditions runoff is intended to be conveyed by an existing stormwater drainage system to the main channel, assurance must be provided that such system has adequate capacity to convey the increased peak flows or will be provided with improvements to furnish the required capacity. When adequate capacity of the downstream system does not exist and will not be provided through improvements, the proposed conditions peak rate of runoff must be controlled to the existing conditions peak rate as required in District A provisions (i.e., 10-year proposed conditions flows to 10-year existing conditions flows) for the specified design storms." *The discharge from Basin 1 (as labeled on Sheet C.PC.02) is proposed through a spillway and is directed to the northwestern property line and adjoining property. The discharge through the spillway is not directed immediately toward Sambo Creek or an existing or proposed storm sewer. Therefore, the peak flow shall follow that required by District A, and the post development 2-, 5-, 10-, 25-, 50-, and 100-year storm events shall be less than the predevelopment 1-, 2-, 5-, 10-, 25-, 50-, and 100-year storm events, respectively. PCSM Module 2 & Supporting Calculations includes peak flow calculations for the 1-, 2-, 10-, 50-, and 100-year storm events which show that the peak flows are reduced as required. Calculations for the 5- and 25-year storm events shall also be submitted for review.*
69. In accordance with Section 226.2, "all calculations consistent with this Part using the soil

cover complex method shall use the appropriate design rainfall depths for the various return period storms according to the region in which they are located as presented in Table B-1 in Appendix B. If a hydrologic computer model such as PSM or HEC-1 is used for stormwater runoff calculations, then the duration of rainfall shall be twenty-four (24) hours. The SCS "S" curve shown in Figure B-1 of Appendix B shall be used for the rainfall distribution". *PCSM Module 2 & Supporting Calculations utilize the NOAA Atlas 14 rainfall data, and a waiver is required. We would support this waiver request.*

70. In accordance with Section 226.4, times-of-concentration for overland flow shall be calculated using the methodology presented in Chapter 3 of Urban Hydrology for Small Watersheds, NRCS, TR-55 (as amended or replaced from time to time by NRCS). Times-of-concentration for channel and pipe flow shall be computed using Manning's equation. *The time of concentration flow paths shall be clearly shown and labeled on the Pre-Development and Post-Development Drainage Area Maps (Sheets C.DA.01 and C.DA.02). In addition, calculations, and paths in support of the 5-minute times of concentration, shall also be provided and shown and labeled on the plan.*

71. In accordance with Section 227.4, "any stormwater management facility (i.e., BMP, detention basin) designed to store runoff and requiring a berm or earthen embankment required or regulated by this Part shall be designed to provide an emergency spillway to handle flow up to and including the one hundred (100) year proposed conditions. The height of embankment must provide a minimum one (1.0) foot of freeboard above the maximum pool elevation computed when the facility functions for the one hundred (100) year proposed conditions inflow. Should any stormwater management facility require a dam safety permit under Chapter 105, the facility shall be designed in accordance with Chapter 105 and meet the regulations of Chapter 105 concerning dam safety which may be required to pass storms larger than the one hundred (100) year event". *A waiver is requested from Section 227.4 to allow less than 1-foot of freeboard. The request indicates that less than 1-foot is provided for Basin 2, 0.5-feet is provided for Rain Garden 3, and 0.3-feet of freeboard is provided for Rain Garden 4. The Weir Flow calculations indicate that 0.33-feet, 0.18-feet, and 0.25-feet of freeboard is provided for Basin 2, Rain Garden 3, and Rain Garden 4, respectively. The waiver justification shall be revised accordingly.*

*Per Section 223.A, the applicant shall not attenuate the larger storms in "no detention" areas (District C) only. This can be accomplished by configuration of the outlet structure not to control the larger storms, or by a bypass or channel to divert only the two (2) year flood into the basin or divert flows in excess of the two (2) year storm away from the basin. The basins and rain gardens control the 2-year storm with no discharge; therefore, we would have no objection to this request.*

72. In accordance with Section 227.6, "any other drainage conveyance facility that does not fall under Chapter 105 must be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm with a minimum one (1.0) foot of freeboard measured below the lowest point along the top of the roadway. Any facility that constitutes a dam as defined in Chapter 105 may require a permit under dam safety regulations. Any facility located within a PennDOT right-of-way must meet



PennDOT minimum design standards and permit submission requirements.” *The following are our comments related to the HY-8 calculations provided in ESC Module 1 & Supporting Calculations for the proposed 10-foot wide by 3.5-foot-high box culvert.*

- a. *The Proposed Box Culvert Profile on the Storm Sewer Profiles plan (Sheet C.PR.01) shall be revised to provide the inverts in and inverts out of the existing dual 36-inch diameter pipes and the proposed 10-foot wide by 3.5-foot-high box culvert. The inverts in and inverts out shall be consistent with those utilized in the HY-8 calculations.*
  - b. *The storm events associated with the minimum design, and maximum flows utilized in the HY-8 calculations, shall be provided with supporting calculations.*
  - c. *The Proposed Box Culvert Profile on the Storm Sewer Profile plan (Sheet C.PR.01) shall be revised to include the high-water elevation and elevation of the proposed driveway.*
  - d. *The Proposed Box Culvert Profile shall clearly depict and label the proposed embedment depth of the new box culvert.*
  - e. *Details of the proposed box culvert shall be provided on the plan.*
73. In accordance with Section 227.8, “storm sewers must be able to convey at a minimum proposed conditions runoff from a fifty (50) year design storm without surcharging inlets, where appropriate. Storm sewers and other drainage conveyance systems may be required to convey larger design storms based on individual drainage/sub-drainage area characteristics.” *Storm sewer calculations for the 25-year storm event were provided and must be revised. The proposed storm sewer collects and conveys stormwater toward the proposed basins which are designed for the 100-year storm event. Therefore, storm sewer capacity calculations for the 100-year storm event shall be provided. Also refer to Comment 46.*
74. In accordance with Sections 228.1 and 233.A.4, “any earth disturbance must be conducted in conformance with Chapter 102”, and the drainage plan submission shall include “an erosion and sediment control plan, including all reviews and letters of adequacy obtained by the Conservation District”. *Disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit is required. All correspondence with and approval from the Monroe County Conservation District and/or the Pennsylvania Department of Environmental Protection shall be provided to the Township. Refer to Comment 22 for comments are related to our review of the ESC Plan, Notes, and Details on Sheets C.ES.01, C.ES.02, C.DES.01, and C.DES.02.*
75. In accordance with Section 233.B.7, the drainage plan shall include “soil names, boundaries, hydrologic group, and limitations”. *The soil report provided in ESC Module 1 & Supporting Calculations does not include all soils existing on the project site and shown in plan view. The soil report shall be revised. In addition, the existing soils shall*

*be delineated on the Off-Site Drainage Area Map provided in ESC Module 1 & Supporting Calculations.*

76. In accordance with Section 233.B.18, the drainage plan shall include “overland drainage patterns and swales”. *The drainage areas shall be shown in their entirety on the Pre-Development and Post-Development Drainage Area Maps (Sheets C.DA.01 and C.DA.02). In addition, discharge points 001 and 002 shall be clearly identified on the Pre-Development and Post Development Drainage Area Maps (Sheets C.DA.01 and C.DA.02).*
77. In accordance with Section 233.B.19, the drainage plan shall include “a twenty (20) foot wide access easement to and around all stormwater management facilities that would provide ingress to and egress from a public right-of-way”. *A stormwater management easement including the proposed rain gardens, basins, and storm sewer shall be provided from a public right-of-way to permit the Township access to the property for the inspection, maintenance, repair, and/or replacement of the stormwater management facilities and storm sewer should the property owner fail to do so, and at no cost to the Township. A stormwater management easement with a note to this effect shall be provided on the plan. Alternatively, a blanket easement may be provided by a similar note on the plan.*
78. In accordance with Section 233.B.22, the drainage plan shall include “a statement, signed by the applicant, acknowledging that any revision to the approved drainage plan must be approved by the Township and that a revised erosion and sediment control plan must be submitted to the Conservation District for a determination of adequacy”. *The required statement shall be provided on the Cover Sheet (Sheet C.C.01).*
79. In accordance with Section 233.B.23, the drainage plan shall include “the following signature block for the design professional.

I, (design professional), on this date (date of signature), hereby certify that the drainage plan meets all design standards and criteria of the [name of applicable Act 167 Plan] and Smithfield Township Stormwater Management Ordinance.”

*The required signature block shall be provided on the Cover Sheet (Sheet C.C.01).*

#### **STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS**

80. The Infiltration Test Results for LB3 and C both reference Basin 1 and shall be revised to reference Basin 2 and Rain Garden 4, respectively.
81. The pond reports in PCSM Module 2 & Supporting Calculations shall be revised to refer to the correct basin per the plan view.
82. DA 1-1, DA 1-2, DA 1-3, and DA 1-4 on the Inlet Drainage Area Map (Sheet C.DAI.01) shall be revised to label the drainage areas consistent with the inlet numbers.
83. The proposed grading at Basin 1 (as labeled on Sheet C.PC.02) shall be revised to

- accommodate the berm elevation 453 and the spillway elevation 451.50 (add a proposed 452 contour).
84. The infiltration rate utilized in the pond report for Basin 2 – Large South is inconsistent with the Infiltration Test Results. The pond report shall be revised.
  85. The slope and spillway matting shall be shown in plan view on the ESC Plan (Sheets C.ES.01 and C.ES.02) and on the PCSM Plan (Sheets C.PC.01 and C.PC.02).
  86. The peak flows listed for Discharge Point 001 in the chart provided in PCSM Module 2 & Supporting Calculations is inconsistent with the Events for Link 8L: total DP1. The chart shall be revised accordingly.
  87. The proposed curb behind inlet 1-11 shall be extended to the southeast to provide consistency with the Inlet Drainage Area Map.

#### **MISCELLANEOUS COMMENTS**

88. On the Cover Sheet (Sheet C.C.01), a drainage easement (PB 43, PG 15) and water easement (RB 2055, PG 4195) are shown running across the project site. The new driveway is proposed over the existing easements. The Applicant shall provide confirmation that the proposed driveway is permitted to cross the existing easements.
89. The Existing Resource and Site Analysis Plan (Sheet C.EX.01) and the Waiver Request letter indicates the property area as 16.75 acres. The Zoning Compliance Summary on the Notes & Legends plan (Sheet C.C.02) and the Lot Consolidation Plan (separate submission) list the property area as 15.37 acres. The property area shall be confirmed, and the plan(s) shall be revised accordingly.
90. On the Site Plan (Sheet C.S.01), both infiltration basins are labeled as Basin 1, and the plan shall be revised accordingly.
91. The stop and one-way signs detailed on Sheet C.DS.01 shall be shown on the Site Plan (Sheet C.S.01).
92. On the Landscape Plan (Sheet C.L.01), the Landscape Requirements chart list plantings for Basin 1 (14 trees/42 shrubs) and Basin 2 (7 trees/21 shrubs). Per the plan view Basin 1 has 7 trees and 21 shrubs, and Basin 2 has 14 trees and 42 shrubs. In addition, the Plant Schedule lists 3 Silky Dogwood, while the plan view shows 32. The plan view and/or chart and/or schedule shall be revised for consistency.
93. On the Site & Utility Details (Sheet C.DS.01), the nomenclature for the van accessible plaque in the Handicapped Parking Sign detail shall be revised to be consistent with the Pennsylvania Department of Transportation Publication 236, Handbook of Approved Signs.
94. On the Storm Sewer Profiles plan (Sheet C.PR.01), the vertical scale listed for the profiles

is incorrect and shall be revised.

95. Details of the proposed guiderail, man gate, and inlets shall be provided on the plan.

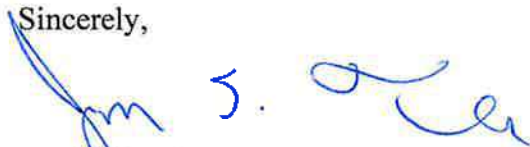
The above comments represent a thorough and comprehensive review of the information submitted, with the intent of giving the Township the best direction possible. However, due to the number and nature of the comments in this review, the receipt of new information may generate new comments.

We recommend the above comments be addressed to the satisfaction of Smithfield Township, prior to approval of the Preliminary/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, and 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,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/tms

cc: Ronold J. Karasek, Esquire – Smithfield Township Solicitor  
Ken Wolf, Zoning Officer – Smithfield Township  
Julia Heilakka, Officer Manager – Smithfield Township  
Vincent & Charlie Trapasso – Applicants/Property Owners  
Nathan S. Oiler, P.E., RKR Hess – Applicants' Engineer  
Lori Kerrigan, Head Resource Conservationist, Monroe County Conservation District  
Melissa E. Prugar, P.E., Boucher & James, Inc.



May 24, 2022

Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**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

**SUBJECT: EAGLE VALLEY SELF STORAGE UNITS  
PRELIM/FINAL LAND DEVELOPMENT PLAN REVIEW NO. 3  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2032208R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our third review of the Preliminary/Final Land Development Plan for the above referenced project. The submitted information consists of the following items.

- Transmittal letter to Smithfield Township prepared by RKR Hess, dated May 2, 2022.
- Letter of Response, prepared by RKR Hess, dated May 2, 2022.
- Waiver Request Letter, prepared by RKR Hess, dated May 2, 2022.
- Wetland Report prepared by C&H Environmental, dated March 23, 2022.
- PCSM Module 2 & Supporting Calculations prepared by RKR Hess, dated November 8, 2021, revised April 26, 2022.
- ESC Module 1 & Supporting Calculations prepared by RKR Hess, dated November 8, 2021, revised April 26, 2022.
- Preliminary/Final Land Development Plan (15 sheets) prepared by RKR Hess, dated November 8, 2021, revised May 2, 2022.
- Lighting Plan, dated January 7, 2022, prepared by LSI, revised April 29, 2022.
- Garbage Truck Movement Exhibit, prepared by RKR Hess, dated April 28, 2022.
- Stroud Township Review dated May 2, 2022.
- Fire Department Review Response dated January 13, 2022.

**BACKGROUND INFORMATION**

The Applicant, Vincent Trapasso, has submitted the Preliminary/Final Land Development Plan for the Eagle Valley Self Storage Units.

The existing properties are located within both Stroud and Smithfield Townships at the terminus of Skyline Drive approximately 500-feet east of its intersection with S.R. 0447, are within the R-2, Moderate Density Residential Zoning District of Smithfield Township, and have a total area of 15.37 acres. The properties consist of existing woodland and wetland areas, and stone piles. Sambo Creek and its associated 100-year floodplain traverse the existing properties.

A lot consolidation of the existing properties was approved as a separate application.



The proposed development will include the construction of three (3) storage unit buildings having a total storage area of 54150 square feet and 400 square feet of office space, a 24-foot-wide driveway taking access from Skyline Drive and drive aisles between the storage unit buildings. Stormwater management and landscaping are also proposed. A portion of the driveway is located within Stroud Township; however, the bulk of construction will occur in Smithfield Township. In addition, and per FEMA FIRM Map No. 42089C0293E, a portion of the proposed development property is located within Zone AE, with elevations, of the 100-year floodplain.

Per the Township's Adjudication Under PA Local Agency Law, In Re: Vincent & Charlie Trapasso, No. 2020-02, Zoning Ordinance Section 302 Determination, the proposed storage unit facility is permitted by conditional use in the R-2, Moderate Density Residential Zoning District. A Conditional Use for the proposed storage unit facility and its construction within the floodplain was granted by the Board of Supervisors at its meeting on November 10, 2020, with the following conditions:

1. The construction of the dwelling shall comply with all the drawings, supplementary, and supporting documents that were made part of the Applicants' Application and Exhibits; and,
2. The Applicants must file their application with the Monroe County Conservation District at the land development stage; and,
3. The Applicants must file for a National Pollutant Discharge Elimination System (NPDES) Permit at the land development stage; and,
4. All necessary SALDO waivers must be applied for (and granted) at the land development stage.
5. The project shall also comply with all Township ordinances, state and federal laws, rules and/or regulations.

Based on our review of the above information, we offer the following comments and/or recommendations for your consideration. ***These are related to outside agency approvals, construction cost estimate, escrow, and agreements, waiver requests, and minor drafting items.***

#### **ZONING ORDINANCE COMMENTS**

1. In accordance with Section 502.7.A, "tree fences or other approved landscaping features, shall be provided for screening purposes along any boundary of a commercial, planned boulevard and/or manufacturing lot which abuts an existing lot used solely for residential purposes. Minimum height and density of the screening features shall be approved by the Board of Supervisors." *Pin oak trees and concolor fir trees (heights of 5- to 6-feet) are proposed along the northern boundary of the project site shared with existing residential uses. The heights meet those required in Section 1101.2.A of the Subdivision and Land Development Ordinance. (Previous Comment 6) The Board of Supervisors shall determine if the proposed landscaping along the northern property line, is adequate.*
2. In accordance with Section 502.7.E, "where applicable, the Township may require that a covenant running with the land shall be recorded delineating the responsibility of the owner of record for maintenance and replacement to the planting." *(Previous Comment 8) The Township shall determine if a covenant requiring the maintenance and replacement of landscape plantings is required.*

**SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

3. In accordance with Section 603.C.2.(j), the Site Context Map shall include the “names of owners of all properties and the names of all subdivisions” within 1,000-feet of the project site. *Only the abutting property owners are listed on the plan. The Applicant is requesting a waiver from the requirements of this Section to be permitted to show only the owners that are adjacent to the property proposed for development. The submitted justification indicates that showing all property owners would make the Site Context Map difficult to read. (Previous Comment 11) Due to the nature of the project, we have no objection to this requested waiver.*
4. In accordance with Sections 603.G.17 and 1302.1.E, a soil erosion and sediment control plan and design basis of surface and subsurface drainage for protection against soil erosion during and after the construction period shall be provided. The plan shall include all grading and facilities proposed to control soil erosion and sedimentation during construction and proposed detention/retention facilities, in conformance with all applicable Pennsylvania Department of Environmental Protection and United States Soil Conservation Service regulations. A satisfactory letter shall be required from the Monroe County Conservation District on the soil erosion and sedimentation control plan prior to land development approval. *Disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit is required. (Previous Comment 22) Our previous comments have been satisfied. The NPDES Permit shall be provided to the Township upon receipt.*
5. In accordance with Sections 603.G.19, 1405.2.B, and 1405.5, if public sewer facilities are not available, the applicant/developer shall provide for sewage disposal on an individual lot basis according to the rules, regulations, terms, definitions and conditions of the individual sewage disposal system application and certification procedure for Monroe County, Pennsylvania. No final plan shall be approved for any subdivision or land development until satisfactory evidence has been presented by the applicant/developer to the Township that the SEO and/or the Pennsylvania Department of Environmental Protection have determined that the lots proposed for subdivision are generally suitable for on-lot septic systems. *(Previous Comment 23) The required approvals or acknowledged exemption from the Pennsylvania Department of Environmental Protection for the proposed on-lot sewage disposal facility, shall be obtained and provided to the Township upon receipt.*
6. In accordance with Sections 603.G.24, 703.D, 703.D.2, and 1401.3, the applicant/developer shall supply to the Township a statement from a registered engineer detailing the demands that the proposed development will have on the existing public sanitary sewer and public water systems within the Township. The applicant/developer shall provide a fully executed reservation agreement or similar approval for the proposed water service. *(Previous Comment 25) Public water service is proposed. A will serve letter and fully executed reservation agreement from the Brodhead Creek Regional Authority, shall be provided to the Township upon receipt.*
7. In accordance with Section 603.G.27, “if land to be subdivided lies partly in another municipality, the applicant/developer shall submit information concerning the location and design of streets, layout and size of lots and provision of public utilities on lands subject to this control within the adjoining municipalities. Evidence of review of this information by appropriate officials of the adjoining municipalities shall also be submitted.”

8. *A portion of the project site is located within Stroud Township. The Applicant shall submit the proposed development to Stroud Township, and provide correspondence received from Stroud Township with subsequent submissions. The response letter indicates the proposed development was submitted to Stroud Township. Correspondence shall be provided upon receipt. (Previous Comment 26) The comments in the Stroud Township review letter dated February 2, 2022, shall be addressed to the satisfaction of Stroud Township. Confirmation that all items have been satisfactorily addressed shall be provided to Smithfield Township.*
  
9. *In accordance with Sections 1101.1.F.(2)(d)(1) and (2), “a fence must be provided around all detention or retention basins.” “Fencing shall be four (4) foot-high split rail fencing (three (3) rail) with vinyl (PVC) coated wire mesh on the outside of the rails or other impassible barrier as approved by the Township Supervisors.” A 4-foot-high split rail fence is provided around Basin 2 (southerly basin on Sheet C.S.01), however, split rail fence is not provided around Basin 1 (westerly basin on Sheet C.S.01). (Previous Comment 37) The Applicant is requesting a waiver from the requirements of Section 1101.1.F.(2)(d)(1) to not be required to provide split rail fencing around Basin 1. The justification states, “The storage unit facility is surrounded by an eight-foot chain link fence. Basin 1 is located within the chain link fence surrounding the self-storage site. Access to the basin is required for snow removal storage.” Basin 1 does have a chain link fence surrounding it. Therefore, the Waiver Request Table on the Notes & Legends Plan (Sheet C.C.02) and the Waiver Request Letter (Pages 7 and 9) shall be revised to refer to Section 1101.1.F.(2)(d)(2) for the type of fence. We have no objection to this request.*
  
10. *In accordance with Section 1101.1.F.(2)(e)(1), “there shall be a minimum of one (1) shade tree and three (3) shrubs proposed for every thirty (30) linear feet of stormwater management facility perimeter”. The perimeter plantings for Basins 1 and 2 considers the existing woodlands as the buffer. Section 1102.1 states, “where existing vegetation exists which can meet the objectives of the buffer requirements, it shall be preserved and may be used to meet the buffer and planting requirements. Quantities, size, species, and locations of existing materials must be shown on plans and verified by the Township Engineer.” The calculations presented on the Landscape Plan (Sheet C.L.01) that utilize the existing woodlands as a buffer are acceptable. However, the plantings provided for Basin 1 (as labeled on Sheet C.L.01) shall be shown along the entire perimeter of the basin less the existing woodlands. Additionally, we believe shrubs should be intermixed with the trees at Basin 2 (as labeled on Sheet C.L.01). (Previous Comment 38) The Applicant is requesting a waiver from the requirements of this Section to be permitted to reduce the number of shrubs and trees required around the perimeter of the stormwater facility. The justification states, “Landscaping is proposed along the stormwater management facilities that are adjacent to neighboring properties. Due to the nature of the proposed project, landscaping to buffer the stormwater management facility from the proposed development is not necessary.”*

*We have no objection to this waiver request as it relates to Basin 1.*

*Fourteen (14) trees and 41 shrubs are required at Basin 2. Nine (9) trees are proposed (5 additional trees are proposed at Rain Garden 3). Therefore, 5 trees and 41 shrubs are still required at Basin 2. The number of proposed plantings has been reduced when compared to the previous submission and we do not support the waiver request as it relates to Basin 2. In addition, the Landscape Requirements chart on Sheet C.L.01 shall be revised to include the 41 required shrubs at Basin 2. (Previous Comment 38) The Landscape Plan (Sheet C.L.01) has*

*been revised to propose twelve (12) trees and 35 shrubs, which is less than required due to existing trees near Basin 2. In addition, the proposed trees and shrubs are located along the bottom of Basin 2. We have no objection to this request; however, the plan shall be revised to relocate the proposed trees and shrubs outside of the basin bottom.*

11. In accordance with Sections 1103.5.A and 1103.5.C, “the tree protection area that is delineated on the site prior to construction shall conform to the approved development plans.” “A forty-eight (48) inch high snow fence or other suitable fence, mounted on steel posts located eight feet on center, shall be placed along the boundary of the tree protection area.” *Tree protection fencing shall be shown on the Landscape Plan (Sheet C.L.01) and ESC Plans (Sheets C.ES.01 and C.ES.02), and a detail shall be provided. The installation of tree protection fencing shall also be included in the Construction Sequence on the ESC Notes (Sheet C.DES.01). (Previous Comment 42) The Design Engineer responded, “One inch polyester strap is proposed to delineate protected trees.” This is not in compliance with the requirements of this Section; however, we would have no objection to a waiver of this requirement.*

*The Waiver Request Table on the Notes & Legends Plan (Sheet C.C.02) and the Waiver Request Letter (Pages 1 and 9) shall be revised to note that the waiver request is from Section 1103.5.C for the type of fence/delineation.*

12. In accordance with Section 1301.5.D, “the Board of Supervisors may require the applicant/developer to provide a permanent drainage easement along any watercourse located within or along the boundary of any property being subdivided or developed. The required width of any such easement shall be determined by determining the extent of the width of flow from a fifty (50) year twenty-four (24) hour design storm or as determined by one (1) of the following: United States Army Corps of Engineers, Pennsylvania Department of Environmental Protection or other public agency having jurisdiction. The purpose of the easement is to maintain the free flow of the watercourse. The applicant/developer will retain the easement until such time as one (1) of the following is accomplished:

- (1) The easement is offered for dedication by the applicant/developer and accepted by the Township.
- (2) If an easement required by the Township is established, but not to be dedicated, the maintenance shall then be the responsibility of the individual lot owners through whose property the easement passes. For land developments, the maintenance shall then be the responsibility of the applicant/developer.
- (3) A homeowners’ association or their legal entity approved by the Township assumes responsibility for the maintenance of the development, including the easements.”

*The Plans show a proposed drainage easement for Sambo Creek. The Engineer states in the response letter, “An easement is proposed to be dedicated to the Township. The proposed limits of the easement are indicated on Sheet C.C.01. The metes and bounds will be provided on the Lot Consolidation Plan and referenced on Sheet C.C.01.” (Previous Comment 43) The Board of Supervisors should consider the Applicant’s offer of the easement for dedication, a permanent drainage easement along Sambo Creek. If the Township accepts the permanent drainage easement, the Township then has the authority to enter the project site to maintain Sambo Creek as needed for the MS-4 program and/or other purposes.*

13. In accordance with Section 1301.6.B.(3), “the maximum draw down time for stormwater management facilities shall be seventy-two (72) hours.” *Empty time calculations in support of the proposed basins and rain gardens shall be submitted. (Previous Comment 44) The Applicant is requesting a Waiver from this Section to not be required to perform infiltration testing within the rain gardens, which are designed with a water elevation less than 6-inches deep. In addition, evapotranspiration is proposed at these rain gardens to meet PADEP requirements, not infiltration. We have no objection to this request.*
14. In accordance with Section 1302.1.D, “final plans for minimizing erosion and sedimentation as approved will be incorporated into the Agreement and Financial Securities requirements as required by the Township.” *The construction cost estimate shall include the required erosion and sedimentation controls. (Previous Comment 49) The response letter indicates erosion and sedimentation controls will be included in the construction cost estimate.*
15. In accordance with Section 1302.3.D, “edges of slopes shall be a minimum of five (5) feet from property lines or right-of-way lines in order to permit the normal rounding of the edge without encroaching on the abutting property”. *Proposed grading is shown closer than five (5) feet to the property lines. The grading shall be revised, or a waiver will be required. As discussed in Comment 54 below, we would have no objection to this request provided the existing property line is identified in the field. If a waiver is requested and granted, a note to this effect will be required on the plan. (Previous Comment 51) The Applicant is requesting a waiver from Section 1302.3.D to permit grading closer than 5-feet to the property lines. The requested note has been added to the Construction Sequence, and we have no objection to this request.*
16. In accordance with Section 1302.3.H, “in general, swales for surface runoff shall have a minimum slope of two percent (2%).” *Swale 1 is proposed at a 1% slope, and it appears the grading can be revised to provide a minimum 2% slope. The plan should be revised. (Previous Comment 52) The Applicant is requesting a waiver from Section 1302.3.H to allow Swale 1 to be constructed at a 1% slope. The submitted justification states, “Swale 1 conveys runoff from the upstream self-storage unit pavement surface to Basin 1. The proposed slope follows the pavement slope, to minimize the depth below the pavement. A 1% slope swale is consistent with DEP guidelines and will aid in water quality.” We have no objection to this request, since a note has been placed on the Swale Chart on the ESC & PCSM Details Plan (Sheet C.DPC.01) referencing a 48-hour dewatering time, as required by the Pennsylvania Stormwater Management BMP Manual.*
17. In accordance with Section 1302.4.A, “no excavation or fill shall be made with a face or surface slope steeper than three (3) horizontal to one (1) vertical unless a retaining wall or other soil retention method, constructed in accordance with approved standards, is provided to support the face or surface slope of said excavation or fill”. *Areas of grading are proposed at a two (2) to one (1) slope and shall be revised. (Previous Comment 53) The Applicant is requesting a waiver from Section 1302.4.A to allow slopes up to 2 horizontal to 1 vertical (2:1). The submitted justification states, “There are portions of grading proposed at 2:1 slopes to minimize impacts to existing natural features (wetlands, woodlands, riparian buffers, etc.) In addition, 2:1 slopes are necessary to tie into existing grades (prior to the property lines) since the self-storage units must be proposed higher than the 100-yr flood elevations. Slopes at a grade of 2:1 are acceptable for the site soil types based on DEP standards.” Erosion control matting is proposed on these steep slopes. We have no objection to this request.*



18. In accordance with Section 1302.4.D, “cut and fill shall not endanger adjoining property. All the outermost limits of all cuts and fills shall be a minimum of ten (10) feet from adjacent property lines. Where retaining walls greater than four (4) feet in height are proposed the face of such retaining wall shall be a minimum of ten (10) feet from all property lines. Retaining walls greater than six (6) feet shall be designed as a tiered wall with a minimum width of four (4) feet between walls.” *Proposed grading at the culvert replacement, and along portions of the northwestern and southeastern property lines, is located closer than 10-feet to the existing property lines. Existing commercial properties exist near the culvert replacement, and woodlands exist along the northwestern and southeastern property lines. The Applicant is requesting a waiver to permit proposed grading closer than 10-feet to the property lines. We have no objection to this request; however, the affected property lines shall be located in the field. A note to this effect shall be placed on the plan. (Previous Comment 55) The required note has been placed and we have no objection to this request.*

***The Waiver Request Table on the Notes & Legends Plan (Sheet C.C.02) and the Waiver Request Letter (Page 9) shall be revised to note “within 10 feet of the adjacent property line.”***

19. In accordance with Sections 1503 and 1504, “no plan shall receive final approval unless the streets shown have been improved to a permanently passable condition, or improved as may be required by this Chapter, and any walkways, bikeways, curbs, gutters, streetlights, fire hydrants, shade trees, landscaping, parking lots, line striping, stormwater management facilities, erosion and sedimentation control measures, water mains, sanitary sewers, storm drains and other improvements as may be required by this Chapter or the Smithfield Township Zoning Ordinance [Chapter 27] have been installed. In lieu of the completion of any improvements, the applicant/developer shall furnish to the Township financial security with such surety as the Board of Supervisors shall approve, in an amount sufficient to cover the costs of any improvements which may be required. Such financial security shall provide for and secure to the public the completion of any improvements which may be required on or before the date fixed in the formal action of approval or accompanying agreement for completion of improvements. The amount of financial security to be posted for completion of the required improvements shall be equal to one hundred ten percent (110%) of the cost of completion estimated as of ninety (90) days following the date of scheduled for completion by the applicant/developer. Annually, the Township may adjust the amount of the financial security 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 ninetieth (90th) day after either the original date scheduled of completion or a rescheduled date of completion. Subsequent to said adjustment, the Township may require the applicant/developer to post additional security in order to assure that the financial security equals said one hundred ten percent (110%). Any additional security shall be posted by the applicant/developer in accordance with this Section.” *A construction cost estimate shall be provided for review prior to plan recordation. (Previous Comment 56) The response letter indicates a construction cost estimate will be provided for review.*

#### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

20. In accordance with Section 221.6, “where a development site is traversed by existing watercourses, drainage easements (for natural and artificial watercourse) shall be provided conforming to the line of such watercourses. The terms of the easement shall conform to the stream buffer requirements (for natural watercourses) contained in §223(I)(6) of this Part.”

*The Board of Supervisors should consider requiring the Applicant to place and offer for dedication, a permanent drainage easement along Sambo Creek. If the Township accepts the permanent drainage easement, the Township then has the authority to enter the project site to maintain Sambo Creek as needed for the MS-4 program and/or other purposes. (Previous Comment 58) Refer to Comment 11.*

21. In accordance with Section 221.11, “roof drains shall not be connected to streets, sanitary or storm sewers or roadside ditches in order to promote overland flow and infiltration/ percolation of stormwater where advantageous to do so. Considering potential pollutant loading, roof drain runoff in most cases will not require pretreatment”. *The proposed roof drains shall be shown on the plan in accordance with this Section or a waiver will be required. (Previous Comment 60) The Applicant is requesting a waiver from Section 221.11 to allow roof leaders to be connected to storm sewers that discharge to the proposed basins. We have no objection to this request.*
  
22. In accordance with Section 223.A, “for water quality and streambank erosion, the applicant shall design a water quality BMP to detain the proposed conditions two (2) year, twenty-four (24) hour design storm to the existing conditions one (1) year flow using the SCS Type II distribution. The applicant shall demonstrate that applicant has made provisions (such as adding a small orifice at the bottom of the outlet structure) so that the one (1) year storm takes a minimum of twenty-four (24) hours to drain from the facility from a point where the maximum volume of water from the one (1) year storm is captured (i.e., the maximum water surface elevation is achieved in the facility). At the same time, the applicant shall not attenuate the larger storms in “no detention” areas (District C) only. This can be accomplished by configuration of the outlet structure not to control the larger storms, or by a bypass or channel to divert only the two (2) year flood into the basin or divert flows in excess of the two (2) year storm away from the basin.” *A waiver is requested from Section 223.A to permit the post development 2-year storm event to be reduced to the predevelopment 2-year storm event (not the 1-year storm).*

*It appears Discharge Point 1 meets the required reduction (2-year post to 1-year pre). The post development peak flows of Total DP001 (including the proposed basins and rain gardens) for the 2-year storm (0.18 cfs) is reduced to below the predevelopment peak flow for the 1-year storm (2.30 cfs). The peak flow chart provided in PCSM Module 1 & Supporting Calculations should be revised accordingly. Should the Applicant believe a waiver for Discharge Point 1 is still required, additional information/clarification shall be provided as discussed above.*

*Discharge Point 2 does not meet the required reduction; however, the 2-year post development storm is reduced to below the 2-year predevelopment storm. Proposed grading is located within Discharge Point 2 and the discharge is directed as sheet flow toward existing woodlands. We have no objection to this request for Discharge Point 2. (Previous Comment 62) The justification for the waiver request states “The existing cover type onsite was modeled as meadow for consistency with the NPDES application being prepared for the project. A majority of the proposed improvements are being directed to onsite stormwater management facilities. However, a small portion of the driveway (at connection point) is not being managed due to site constraints and existing property boundary. This small area exceeds the allowable 1-year predevelopment flow from the site. To further provide water quality benefits, water quality inlets (for pre-treatment prior to discharging into the infiltration facilities) and native seeding mixes (which assist in pollutant removal) are*

*proposed. Note this ordinance reduction is intended to provide water quality benefits; however, more recent water quality requirements are part of the NPDES permit process. As this project requires an NPDES permit for stormwater discharges, these updated water quality benefits will be met." We have no objection to this request.*

23. In accordance with Section 223.I.1.(d)(1)(a), the permitted activities within the inner wetland buffer shall be "stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP and passive unpaved stable trails shall be permitted. No other earth disturbance, grading, filling, buildings, structures, new construction, or development shall be permitted." *Proposed grading, Rain Garden 4, and a portion of the proposed driveway, are located within the 50-foot inner wetland buffer. (Previous Comment 63) A waiver is requested from Section 223.I.1.(d)(1)(a) to permit the proposed improvements within the inner wetland buffer.*

*The request indicates that 0.40 acres, or 13%, of the total 3.12-acre inner wetland buffer is proposed to be disturbed for the proposed driveway and associated grading. The justification states that the layout of the project site eliminates the need to cross existing wetlands and to obtain permits from the Pennsylvania Department of Environmental Protection. We have no objection to this request.*

*The Waiver Request Table on the Notes & Legends Plan (Sheet C.C.02) and the Waiver Request Letter (Pages 3 and 9) shall be revised to correct the Ordinance Section (i.e., 223.I.1.(d)(1)(a), not 223.I.1.(d)(1)(a)).*

24. In accordance with Section 223.I.1.(d)(2)(a), the permitted activities within the outer wetland buffer shall be "stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP, roads constructed to existing grade, unpaved trails, and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted provided no buildings are involved, and those activities permitted under §§223(I)(5) and 223(I)(6)". *Proposed grading, Basins 1 and 2, Rain Gardens 3 and 4, the proposed driveway, and project site including parking, driveways, and buildings, are located within the 100-foot outer wetland buffer. (Previous Comment 64) A waiver is requested from Section 223.I.1.(d)(2)(a) to permit the proposed improvements within the outer wetland buffer.*

*Per Section 223.I.1.(d)(2)(b), "no more than twenty (20%) percent of the cumulative outer buffer on the subject parcel shall be altered by the activities permitted in accord with §223(I)(2)(d)2)". The request indicates that 2.10 acres or 44% of the outer wetland buffer is proposed to be disturbed. The request also indicates that only 35% of the project site is not restricted by existing natural features. In accordance with Section 223.I.5, "in the case of legally pre-existing lots (approved prior to the effective date of this Part) where the useable area of a lot lies within an outer buffer area, the applicant shall obtain a waiver from the Board of Supervisors in accordance with Part 2H." We have no objection to this request.*

*The Waiver Request Table on the Notes & Legends Plan (Sheet C.C.02) and the Waiver Request Letter (Pages 4 and 9) shall be revised to correct the Ordinance Section (i.e., 223.I.1.(d)(2)(a), not 223.I.1.(d)(2)(a)).*

25. In accordance with Section 224.A.2.(a), “a minimum depth of twenty-four (24) inches between the bottom of the BMP and the limiting zone” is required. *The limiting zones at Basin 1 (as labeled on Sheet C.PC.02) and Rain Gardens 3 and 4 are less than 2-feet below the proposed bottom of the stormwater management facilities, and the facilities shall be revised. (Previous Comment 66) The Applicant is requesting a waiver from this Section, to allow the basins and grading as submitted. The justification states, “The Rain Gardens are essentially berms on existing ground and are located to have the driveway sheet flow into them. They cannot be raised without eliminating the storage. We will either need a waiver from this request and/or the volume requirements of the NPDES Permit. The other basins are already infiltrating the entire two-year storms.”*

*Basin 1 and Rain Garden 4 have separations between the limiting zone and basin bottom of 1.60-feet ± and 1.30-feet ±, respectively. Basin 1 is proposed with an 18-inch deep constructed filter. We have no objection to this request.*

26. In accordance with Sections 224.A.2.(b) and 224.A.2.(c), “an infiltration and/or percolation rate sufficient to accept the additional stormwater load and drain completely as determined by field tests conducted by the applicant’s design professional” is required. “The recharge facility shall be capable of completely infiltrating the recharge volume within four (4) days”. *Infiltration is not utilized in the pond reports for Basin 1, Rain Garden 3, or Rain Garden 4. In addition, the test results at Rain Gardens 3 and 4 are not sufficient to empty the rain gardens within four (4) days. It is also noted that the testing is located outside of the rain gardens (approximately 30-feet away). Additional testing should be completed to determine the available infiltration at the location of the proposed rain gardens and/or soil media shall be provided. If soil media is provided, a note shall be placed on the plan indicating that post construction testing of the soil shall be completed to confirm infiltration rates and ensure the constructed rain gardens and basin meet the approved design. (Previous Comment 67) The Applicant is requesting a waiver from these Sections 224.A.(2)(b) and 224.A.2.(c). The justification states “Infiltration is not utilized in the pond reports for Basin 1, Rain Garden 3, or Rain Garden 4. It is also noted that the testing is located outside of the rain gardens (approximately 30-feet away). The test rates close to the area of the rain gardens were sufficient to drain in the required time. The other basins are already infiltrating the entire two-year storms. Soil media is required as shown on the details on sheet C.DPC.01. A constructed filter will also be required in Basin 1, as the existing soil infiltrates above allowable rates. Additional testing here would be moot. Infiltration testing will be required as a critical stage, upon the construction of the sand filter in Basin 1. The shallow rain gardens are less than 6” deep and will drain via evapotranspiration.” We have no objection to this request.*

27. In accordance with Section 224.B.2, “provide site-specific infiltration test results (at the level of the proposed infiltration surface) in accord with ASTM Guide No. D 5126 to determine the appropriate hydraulic conductivity rate”. *The test conducted at Location SB-1 in Basin 1 (as labeled on Sheet C.PC.02) was not completed at the bottom of the infiltration basin, nor was it conducted in the same soil horizon. Additional testing is required. (Previous Comment 68) The Applicant is requesting a waiver from this Section, to allow the shallow rain gardens to remain without additional testing. An eighteen (18) inch deep constructed filter is proposed for Basin 1, with the requirement to perform infiltration testing post construction. Therefore, we have no objection to this request.*

28. In accordance with Section 226.2, "all calculations consistent with this Part using the soil cover complex method shall use the appropriate design rainfall depths for the various return period storms according to the region in which they are located as presented in Table B-1 in Appendix B. If a hydrologic computer model such as PSRM or HEC-1 is used for stormwater runoff calculations, then the duration of rainfall shall be twenty-four (24) hours. The SCS "S" curve shown in Figure B-1 of Appendix B shall be used for the rainfall distribution". *PCSM Module 2 & Supporting Calculations utilize the NOAA Atlas 14 rainfall data, and a waiver is required. (Previous Comment 70) The Applicant is requesting a waiver from Section 226.2 to allow the use of NOAA Atlas 14 rainfall data in lieu of Appendix B. We have no objection to this request.*

29. In accordance with Section 227.4, "any stormwater management facility (i.e., BMP, detention basin) designed to store runoff and requiring a berm or earthen embankment required or regulated by this Part shall be designed to provide an emergency spillway to handle flow up to and including the one hundred (100) year proposed conditions. The height of embankment must provide a minimum one (1.0) foot of freeboard above the maximum pool elevation computed when the facility functions for the one hundred (100) year proposed conditions inflow. Should any stormwater management facility require a dam safety permit under Chapter 105, the facility shall be designed in accordance with Chapter 105 and meet the regulations of Chapter 105 concerning dam safety which may be required to pass storms larger than the one hundred (100) year event". *A waiver is requested from Section 227.4 to allow less than 1-foot of freeboard.*

*Per Section 223.A, the applicant shall not attenuate the larger storms in "no detention" areas (District C) only. This can be accomplished by configuration of the outlet structure not to control the larger storms, or by a bypass or channel to divert only the two (2) year flood into the basin or divert flows in excess of the two (2) year storm away from the basin. (Previous Comment 72) The basins and rain gardens control the 2-year storm with no discharge; therefore, we would have no objection to this request.*

30. In accordance with Section 227.6, "any other drainage conveyance facility that does not fall under Chapter 105 must be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm with a minimum one (1.0) foot of freeboard measured below the lowest point along the top of the roadway. Any facility that constitutes a dam as defined in Chapter 105 may require a permit under dam safety regulations. Any facility located within a PennDOT right-of-way must meet PennDOT minimum design standards and permit submission requirements." *(Previous Comment 73) The following are our comments related to the HY-8 calculations provided in ESC Module 1 & Supporting Calculations for the proposed 10-foot wide by 3.5-foot-high box culvert.*

- a. *The storm events associated with the minimum design, and maximum flows utilized in the HY-8 calculations, shall be provided with supporting calculations. (Previous Comment) This Section requires that the proposed culvert be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm with a minimum one (1.0) foot of freeboard measured below the lowest point along the top of the roadway., However, the design flow (225cfs) noted in the HY-8 calculations is for the 25 Year Storm. The calculations shall be revised for compliance with this Section. (Previous Comment 73.b) The Applicant is requesting a waiver from this Section, to not be required to provide 1.0 foot of freeboard. The*



*Applicant is requesting to be permitted to provide 0.1 foot of freeboard for the 50 Year Storm, and to utilize the low point in the driveway for the conveyance of the remaining flow. We have no objection to this request.*

- b. *Details of the proposed box culvert shall be provided on the plan. (Previous Comment 73.e) Details must still be placed on the plan. (Previous Comment 73.e) The response indicates details will be provided on the plan upon completion.*
  - c. *The Ordinance Section in the Waiver Request Table on the Notes & Legends Plan (Sheet C.C.02) references Section 227.61. The Ordinance reference shall be corrected to note Section 227.6. (New Comment)*
31. *In accordance with Sections 228.1 and 233.A.4, “any earth disturbance must be conducted in conformance with Chapter 102”, and the drainage plan submission shall include “an erosion and sediment control plan, including all reviews and letters of adequacy obtained by the Conservation District.” Disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit is required. (Previous Comment 75) All correspondence with and approval from the Monroe County Conservation District shall be provided to the Township.*

#### **PLAN REVISION COMMENTS**

32. *A Conditional Use for the proposed storage unit facility and its construction within the floodplain was granted by the Board of Supervisors at its meeting on November 10, 2021, with conditions. The Notes & Legends Plan (Sheet C.C.02) shall be revised to note the Conditional Use with its granted date and five conditions. (Previous Comment 98) Condition No.5 “The project shall also comply with all Township ordinances, state and federal laws, rules and/or regulations.” shall be listed under the Conditional Use Conditions on the Notes and Legends Plan (Sheet C.C.02). In addition, the plan shall be updated to note the Conditional Use approval of the revised plan.*
33. *The Pole/Base Height Detail on the Site & Utilities Plan (Sheet C.DS.01) refers to the Lighting Plan for pole height, however the Lighting Plan does not specify pole height. The plans shall be revised to specify the pole height. (New Comment)*
34. *Note 1 on the Notes & Legends Plan (Sheet C.C.02) shall be revised to note the date of approval of the Lot Consolidation Plan. (New Comment)*
35. *The Parking Analysis on the Notes & Legends Plan (Sheet C.C.02) notes a total proposed storage unit area of 43,780 square feet, however, the sum of the self-storage unit building areas noted on the Site Plan (Sheet C.S.01) is 54,150 square feet. The Parking Analysis shall be revised accordingly.*
- In addition, the Smithfield Township Zoning Compliance Standards (Provided Building Coverage) shall be updated, as well as the Project Summary in the PCSM Module 2 & Supporting Calculations Report (Page 13). (New Comment)*
36. *PCSM BMP Operation & Maintenance, Constructed Filter Note 6 shall include language to protect the bottom of the basins from compaction during the maintenance/removal of sediment. (New Comment)*

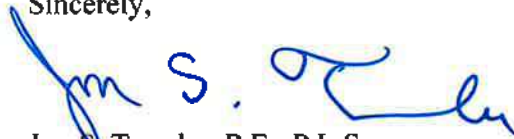
The above comments represent a thorough and comprehensive review of the information submitted, with the intent of giving the Township the best direction possible. However, due to the nature of the comments in this review, the receipt of new information may generate new comments.

We recommend the above comments be addressed to the satisfaction of Smithfield Township, prior to approval of the Preliminary/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, and 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 blue ink, appearing to read "Jon S. Tresslar".

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/meh/tms

cc: Ronald J. Karasek, Esquire – Smithfield Township Solicitor  
Ken Wolf, Zoning Officer – Smithfield Township  
Julia Heilakka, Officer Manager – Smithfield Township  
Vincent & Charlie Trapasso – Applicants/Property Owners  
Nathan S. Oiler, P.E., RKR Hess – Applicants' Engineer  
Drew Wagner, P.E., Monroe County Conservation District  
Melissa E. Hutchison, P.E., LVL Engineering Group



**Boucher & James, Inc.**  
CONSULTING ENGINEERS

AN EMPLOYEE OWNED COMPANY  
INNOVATIVE ENGINEERING

Fountainville Professional Building  
1456 Ferry Road, Building 500  
Doylestown, PA 18901  
215-345-9400  
Fax 215-345-9401

2756 Rimrock Drive  
Stroudsburg, PA 18360  
570-629-0300  
Fax 570-629-0306  
Mailing:  
P.O. Box 699  
Barlonsville, PA 18321

559 Main Street, Suite 230  
Bethlehem, PA 18018  
610-419-9407  
Fax 610-419-9408

[www.bjengineers.com](http://www.bjengineers.com)

February 8, 2022

Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**SUBJECT: EAGLE VALLEY SELF STORAGE UNITS  
PRELIM/FINAL LAND DEVELOPMENT PLAN REVIEW NO. 2  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2032208R**

Dear Planning Commission Members:

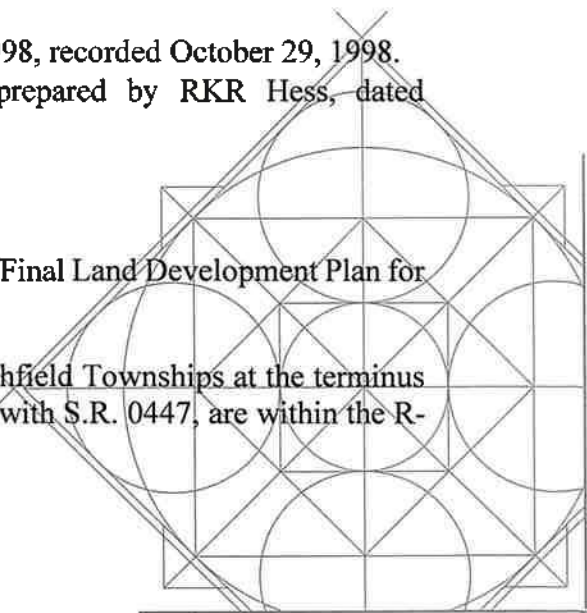
Pursuant to the Township's request, we have completed our second review of the Preliminary/Final Land Development Plan for the above referenced project. The submitted information consists of the following items.

- Transmittal letter to Smithfield Township prepared by RKR Hess, dated January 6, 2022.
- Letter of Response, prepared by RKR Hess, dated January 6, 2022.
- Waiver Requests prepared by RKR Hess, dated January 6, 2022.
- Storm Water Drainage Easement and Right-of-Way prepared by RKR Hess, dated July 22, 1999, recorded September 28, 1999.
- Cover Letter, dated December 15, 2021, and certified mail receipts of notification of the project before the Township Planning Commission.
- PCSM Module 2 & Supporting Calculations prepared by RKR Hess, dated November 8, 2021, revised January 5, 2022.
- ESC Module 1 & Supporting Calculations prepared by RKR Hess, dated November 8, 2021, revised January 5, 2022.
- Water Authority Easement Agreement, dated October 23, 1998, recorded October 29, 1998.
- Preliminary/Final Land Development Plan (15 sheets) prepared by RKR Hess, dated November 8, 2021, revised January 6, 2022.

### **BACKGROUND INFORMATION**

The Applicant, Vincent Trapasso, has submitted the Preliminary/Final Land Development Plan for the Eagle Valley Self Storage Units.

The existing properties are located within both Stroud and Smithfield Townships at the terminus of Skyline Drive approximately 500-feet east of its intersection with S.R. 0447, are within the R-



2, Moderate Density Residential Zoning District of Smithfield Township, and have a total area of 15.37 acres. The properties consist of existing woodland and wetland areas, and stone piles. Sambo Creek and its associated 100-year floodplain traverse the existing properties.

A lot consolidation of the existing properties is proposed as a separate application and will be reviewed under separate cover.

The proposed development will include the construction of four (4) storage unit buildings having a total storage area of 43,780 square feet and 400 square feet of office space, a 24-foot-wide driveway taking access from Skyline Drive and drive aisles between the storage unit buildings. Stormwater management and landscaping are also proposed. A portion of the driveway is located within Stroud Township; however, the bulk of construction will occur in Smithfield Township. In addition, and per FEMA FIRM Map No. 42089C0293E, a portion of the proposed development property is located within Zone AE, with elevations, of the 100-year floodplain.

Per the Township’s Adjudication Under PA Local Agency Law, In Re: Vincent & Charlie Trapasso, No. 2020-02, Zoning Ordinance Section 302 Determination, the proposed storage unit facility is permitted by conditional use in the R-2, Moderate Density Residential Zoning District. A Conditional Use for the proposed storage unit facility and its construction within the floodplain was granted by the Board of Supervisors at its meeting on November 10, 2020, with the following conditions:

1. The construction of the dwelling shall comply with all the drawings, supplementary, and supporting documents that were made part of the Applicants’ Application and Exhibits; and,
2. The Applicants must file their application with the Monroe County Conservation District at the land development stage; and,
3. The Applicants must file for a National Pollutant Discharge Elimination System (NPDES) Permit at the land development stage; and,
4. All necessary SALDO waivers must be applied for (and granted) at the land development stage.
5. The project shall also comply with all Township ordinances, state and federal laws, rules and/or regulations.

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 401.3.D.(2), “no development, filling, piping, or diverting shall

be permitted within wetlands, except for road or utility crossings approved by the Township; where State and Federal permits have been obtained, the design represents the least possible disturbance, and no other access is available. Wetlands may also be used as part of approved sewage treatment systems and for recreational uses such as trail and golf course development. No more than forty (40%) percent of the wetlands margin area shall be developed, diverted or filled.” Wetlands Margin is defined as “that area which extends seventy-five (75) feet from the wetland boundary or to the limit of the hydric soils, whichever is greater”. *The required 75-foot wetland margin shall be shown on the plan. The proposed disturbance of the wetland margin in square feet and/or acres, and percent, shall be listed on the plan. (Previous Comment) The 75-foot wetland margin shall be clearly labeled on the Site Plan (Sheet C.S.01) and the Landscape Plan (Sheet C.L.01).*

3. Comment satisfied.
4. In accordance with Sections 403.O, 502.6.A, and 502.6.B, off-street parking areas, and areas of intensive pedestrian use shall be adequately lighted. Any lighting for exterior environments should be arranged to minimize uncontrolled light, glare, over lighting, light trespass, sky glow, and to direct light away from adjacent properties. *A proposed light is shown on the plan near the proposed office. In addition, Note 12 on the Notes & Legends plan (Sheet C.C.02) suggests lighting fixtures will also be placed on the proposed buildings and existing utility poles. A lighting plan with fixture locations, intensities, details, and notes shall be submitted. (Previous Comment) The response letter indicates a lighting plan is being developed and will be submitted.*
5. In accordance with Section 502.5.A, “a building group may not be so arranged that any permanently or temporarily inhabited building is inaccessible by emergency vehicles”. *A Vehicle Turning Exhibit has been submitted showing accessibility along the perimeter of the proposed storage buildings. This exhibit shall be provided to the fire department for review and comment. (Previous Comment) The response letter indicates the exhibit will be provided to the Marshalls Creek Fire Department.*
6. In accordance with Section 502.7.A, “tree fences or other approved landscaping features, shall be provided for screening purposes along any boundary of a commercial, planned boulevard and/or manufacturing lot which abuts an existing lot used solely for residential purposes. Minimum height and density of the screening features shall be approved by the Board of Supervisors.” *Pin oak trees and concolor fir trees (heights of 5- to 6-feet) are proposed along the northern boundary of the project site shared with existing residential uses. The heights meet those required in Section 1101.2.A of the Subdivision and Land Development Ordinance. (Previous Comment) The Board of Supervisors shall determine if the proposed landscaping along the northern property line is adequate.*
7. Comment satisfied.
8. In accordance with Section 502.7.E, “where applicable, the Township may require that a covenant running with the land shall be recorded delineating the responsibility of the owner of record for maintenance and replacement to the planting.” *(Previous Comment) The*



***Township shall determine if a covenant requiring the maintenance and replacement of landscape plantings is required.***

9. Comment satisfied.

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

10. Comment satisfied.

11. In accordance with Section 603.C.2.(j), the Site Context Map shall include the “names of owners of all properties and the names of all subdivisions” within 1,000-feet of the project site. *Only the abutting property owners are listed on the plan. The Applicant is requesting a waiver from the requirements of this Section to be permitted to show only the owners that are adjacent to the property proposed for development. The submitted justification indicates that showing all property owners would make the Site Context Map difficult to read. (Previous Comment) Due to the nature of the project, we have no objection to this requested waiver.*

12. Comment satisfied.

13. Comment satisfied.

14. In accordance with Section 603.D.13, “the applicant/developer shall furnish on appropriate maps or other documents all natural features including all natural features defined and regulated by the Township Zoning Ordinance [Chapter 27], areas of boulder fields, and rock outcroppings. All applications shall include maps showing the location of the resources together with area calculations. The amounts and percentages of resources on the site, resources to be disturbed and resources to be preserved shall be shown on the plan graphically and in a chart form. The applicant/developer, as part of the preliminary plan shall submit to the Township a proposal to preserve, to the extent possible the natural features which would be desirable to leave intact.” *The areas in square feet and/or acres of the existing 100-year floodplain, wetlands, and wetlands margin shall be listed on the Existing Resource and Site Analysis Plan (Sheet C.EX.01). (Previous Comment) The noted wetlands margin area (75 feet from wetland boundary) is less than the noted inner wetland buffer area (50 from wetland boundary). The Design Engineer shall check and confirm the wetlands margin area and the inner wetland buffer area and revise the table accordingly.*

15. Comment satisfied.

16. In accordance with Section 603.D.13.(h), “wetlands shall be defined by metes and bounds.” *The existing wetlands shall be shown with metes and bounds on the Existing Resource and Site Analysis Plan (Sheet C.EX.01). (Previous Comment) The Coordinate Table on the Existing Resource and Site Analysis Plan (Sheet C.EX.01) notes wetland coordinates 200 through 269, however the Wetland Coordinate Plan on the same sheet only shows the coordinate points labeled to 268. The Wetland Coordinate Plan shall be revised to*

***show and label coordinate point 269.***

17. In accordance with Section 603.E, a Resource Impact and Conservation Analysis shall be submitted. *The analysis shall include the areas of existing natural resources (Sambo Creek, 100-year floodplain, wetlands, wetlands margin, wetland buffers, and stream buffer) with the proposed disturbance, if any, of each. This information may be placed on the Existing Resource and Site Analysis Plan (Sheet C.EX.01) under the heading Resource Impact and Conservation Analysis. (Previous Comment) The natural feature table on the Existing Resource and Site Analysis Plan (Sheet C.EX.01) shall be revised to include Sambo Creek and its floodway (total area and area impacted), and to be labeled "Resource Impact and Conservation Analysis."*
18. Comment satisfied.
19. Comment satisfied.
20. In accordance with Section 603.G.13, "for all subdivision or land developments, except for single-family detached residential, the size and arrangement of buildings and parking areas, along with any length, area, ratio, number, or other physical characteristic referred to in the Smithfield Township Zoning Ordinance [Chapter 27], as amended, shall be dimensioned or indicated on the plan. Turning movement diagrams shall be provided to demonstrate that the largest truck or emergency vehicle servicing the development can safely and conveniently navigate the proposed roads, drives, parking and loading areas." *The submitted Turning Movement Exhibit shall be provided to the fire company for review and comment. (Previous Comment) The response letter indicates the exhibit will be provided to the Marshalls Creek Fire Department.*
21. In accordance with Section 603.G.15, "a lighting plan in accordance with the requirements of this Chapter and the Smithfield Township Zoning Ordinance [Chapter 27] shall be submitted". In addition, and per Sections 1020 and 1024.18, all parking lots, multifamily developments and nonresidential developments shall be adequately lighted during after-dark operating hours. All light standards shall be located within landscaped islands and be freestanding on secure bases and not on the parking surfaces. *A proposed light is shown on the plan near the proposed office. In addition, Note 12 on the Notes & Legends plan (Sheet C.C.02) suggests lighting fixtures will also be placed on the proposed buildings and existing utility poles. A lighting plan with fixture locations, intensities, details, and notes shall be submitted. (Previous Comment) The response letter indicates a lighting plan is being developed and will be submitted.*
22. In accordance with Sections 603.G.17 and 1302.1.E, a soil erosion and sediment control plan and design basis of surface and subsurface drainage for protection against soil erosion during and after the construction period shall be provided. The plan shall include all grading and facilities proposed to control soil erosion and sedimentation during construction and proposed detention/retention facilities, in conformance with all applicable Pennsylvania Department of Environmental Protection and United States Soil

- Conservation Service regulations. A satisfactory letter shall be required from the Monroe County Conservation District on the soil erosion and sedimentation control plan prior to land development approval. *Disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit is required. (Previous Comment) Our previous comments have been satisfied. The NPDES Permit shall be provided to the Township upon receipt.*
23. In accordance with Sections 603.G.19, 1405.2.B, and 1405.5, if public sewer facilities are not available, the applicant/developer shall provide for sewage disposal on an individual lot basis according to the rules, regulations, terms, definitions and conditions of the individual sewage disposal system application and certification procedure for Monroe County, Pennsylvania. No final plan shall be approved for any subdivision or land development until satisfactory evidence has been presented by the applicant/developer to the Township that the SEO and/or the Pennsylvania Department of Environmental Protection have determined that the lots proposed for subdivision are generally suitable for on-lot septic systems. *(Previous Comment) The required approvals from the Pennsylvania Department of Environmental Protection for the proposed on-lot sewage disposal facility shall be obtained and provided to the Township upon receipt.*
24. Comment satisfied.
25. In accordance with Sections 603.G.24, 703.D, 703.D.2, and 1401.3, the applicant/developer shall supply to the Township a statement from a registered engineer detailing the demands that the proposed development will have on the existing public sanitary sewer and public water systems within the Township. The applicant/developer shall provide a fully executed reservation agreement or similar approval for the proposed water service. *(Previous Comment) Public water service is proposed. A will serve letter and fully executed reservation agreement from the Brodhead Creek Regional Authority shall be provided to the Township upon receipt.*
26. In accordance with Section 603.G.27, “if land to be subdivided lies partly in another municipality, the applicant/developer shall submit information concerning the location and design of streets, layout and size of lots and provision of public utilities on lands subject to this control within the adjoining municipalities. Evidence of review of this information by appropriate officials of the adjoining municipalities shall also be submitted.” *A portion of the project site is located within Stroud Township. The Applicant shall submit the proposed development to Stroud Township, and provide correspondence received from Stroud Township with subsequent submissions. (Previous Comment) The response letter indicates the proposed development was submitted to Stroud Township. Correspondence shall be provided upon receipt.*
27. Comment satisfied.
28. Comment satisfied.

29. Comment satisfied.
30. Comment satisfied.
31. In accordance with Section 1005, “wherever a central or public water supply system serves a development, provision shall be made for fire hydrants along streets or on the walls of nonresidential structures as approved by the Fire Company servicing the development in accordance with all prescribed State and county standards.” *The plan shall be provided to the fire department for review and comment. (Previous Comment) The response letter indicates the plan will be provided to the Marshalls Creek Fire Department.*
32. Comment satisfied.
33. Comment satisfied.
34. Comment satisfied.
35. In accordance with Section 1026.1, “outdoor collection stations shall be provided by applicant/developer for garbage and trash and for recyclable materials when individual collection is not made, and indoor storage is not provided. Stations shall be provided in all zoning districts except those devoted solely to single-family detached dwellings.” *The collection of refuse, and the location of a dumpster pad, shall be addressed and/or shown on the plan with the associated details. (Previous Comment) A dumpster location is now shown. Details of the dumpster pad and enclosure shall be provided on the plan.*
36. In accordance with Section 1026.2, “Collection stations shall be located so as to be separated adequately from habitable buildings to avoid being offensive or a fire hazard and shall be hidden from sight by a solid fence or wall and landscaped and be convenient for collectors and residents. Turning movement diagrams shall be provided demonstrating that the containers can be accessed by a collection truck safely.” *(New Comment) A turning movement diagram shall be provided.*
37. In accordance with Sections 1101.1.F.(2)(d)(1) and (2), “a fence must be provided around all detention or retention basins.” “Fencing shall be four (4) foot-high split rail fencing (three (3) rail) with vinyl (PVC) coated wire mesh on the outside of the rails or other impassible barrier as approved by the Township Supervisors.” *A 4-foot-high split rail fence is provided around Basin 2 (southerly basin on Sheet C.S.01), however, split rail fence is not provided around Basin 1 (westerly basin on Sheet C.S.01). (Previous Comment 36) The Applicant is requesting a waiver from the requirements of Section 1101.1.F.(2)(d)(1) to not be required to provide split rail fencing around Basin 1. The justification states, “The storage unit facility is surrounded by an eight-foot chain link fence. Basin 1 is located within the chain link fence surrounding the self-storage site. Access to the basin is required for snow removal storage.” Basin 1 does have a chain link fence surrounding it. Therefore, the request shall be revised to be Section 1101.1.F.(2)(d)(2) for the type of fence. We have no objection to this request.*

38. In accordance with Section 1101.1.F.(2)(e)(1), “there shall be a minimum of one (1) shade tree and three (3) shrubs proposed for every thirty (30) linear feet of stormwater management facility perimeter”. *The perimeter plantings for Basins 1 and 2 considers the existing woodlands as the buffer. Section 1102.1 states, “where existing vegetation exists which can meet the objectives of the buffer requirements, it shall be preserved and may be used to meet the buffer and planting requirements. Quantities, size, species, and locations of existing materials must be shown on plans and verified by the Township Engineer.” The calculations presented on the Landscape Plan (Sheet C.L.01) that utilize the existing woodlands as a buffer are acceptable. However, the plantings provided for Basin 1 (as labeled on Sheet C.L.01) shall be shown along the entire perimeter of the basin less the existing woodlands. Additionally, we believe shrubs should be intermixed with the trees at Basin 2 (as labeled on Sheet C.L.01). (Previous Comment 37) The Applicant is requesting a waiver from the requirements of this Section to be permitted to reduce the number of shrubs and trees required around the perimeter of the stormwater facility. The justification states, “Landscaping is proposed along the stormwater management facilities that are adjacent to neighboring properties. Due to the nature of the proposed project, landscaping to buffer the stormwater management facility from the proposed development is not necessary.”*

*We have no objection to this waiver request as it relates to Basin 1. We also believe the location of the proposed landscaping at Basin 1 provides a screen from the neighboring property as required in Comment 6.*

*Fourteen (14) trees and 41 shrubs are required at Basin 2. Nine (9) trees are proposed (5 additional trees are proposed at Rain Garden 3). Therefore, 5 trees and 41 shrubs are still required at Basin 2. The number of proposed plantings has been reduced when compared to the previous submission and we do not support the waiver request as it relates to Basin 2. In addition, the Landscape Requirements chart on Sheet C.L.01 shall be revised to include the 41 required shrubs at Basin 2.*

39. Previous Comment 38 satisfied.
40. Previous Comment 39 satisfied.
41. Previous Comment 40 satisfied.
42. In accordance with Sections 1103.5.A and 1103.5.C, “the tree protection area that is delineated on the site prior to construction shall conform to the approved development plans.” “A forty-eight (48) inch high snow fence or other suitable fence, mounted on steel posts located eight feet on center, shall be placed along the boundary of the tree protection area.” *Tree protection fencing shall be shown on the Landscape Plan (Sheet C.L.01) and ESC Plans (Sheets C.ES.01 and C.ES.02), and a detail shall be provided. The installation of tree protection fencing shall also be included in the Construction Sequence on the ESC Notes (Sheet C.DES.01). (Previous Comment 41) The Design Engineer responded, “One inch polyester strap is proposed to delineate protected trees.” This is not in compliance*



*with the requirements of this Section; however, we would have no objection to a waiver of this requirement.*

- 43. In accordance with Section 1301.5.D, “the Board of Supervisors may require the applicant/developer to provide a permanent drainage easement along any watercourse located within or along the boundary of any property being subdivided or developed. The required width of any such easement shall be determined by determining the extent of the width of flow from a fifty (50) year twenty-four (24) hour design storm or as determined by one (1) of the following: United States Army Corps of Engineers, Pennsylvania Department of Environmental Protection or other public agency having jurisdiction. The purpose of the easement is to maintain the free flow of the watercourse. The applicant/developer will retain the easement until such time as one (1) of the following is accomplished:
  - (1) The easement is offered for dedication by the applicant/developer and accepted by the Township.
  - (2) If an easement required by the Township is established, but not to be dedicated, the maintenance shall then be the responsibility of the individual lot owners through whose property the easement passes. For land developments, the maintenance shall then be the responsibility of the applicant/developer.
  - (3) A homeowners’ association or their legal entity approved by the Township assumes responsibility for the maintenance of the development, including the easements.”

*The Plans show a proposed drainage easement for Sambo Creek. The Engineer states in the response letter, “An easement is proposed to be dedicated to the Township. The proposed limits of the easement are indicated on Sheet C.C.01. The metes and bounds will be provided on the Lot Consolidation Plan and referenced on Sheet C.C.01.” (Previous Comment 42) The Board of Supervisors should consider the Applicant’s offer of the easement for dedication, a permanent drainage easement along Sambo Creek. If the Township accepts the permanent drainage easement, the Township then has the authority to enter the project site to maintain Sambo Creek as needed for the MS-4 program and/or other purposes.*

- 44. Previous Comment 43 satisfied.
- 45. Previous Comment 44 satisfied.
- 46. Previous Comment 45 satisfied.
- 47. Previous Comment 46 satisfied.
- 48. Previous Comment 47 satisfied.
- 49. In accordance with Section 1302.1.D, “final plans for minimizing erosion and

- sedimentation as approved will be incorporated into the Agreement and Financial Securities requirements as required by the Township.” *The construction cost estimate shall include the required erosion and sedimentation controls. (Previous Comment 48) The response letter indicates erosion and sedimentation controls will be included in the construction cost estimate.*
50. In accordance with Section 1302.3.B, “all land within a development shall be graded to drain and dispose of surface water without ponding, except where ponding in detention basins is part of the storm water management plan for the site.” *To ensure positive grading is accomplished, spot elevations shall be provided along the northern and eastern (along the proposed driveway) property lines where it is noted to “grade to promote positive flow around improvements”. (Previous Comment 49) The proposed grading has been revised and is now labeled with elevations. However, spot elevations shall still be provided along the eastern property line and the proposed swale on the northern property line to ensure positive drainage and that stormwater will not pond.*
51. In accordance with Section 1302.3.D, “edges of slopes shall be a minimum of five (5) feet from property lines or right-of-way lines in order to permit the normal rounding of the edge without encroaching on the abutting property”. *Proposed grading is shown closer than five (5) feet to the property lines. The grading shall be revised, or a waiver will be required. As discussed in Comment 54 below, we would have no objection to this request provided the existing property line is identified in the field. If a waiver is requested and granted, a note to this effect will be required on the plan. (Previous Comment 50) The Applicant is now requesting a waiver from Section 1302.3.D to permit grading closer than 5-feet to the property lines. We have no objection to this request provided the Construction Sequence be revised to include the delineation of property lines prior to construction.*
52. In accordance with Section 1302.3.H, “in general, swales for surface runoff shall have a minimum slope of two percent (2%).” *Swale 1 is proposed at a 1% slope, and it appears the grading can be revised to provide a minimum 2% slope. The plan should be revised. (Previous Comment 51) The Applicant is requesting a waiver from Section 1302.3.H to allow Swale 1 to be constructed at a 1% slope. The submitted justification states, “Swale 1 conveys runoff from the upstream self-storage unit pavement surface to Basin 1. The proposed slope follows the pavement slope to minimize the depth below the pavement. A 1% slope swale is consistent with DEP guidelines and will aid in water quality.” We have no objection to this request provided a note be placed on the plan referencing a 48-hour dewatering time as required by the Pennsylvania Stormwater Management BMP Manual.*
53. In accordance with Section 1302.4.A, “no excavation or fill shall be made with a face or surface slope steeper than three (3) horizontal to one (1) vertical unless a retaining wall or other soil retention method, constructed in accordance with approved standards, is provided to support the face or surface slope of said excavation or fill”. *Areas of grading are proposed at a two (2) to one (1) slope and shall be revised. (Previous Comment 52) The Applicant is requesting a waiver from Section 1302.4.A to allow slopes up to 2 horizontal*

*to 1 vertical (2:1). The submitted justification states, "There are portions of grading proposed at 2:1 slopes to minimize impacts to existing natural features (wetlands, woodlands, riparian buffers, etc.) In addition, 2:1 slopes are necessary to tie into existing grades (prior to the property lines) since the self-storage units must be proposed higher than the 100-yr flood elevations. Slopes at a grade of 2:1 are acceptable for the site soil types based on DEP standards." Erosion control matting is proposed on these steep slopes. We have no objection to this request.*

54. Previous comment 53 satisfied.
55. In accordance with Section 1302.4.D, "cut and fill shall not endanger adjoining property. All the outermost limits of all cuts and fills shall be a minimum of ten (10) feet from adjacent property lines. Where retaining walls greater than four (4) feet in height are proposed the face of such retaining wall shall be a minimum of ten (10) feet from all property lines. Retaining walls greater than six (6) feet shall be designed as a tiered wall with a minimum width of four (4) feet between walls." *Proposed grading at the culvert replacement, and along portions of the northwestern and southeastern property lines, is located closer than 10-feet to the existing property lines. Existing commercial properties exist near the culvert replacement, and woodlands exist along the northwestern and southeastern property lines. The Applicant is requesting a waiver to permit proposed grading closer than 10-feet to the property lines. We have no objection to this request; however, the affected property lines shall be located in the field. A note to this effect shall be placed on the plan. (Previous Comment 54) We have no objection to this request provided the Construction Sequence be revised to include the delineation of property lines prior to construction.*
56. In accordance with Sections 1503 and 1504, "no plan shall receive final approval unless the streets shown have been improved to a permanently passable condition, or improved as may be required by this Chapter, and any walkways, bikeways, curbs, gutters, streetlights, fire hydrants, shade trees, landscaping, parking lots, line striping, stormwater management facilities, erosion and sedimentation control measures, water mains, sanitary sewers, storm drains and other improvements as may be required by this Chapter or the Smithfield Township Zoning Ordinance [Chapter 27] have been installed. In lieu of the completion of any improvements, the applicant/developer shall furnish to the Township financial security with such surety as the Board of Supervisors shall approve, in an amount sufficient to cover the costs of any improvements which may be required. Such financial security shall provide for and secure to the public the completion of any improvements which may be required on or before the date fixed in the formal action of approval or accompanying agreement for completion of improvements. The amount of financial security to be posted for completion of the required improvements shall be equal to one hundred ten percent (110%) of the cost of completion estimated as of ninety (90) days following the date of scheduled for completion by the applicant/developer. Annually, the Township may adjust the amount of the financial security 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 ninetieth (90th) day after either the original date scheduled of

completion or a rescheduled date of completion. Subsequent to said adjustment, the Township may require the applicant/developer to post additional security in order to assure that the financial security equals said one hundred ten percent (110%). Any additional security shall be posted by the applicant/developer in accordance with this Section.” *A construction cost estimate shall be provided for review prior to plan recordation. (Previous Comment 55) The response letter indicates a construction cost estimate will be provided for review.*

57. In accordance with Section 1506.2, “the following is a list of items required for as-built drawings. Please note that additional items may be required on a case-by-case basis. Water and sewer as-built drawings should be coordinated with the respective authorities. The as-built plans shall consist of the original plans with design information struck with as-built information placed next to design information. If revised topography is needed due to a significant change in grade (+/-one-half (0.5) feet), the revised topography should be shown in a matter to distinguish it from design topography. The following items shall be provided on the as-built drawings:
- A. Storm sewer, including revised topography for basin/bmps (if needed), basin/bmp berm height and width, outlet structure elevations, emergency spillway elevation and length, basin/bmp volume calculations, storm pipes and inlets (including pipe size, slope, inverts, grate elevations), and location of all BMPs including snouts, bottomless inlets, depressed landscape islands, infiltration trenches, porous pavement, etc.
  - B. Light pole locations.
  - C. Sidewalk locations (if they are different from design).
  - D. Street/traffic signs.
  - E. Road elevations, layout, and striping (if intersections have been revised significantly revised, sight distance may be required).
  - F. Parking spaces including handicap spaces and access points.
  - G. Retaining wall locations and elevations.
  - H. Property corners/markers with surveyor’s certification.
  - I. Building Locations with tie distances to property lines.
  - J. Utility location in association with easements (i.e., is the utility centered on the easement, etc.).
  - K. Field changes not included elsewhere on this list.

- L. Other information as deemed necessary by the Township Engineer depending on site conditions.”

*A note requiring an as-built plan in accordance with Section 1506.2 of the Subdivision and Land Development Ordinance shall be provided on the plan. (Previous Comment 56) The requested note shall still be placed on the plan.*

### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

58. In accordance with Section 221.6, “where a development site is traversed by existing watercourses, drainage easements (for natural and artificial watercourse) shall be provided conforming to the line of such watercourses. The terms of the easement shall conform to the stream buffer requirements (for natural watercourses) contained in §223(I)(6) of this Part.” *The Board of Supervisors should consider requiring the Applicant to place and offer for dedication, a permanent drainage easement along Sambo Creek. If the Township accepts the permanent drainage easement, the Township then has the authority to enter the project site to maintain Sambo Creek as needed for the MS-4 program and/or other purposes. (Previous Comment 57) Refer to Comment 42.*
59. In accordance with Section 221.8, “any stormwater management facilities regulated by this Part that would be located in or adjacent to waters of the Commonwealth or wetlands shall be subject to approval by DEP through the joint permit application process, or, where deemed appropriate by DEP, the general permit process. When there is a question whether wetlands may be involved, it is the responsibility of the applicant to show that the land in question cannot be classified as wetlands, otherwise approval to work in the area must be obtained from DEP”. *The 100-year floodplain traversing the project site has a base flood elevation of 451. Proposed Basin 2 (as labeled on C.PC.02) and Rain Gardens 3 and 4 are located within the 100-year floodplain. The proposed spillway of Basin 2 is 450.3 and there is concern that the flood waters will enter the basin and the basin will not function as intended. In addition, Rain Gardens 3 and 4 have berm elevations of 450.0 and 449.0, respectively, therefore the rain gardens will not function as intended during a 100-year flood event. The Applicant shall address. (Previous Comment 58) The response letter indicates that the proposed basins and rain gardens are provided for water quality and to infiltrate/evapotranspiration the required volume for the NPDES permit, and that no detention is required. While we understand no detention is required in the Stormwater Management District, the site shall be designed to eliminate the occurrence of flooding within the basins and rain gardens. The deposition of sediment within the basins and rain gardens will occur as a result of the anticipated flooding. This will lead to decreased volume and storage. In addition, the best management practices will not function as modeled in the PCSM Module 2 for the 100 Year Storm. The designs shall still be revised.*
60. In accordance with Section 221.11, “roof drains shall not be connected to streets, sanitary or storm sewers or roadside ditches in order to promote overland flow and infiltration/percolation of stormwater where advantageous to do so. Considering potential pollutant



loading, roof drain runoff in most cases will not require pretreatment”. *The proposed roof drains shall be shown on the plan in accordance with this Section or a waiver will be required. (Previous Comment 59) The Applicant is requesting a waiver from Section 221.11 to allow roof leaders to be connected to storm sewers that discharge to the proposed basins. We have no objection to this request.*

61. Previous Comment 60 satisfied.

62. In accordance with Section 223.A, “for water quality and streambank erosion, the applicant shall design a water quality BMP to detain the proposed conditions two (2) year, twenty-four (24) hour design storm to the existing conditions one (1) year flow using the SCS Type II distribution. The applicant shall demonstrate that applicant has made provisions (such as adding a small orifice at the bottom of the outlet structure) so that the one (1) year storm takes a minimum of twenty-four (24) hours to drain from the facility from a point where the maximum volume of water from the one (1) year storm is captured (i.e., the maximum water surface elevation is achieved in the facility). At the same time, the applicant shall not attenuate the larger storms in “no detention” areas (District C) only. This can be accomplished by configuration of the outlet structure not to control the larger storms, or by a bypass or channel to divert only the two (2) year flood into the basin or divert flows in excess of the two (2) year storm away from the basin.” *A waiver is requested from Section 223.A to permit the post development 2-year storm event to be reduced to the predevelopment 2-year storm event (not the 1-year storm).*

*It appears Discharge Point 1 meets the required reduction (2-year post to 1-year pre). The post development peak flows of Total DP001 (including the proposed basins and rain gardens) for the 2-year storm (0.18 cfs) is reduced to below the predevelopment peak flow for the 1-year storm (2.30 cfs). The peak flow chart provided in PCSM Module 1 & Supporting Calculations should be revised accordingly. Should the Applicant believe a waiver for Discharge Point 1 is still required, additional information/clarification shall be provided as discussed above.*

*Discharge Point 2 does not meet the required reduction; however, the 2-year post development storm is reduced to below the 2-year predevelopment storm. Proposed grading is located within Discharge Point 2 and the discharge is directed as sheet flow toward existing woodlands. We have no objection to this request for Discharge Point 2. (Previous Comment 61) The justification for the water request states “The existing cover type onsite was modeled as meadow for consistency with the NPDES application being prepared for the project. A majority of the proposed improvements are being directed to onsite stormwater management facilities. However, a small portion of the driveway (at connection point) is not being managed due to site constraints and existing property boundary. This small area exceeds the allowable 1-year predevelopment flow from the site. To further provide water quality benefits, water quality inlets (for pre-treatment prior to discharging into the infiltration facilities) and native seeding mixes (which assist in pollutant removal) are proposed. Note this ordinance reduction is intended to provide water quality benefits; however, more recent water quality requirements are part of the*

***NPDES permit process. As this project requires an NPDES permit for stormwater discharges, these updated water quality benefits will be met.” We have no objection to this request.***

63. In accordance with Section 223.I.1.(d)(1)(a), the permitted activities within the inner wetland buffer shall be “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP and passive unpaved stable trails shall be permitted. No other earth disturbance, grading, filling, buildings, structures, new construction, or development shall be permitted.” ***Proposed grading, Rain Garden 4, and a portion of the proposed driveway, are located within the 50-foot inner wetland buffer. (Previous Comment 62) A waiver is requested from Section 223.I.1.(d)(1)(a) to permit the proposed improvements within the inner wetland buffer.***

***The request indicates that 0.40 acres, or 13%, of the total 3.12-acre inner wetland buffer is proposed to be disturbed for the proposed driveway and associated grading. The justification states that the layout of the project site eliminates the need to cross existing wetlands and to obtain permits from the Pennsylvania Department of Environmental Protection. We have no objection to this request.***

64. In accordance with Section 223.I.1.(d)(2)(a), the permitted activities within the outer wetland buffer shall be “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP, roads constructed to existing grade, unpaved trails, and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted provided no buildings are involved, and those activities permitted under §§223(I)(5) and 223(I)(6)”. ***Proposed grading, Basins 1 and 2, Rain Gardens 3 and 4, the proposed driveway, and project site including parking, driveways, and buildings, are located within the 100-foot outer wetland buffer. (Previous Comment 63) A waiver is requested from Section 223.I.1.(d)(2)(a) to permit the proposed improvements within the outer wetland buffer.***

***Per Section 223.I.1.(d)(2)(b), “no more than twenty (20%) percent of the cumulative outer buffer on the subject parcel shall be altered by the activities permitted in accord with §223(I)(2)(d)2”. The request indicates that 2.10 acres or 44% of the outer wetland buffer is proposed to be disturbed. The request also indicates that only 35% of the project site is not restricted by existing natural features. In accordance with Section 223.I.5, “in the case of legally pre-existing lots (approved prior to the effective date of this Part) where the useable area of a lot lies within an outer buffer area, the applicant shall obtain a waiver from the Board of Supervisors in accordance with Part 2H.” We have no objection to this request.***

65. Previous Comment 64 satisfied.
66. In accordance with Section 224.A.2.(a), “a minimum depth of twenty-four (24) inches

between the bottom of the BMP and the limiting zone” is required. *The limiting zones at Basin 1 (as labeled on Sheet C.PC.02) and Rain Gardens 3 and 4 are less than 2-feet below the proposed bottom of the stormwater management facilities, and the facilities shall be revised. (Previous Comment 65) The Applicant is requesting a waiver from this Section to allow the basins and grading as submitted. The justification states, “The Rain Gardens are essentially berms on existing ground and are located to have the driveway sheet flow into them. They cannot be raised without eliminating the storage. We will either need a waiver from this request and/or the volume requirements of the NPDES Permit. The other basins are already infiltrating the entire two year storms.”*

*Basin 1 and Rain Garden 4 have separations between the limiting zone and basin bottom of 1.60-feet ± and 1.30-feet ±, respectively. Given the design includes 18-inch deep constructed filters with the requirement to test infiltration post construction, we have no objection to this request.*

67. In accordance with Sections 224.A.2.(b) and 224.A.2.(c), “an infiltration and/or percolation rate sufficient to accept the additional stormwater load and drain completely as determined by field tests conducted by the applicant’s design professional” is required. “The recharge facility shall be capable of completely infiltrating the recharge volume within four (4) days”. *Infiltration is not utilized in the pond reports for Basin 1, Rain Garden 3, or Rain Garden 4. In addition, the test results at Rain Gardens 3 and 4 are not sufficient to empty the rain gardens within four (4) days. It is also noted that the testing is located outside of the rain gardens (approximately 30-feet away). Additional testing should be completed to determine the available infiltration at the location of the proposed rain gardens and/or soil media shall be provided. If soil media is provided, a note shall be placed on the plan indicating that post construction testing of the soil shall be completed to confirm infiltration rates and ensure the constructed rain gardens and basin meet the approved design. (Previous Comment 66) The Applicant is requesting a waiver from this Sections 224.A.(2)(b) and 224.A.2.(c). Eighteen (18) inch deep constructed filters are proposed at each basin and rain garden with the requirement to perform infiltration testing post construction. Therefore, we have no objection to this request.*
68. In accordance with Section 224.B.2, “provide site-specific infiltration test results (at the level of the proposed infiltration surface) in accord with ASTM Guide No. D 5126 to determine the appropriate hydraulic conductivity rate”. *The test conducted at Location SB-1 in Basin 1 (as labeled on Sheet C.PC.02) was not completed at the bottom of the infiltration basin, nor was it conducted in the same soil horizon. Additional testing is required. (Previous Comment 67) The Applicant is requesting a waiver from this Section to allow the shallow rain gardens to remain without additional testing. Eighteen (18) inch deep constructed filters are proposed at each basin and rain garden with the requirement to perform infiltration testing post construction. Therefore, we have no objection to this request.*
69. Previous Comment 68 satisfied.

70. In accordance with Section 226.2, “all calculations consistent with this Part using the soil cover complex method shall use the appropriate design rainfall depths for the various return period storms according to the region in which they are located as presented in Table B-1 in Appendix B. If a hydrologic computer model such as PSRM or HEC-1 is used for stormwater runoff calculations, then the duration of rainfall shall be twenty-four (24) hours. The SCS “S” curve shown in Figure B-1 of Appendix B shall be used for the rainfall distribution”. *PCSM Module 2 & Supporting Calculations utilize the NOAA Atlas 14 rainfall data, and a waiver is required. (Previous Comment 69) The Applicant is requesting a waiver from Section 226.2 to allow the use of NOAA Atlas 14 rainfall data in lieu of Appendix B. We have no objection to this request.*
71. Previous Comment 70 satisfied.
72. In accordance with Section 227.4, “any stormwater management facility (i.e., BMP, detention basin) designed to store runoff and requiring a berm or earthen embankment required or regulated by this Part shall be designed to provide an emergency spillway to handle flow up to and including the one hundred (100) year proposed conditions. The height of embankment must provide a minimum one (1.0) foot of freeboard above the maximum pool elevation computed when the facility functions for the one hundred (100) year proposed conditions inflow. Should any stormwater management facility require a dam safety permit under Chapter 105, the facility shall be designed in accordance with Chapter 105 and meet the regulations of Chapter 105 concerning dam safety which may be required to pass storms larger than the one hundred (100) year event”. *A waiver is requested from Section 227.4 to allow less than 1-foot of freeboard.*
- Per Section 223.A, the applicant shall not attenuate the larger storms in “no detention” areas (District C) only. This can be accomplished by configuration of the outlet structure not to control the larger storms, or by a bypass or channel to divert only the two (2) year flood into the basin or divert flows in excess of the two (2) year storm away from the basin. (Previous Comment 71) The basins and rain gardens control the 2-year storm with no discharge; therefore, we would have no objection to this request.*
73. In accordance with Section 227.6, “any other drainage conveyance facility that does not fall under Chapter 105 must be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm with a minimum one (1.0) foot of freeboard measured below the lowest point along the top of the roadway. Any facility that constitutes a dam as defined in Chapter 105 may require a permit under dam safety regulations. Any facility located within a PennDOT right-of-way must meet PennDOT minimum design standards and permit submission requirements.” *(Previous Comment 72) The following are our comments related to the HY-8 calculations provided in ESC Module 1 & Supporting Calculations for the proposed 10-foot wide by 3.5-foot-high box culvert.*
- a. Previous comment satisfied.

- b. *The storm events associated with the minimum design, and maximum flows utilized in the HY-8 calculations, shall be provided with supporting calculations. (Previous Comment) This Section requires that the proposed culvert be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm with a minimum one (1.0) foot of freeboard measured below the lowest point along the top of the roadway., However, the design flow (225cfs) noted in the HY-8 calculations is for the 25 Year Storm. The calculations shall be revised for compliance with this Section.*
  - c. Previous comment satisfied.
  - d. Previous comment satisfied.
  - e. Previous comment satisfied.
  - f. *Details of the proposed box culvert shall be provided on the plan. (Previous Comment 73.f) Details must still be placed on the plan.*
74. Previous Comment 73 satisfied.
75. In accordance with Sections 228.1 and 233.A.4, “any earth disturbance must be conducted in conformance with Chapter 102”, and the drainage plan submission shall include “an erosion and sediment control plan, including all reviews and letters of adequacy obtained by the Conservation District.” *Disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit is required. (Previous Comment 74) All correspondence with and approval from the Monroe County Conservation District and/or the Pennsylvania Department of Environmental Protection shall be provided to the Township.*
76. Previous Comment 75 satisfied.
77. Previous Comment 76 satisfied.
78. Previous Comment 77 satisfied.
79. Previous Comment 78 satisfied.
80. Previous Comment 79 satisfied.

#### **STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS**

- 81. Previous Comment 80 satisfied.
- 82. Previous Comment 81 satisfied.
- 83. Previous Comment 82 satisfied.



84. Previous Comment 83 satisfied.
85. Previous Comment 84 satisfied.
86. Previous Comment 85 satisfied.
87. Previous Comment 86 satisfied.
88. The proposed curb behind inlet 1-11 shall be extended to the southeast to provide consistency with the Inlet Drainage Area Map. ***(Previous Comment 87) The leader/arrow for the limit of proposed curb behind inlet 1-11 shall be revised on the Site Plan (Sheet C.S.01) for consistency with the proposed curb shown in plan view and consistency with the Inlet Drainage Area Map.***

#### **MISCELLANEOUS COMMENTS**

89. Previous Comment 88 satisfied.
90. Previous Comment 89 satisfied.
91. Previous Comment 90 satisfied.
92. The stop and one-way signs detailed on Sheet C.DS.01 shall be shown on the Site Plan (Sheet C.S.01). ***(Previous Comment 91) A stop sign shall also be provided where the proposed driveway meets Skyline Drive.***
93. Previous Comment 92 satisfied.
94. Previous Comment 93 satisfied.
95. Previous Comment 94 satisfied.
96. On the Storm Sewer Profiles plan (Sheet C.PR.01), the vertical scale listed for the profiles is incorrect and shall be revised. ***(Previous Comment 95) The graphic scale does not agree with the written scale of the Proposed Box Culvert Upstream Profiles, Proposed Box Culvert Downstream Profile, or the South Retaining Wall Elevation. The graphic scale shall be removed from the Plan.***
97. Previous Comment 96 satisfied.

#### **PLAN REVISION COMMENTS**

98. A Conditional Use for the proposed storage unit facility and its construction within the floodplain was granted by the Board of Supervisors at its meeting on November 10, 2021, with conditions. The Notes & Legends Plan (Sheet C.C.02) shall be revised to note the Conditional Use with its granted date and five conditions. ***(New Comment)***

99. The linework for the existing features and the building setback lines, and their metes and bounds are barely visible on the Site Plan (Sheet C.S.01) The Plan shall be revised for clarity. *(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.

We recommend the above comments be addressed to the satisfaction of Smithfield Township, prior to approval of the Preliminary/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, and 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,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Ronald J. Karasek, Esquire – Smithfield Township Solicitor  
Ken Wolf, Zoning Officer – Smithfield Township  
Julia Heilakka, Officer Manager – Smithfield Township  
Vincent & Charlie Trapasso – Applicants/Property Owners  
Nathan S. Oiler, P.E., RKR Hess – Applicants' Engineer  
Drew Wagner, 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

Fountainville Professional Building  
1456 Ferry Road, Building 500  
Doylestown, PA 18901  
215-345-9400  
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 13, 2022

Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**SUBJECT: FRANKLIN HILL MANOR PRELIMINARY LAND DEVELOPMENT PLAN  
LAND DEVELOPMENT REVIEW NO.1  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2132229R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our first Land Development Review of the Preliminary Land Development Plans for the above referenced project. The submitted information consists of the following items:

- Smithfield Township Application for Review of a Subdivision or Land Development.
- Stormwater Management Report prepared by JLS Surveying, LLC, dated October 12, 2021.
- Franklin Hill Manor Preliminary Land Development of the Lands of DE&S Properties, LLC (11 sheets) prepared by JLS Surveying, LLC, dated October 5, 2021.

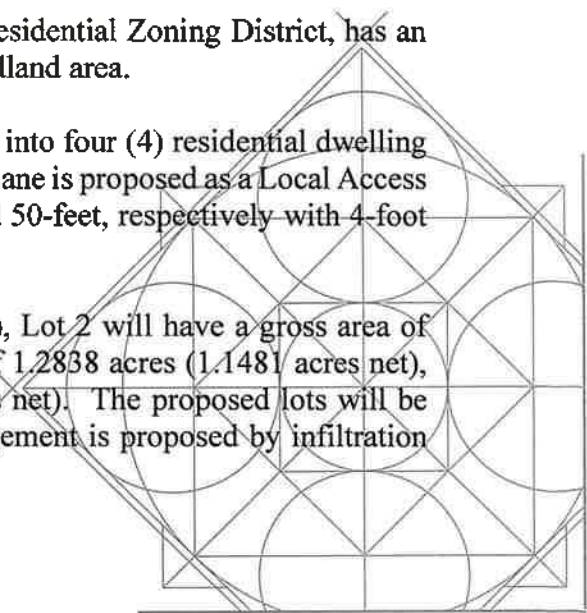
**BACKGROUND INFORMATION**

The Applicant is proposing the subdivision and land development of lands located on the eastern side of Franklin Hill Road, at its intersection with Albert Lane (private road).

The existing property is located within the R1, Low-Density Residential Zoning District, has an existing area of 6.1895 acres, and consists of wetlands and woodland area.

The proposed development includes the subdivision of the tract into four (4) residential dwelling lots that will take access from an improved Albert Lane. Albert Lane is proposed as a Local Access Street with its cartway and right-of-way widened to 22-feet and 50-feet, respectively with 4-foot shoulders.

Lot 1 will have a gross area of 1.5334 acres (1.4089 acres net), Lot 2 will have a gross area of 1.5353 acres (1.3971 acres net), Lot 3 will have a gross area of 1.2838 acres (1.1481 acres net), and Lot 4 will have a gross area of 1.8370 acres (1.5104 acres net). The proposed lots will be served by on-lot water and sewer services. Stormwater management is proposed by infiltration berms on each proposed lot.



Based upon 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 27-302.1, the Schedule of District Regulations notes a maximum building height of 35 feet. *The Zoning District Requirements Table on the Cover Sheet (Sheet 0) shall be revised to note the maximum allowable building height and the proposed building height for each lot.*
2. In accordance with Section 27-302.1, the Schedule of District Regulations notes a maximum building coverage of 20 percent. *The Zoning District Requirements Table on the Cover Sheet (Sheet 0) shall be revised to note the maximum allowable building coverage and the proposed building coverage for each lot.*
3. In accordance with Section 27-502.7.B, “Trees or other approved natural landscaping features, such as shrubbery, grass areas, ornamental bushes, or flower beds, shall be required in a ten (10) foot wide landscaped area along any street side property line except, at driveway opening. A four (4) foot wide landscaped area shall be required along each non-street side property line except at driveway openings. All such plantings shall be located on the site in a manner that will not interfere with traffic and safe sight vision. The maximum height of shrubbery and bushes shall be thirty-two (32) inches.” *The Plans shall be revised to provide the ten foot wide landscaped area along Albert Lane, as required by this Section. Also, refer to Comment 19.*

### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

4. In accordance with Section 22-603.A.2, the Subdivision/Land Development Plans shall contain the “Zoning regulations in a tabular format including ordinance requirements and proposed conditions including, but not limited to, yard setbacks, impervious cover, building coverage, minimum lot size requirements, minimum lot frontage, etc.” *The Zoning District Requirements Table on the Cover Sheet (Sheet 0) shall be revised to note the maximum allowable building coverage and the proposed building coverage for each lot. In addition, the Zoning District Requirements Table on the Cover Sheet (Sheet 0) shall be revised to note the maximum allowable building height and the proposed building height for each lot.*
5. In accordance with Section 22-603.A.6, the Subdivision/Land Development Plans shall provide “The zoning district and boundaries.” *The Plans shall be revised to provide the zoning district boundaries and the zoning on the adjacent tracts.*
6. In accordance with Section 22-603.A.9, the Subdivision/Land Development Plans shall provide “A location map for the purpose of locating the site showing the relation of the tract to adjoining property and to all streets, roads and municipal boundaries, zoning boundaries existing within eight hundred (800) feet of any part of the property proposed to be subdivided. The scale of the location map shall allow for easy interpretation of the items listed above.” *The location map on the Cover Sheet shall be revised to show the zoning boundaries.*

7. In accordance with Section 22-603.A.11, "A recent title report shall be submitted verifying any restrictions in the deed affecting the subdivision or development of the property, including, but not limited to, any underground, overhead or surface utility easements or rights-of-way. Copies of easements shall be submitted for review." *A recent title report shall be submitted, as required.*
8. In accordance with Section 22-603.A.13. "Signature blocks for the Township Planning Commission, Township Supervisors, Township Engineer, and County Planning Commission shall be included on all plan sheets which are intended to be recorded." *A signature block for the Township Engineer shall be provided on the Cover Sheet (Sheet 0).*
9. In accordance with Section 22-603.B.3, "If more than one sheet is necessary, each sheet shall be the same size and consecutively numbered to show its relation to the total number of sheets comprising the plan, i.e., Sheet No. 1 of 5, etc." *The numbering of the Plan sheets shall be revised accordingly.*
10. In accordance with Section 22-603.C, the Subdivision/Land Development Plans shall contain a Site Context Map "showing the location of the proposed subdivision or land development within its neighborhood context shall be submitted." Section 22-603.C.1. requires, "For sites under one hundred (100) acres, such maps shall be at a scale not less than one (1) inch = two hundred (200) feet and shall show the relationship of the subject property to natural and man-made features existing within one thousand (1,000) feet of the site." Section 603.2 outlines the required features to be provided on the Site Context Map. This Section allows that the required information may be superimposed on an aerial photograph. *A Site Context Map shall be prepared to provide the information required by this Section and submitted to the Township as part of the Subdivision and Land Development Plan Set. An aerial map showing information within 1,000 feet of the project site will be accepted, and a partial waiver request will be required.*
11. In accordance with Section 22-603.D, the Subdivision/Land Development Plans shall contain an Existing Resources and Site Analysis Plan. Section 22-603.D.2 requires "The plan shall be prepared as an overlay on top of aerial photography of the site." *The Existing Features & Site Analysis Plan (Sheet 2) shall be revised accordingly.*
12. In accordance with Section 22-603.D.4, the Subdivision/Land Development Plans shall provide "The location, name and right-of-way and cartway widths of all streets bordering the land to be developed or subdivided, including State and local traffic route numbers." *The Plans shall be revised to show the cartway widths of Franklin Hill Road and Albert Lane. In addition, the Township Route number of Franklin Hill Road shall be provided on the plan.*
13. In accordance with Section 22-603.D.12, the Subdivision/Land Development Plans shall show "Existing buildings (and their uses), driveways, sewer lines, storm drains, culverts, bridges, utility easements, quarries, railroads and other significant man-made features within 200 feet of and within the site (this includes properties across roadways). If significant features exist further than 200 feet, the Township may require their inclusion." *The Plans shall be revised accordingly.*



14. In accordance with Section 22-603.D.13.(h), “Wetlands shall be defined by metes and bounds.” *The Plans shall be revised to provide the metes and bounds of the wetland boundary.*
15. In accordance with Section 22-603.E.1, “A preliminary resource impact and conservation analysis shall be prepared for all major subdivisions and land development applications to categorize the impacts of the proposed activities and physical alterations on those resources shown on the existing resources and site analysis. All proposed improvements, including, but not limited to, grading, fill, streets, buildings, utilities and stormwater management facilities, as proposed in the other proposed preliminary plan documents, shall be taken into account in preparing the preliminary resource impact and conservation analysis, which shall clearly demonstrate that the applicant/developer has minimized site disturbance to the greatest extent possible.” *A resource impact and conservation analysis chart shall be provided on the plan and shall include the existing and proposed areas and percentage of disturbance of all existing natural features including their associated buffers (i.e., woodlands, wetlands, etc.).*
16. In accordance with Section 22-603.G.2, the Subdivision/Land Development Plans shall show “Building setback lines established by zoning or other ordinances or deed restrictions with distances from the right-of-way line. Building setback lines from floodplains, water features and wetlands shall be shown as chords and defined by metes and bounds. Building setback lines shall be truncated where an easement, buffer, or right-of-way is proposed which would limit the ability of future homeowners from building.” *The Subdivision Plan (Sheet 3) shall be revised to dimension the building setback lines on all proposed lots. It appears the rear yard setbacks differ on Proposed Lots 1 and 2. In addition, building setback lines shall be revised to not pass through the existing wetland or buffer.*
17. In accordance with Section 22-603.G.6, the Subdivision/Land Development Plans shall show “The layout of all streets and walkways, including names and widths of cartways and rights-of-way.” *The Subdivision Plan (Sheet 3) shall dimension the width of the proposed cartway and right-of-way of the improved/widened Albert Lane.*
18. In accordance with Section 22-603.G.7, the Subdivision/Land Development Plans shall provide “Typical cross sections and existing and proposed center line profile for each proposed or widened street shown on the plan, including all street extensions or spurs as are reasonably necessary to provide adequate street connections and facilities to adjoining developed or undeveloped areas, and including the profile for proposed sanitary sewers, water mains and storm drains showing manholes, inlets and catch basins. Profiles of existing streets to be widened, extended or improved shall extend two hundred (200) feet beyond the tract boundaries.” *The Albert Lane proposed profile, on the Site Details Sheet (Sheet 10), shall be revised to show the existing/proposed storm sewer. In addition, profiles of the proposed driveway pipes and the existing storm sewer shall also be provided on the plan.*
19. In accordance with Sections 22-603.G.14 and 1101, the Subdivision/Land Development Plans shall contain a landscape plan showing all required street trees, buffers, tree protection areas, a plan for tree protection during construction designed to meet the requirements of §1103 of this Chapter and other required plantings, as required by §1101

of this Chapter and other Township ordinances. *A Landscape Plan shall be prepared in accordance with the requirements of Sections 22-1101 and 22-1103 and submitted for review.*

a. In accordance with Section 22-1101.C.1., "Street Trees. When Required. Street trees shall be required for any subdivision or land development where suitable street trees do not exist as part of the design and construction of:

i. Existing streets, sidewalks, pedestrian ways, highways, bicycle trails or pathways that abut or lie within the subdivision or land development."

*The Plans show the removal of existing trees along Franklin Hill Road and Albert Lane. The Plans shall be revised to provide street trees along the frontage of Franklin Hill Road and Albert Lane in accordance with the requirements of Section 1101.C.*

b. In accordance with Section 22-1103.1, "Tree protection areas shall be delineated to implement the standards contained in the Township Zoning Ordinance [Chapter 27] and this Chapter regarding preservation of trees and woodlands." *The E & SPC Plan (Sheet 5) shall be revised to provide tree protection fence along the limits of disturbance of the existing trees and wooded areas. In addition, tree protection fence notes shall be added to the E & SPC/PCSM Details Plan (Sheet 8) to demonstrate compliance with Section 1103.*

20. In accordance with Section 22-603.G.15, "A lighting plan in accordance with the requirements of this Chapter and the Smithfield Township Zoning Ordinance [Chapter 27] shall be submitted." *A Lighting Plan shall be prepared and submitted as required.*

a. In accordance with Section 22-1017, "Should the Board of Supervisors deem it necessary or desirable to cause street lighting to be installed for safety or security considerations within a major or minor subdivision, the following shall be considered the obligation of the applicant/developer:

A. Streetlights shall be located at all intersections of new streets and an existing collector or other roads and at the intersection of a collector road and any other collector or arterial road, at an intersection of a commercial, industrial, or institutional use driveway with a public street (such fixture shall be privately owned and maintained), and at curves in a street with a three hundred (300) foot or sharper horizontal curve.

B. Lighting design shall be in accordance with the applicable IESNA Standards. Calculations and plans demonstrating compliance with intensity and uniformity ratios shall be submitted.

C. All lighting shall be properly directed, reflected, or shielded to avoid glare, to avoid shining light directly into the eyes of motorists and to direct lighting away from neighboring dwellings. Shields, visors, hoods, and careful aiming shall be used as necessary to control the direction of lighting. Luminaries that are near

residential areas shall utilize cut-off type fixtures that direct lighting away from neighboring properties.

- D. Lighting shall not cause nighttime spillover of light that exceeds one-half (0.5) horizontal footcandles.
- E. Light poles and luminaries shall be shown on the plans and should be acceptable to the Township.”

*The Township shall determine if lighting will be required along Albert Lane and/or at its intersection with Franklin Hill Road. If deemed necessary, a Lighting Plan shall be submitted which demonstrates compliance with this Section.*

- 21. In accordance with Sections 22-603.G.17.(b) and 22-1302.1.E.(1), Soil Erosion and Sedimentation Control Plan. The plan shall include all grading and facilities proposed to control soil erosion and sedimentation during construction and proposed detention/retention facilities, in conformance with all applicable Pennsylvania Department of Environmental Protection and United States Soil Conservation Service regulations. A satisfactory letter shall be required from the Monroe County Conservation District on the soil erosion and sedimentation control plan. *The proposed limit of disturbance is greater than 1 acre, therefore a Pennsylvania Department of Environmental Protection NPDES permit is required. All submissions and correspondence, and the approved permit shall be provided to the Township upon receipt.*
- 22. In accordance with Section 22-603.G.18, the Subdivision/Land Development Plans shall contain “The location and type of all traffic control signs, signals and devices proposed to be installed.” *The Subdivision Plan shall be revised to show the proposed and existing traffic signage, including a stop sign at the intersection with Franklin Hill Road. Associated details shall also be provided on the plan.*
- 23. In accordance with Section 22-603.G.19, “Where on-site sewage disposal facilities are proposed, a statement from the Township SEO, with regard to the suitability of the soil to absorb sewage wastes and the appropriate planning modules” shall be submitted. *A copy of the statement shall be submitted to the Township upon receipt.*
- 24. In accordance with Section 22-603.G.21, the Subdivision/Land Development Plans shall contain “A statement or certificate by the applicant/developer indicating that, to the best of his or her knowledge, the plans are in conformity with engineering, zoning, building, sanitation and other applicable Township ordinances and regulations and, if they are not so conforming, detailing the areas of nonconformance and the reasons for requesting a modification to the Township standards.” *The Cover Sheet (Sheet 0) shall be revised to include this certification.*

25. In accordance with Section 22-603.H.1, “The improvement construction plan shall be at any of the following scales:

Horizontal	20'/inch	50'/inch
Vertical	2'/inch	5'/inch”

*The Albert Lane Proposed Profile on the Details Sheet (Sheet 10) shall be revised to provide the horizontal and vertical scales of the profile.*

26. In accordance with Section 22-603.H.2.(b)(2), the road profile shall show the “Proposed centerline grade with percent on tangents and elevations at fifty (50) foot intervals, grade of intersection and both ends of curb radii.” *The Albert Lane Proposed Profile shall be revised to show the existing and proposed centerline elevations at 50-foot intervals.*

27. In accordance with Section 22-603.H.2.(b)(3), the road profile shall provide the “Vertical curve data, including length, elevations and minimum sight distances as required by the Engineer.” *The Albert Lane Proposed Profile shall be revised to show the beginning of vertical curve (BVC) station and elevation, the point of vertical intersection (PVI) station and elevation, the end of vertical curve (EVC) station and elevation, and the vertical distance from the PVI to the centerline road surface.*

28. In accordance with Section 22-603.H.3.(b). the storm sewer profile shall provide the following:

- 1) “Profile of existing ground surface with elevations at top of manholes or inlets.
- 2) Profile of storm drain and subsurface drains or sewer, showing type and size of pipe, grade, cradle, manhole and inlet locations.”

*The Plans shall be revised to provide storm sewer profiles (driveway pipes and existing storm sewer) with the information required by this Section.*

29. In accordance with Section 22-902.3.A, “On all applications where improvement construction plans are required, the following note shall appear on the record plan: “Sheets two (2) through --- inclusive, on record at Smithfield Township, shall be considered a part of the approved final plan as if recorded with same.” *The note shall be added to the Cover Sheet (Sheet 0), accordingly.*

30. In accordance with Section 22-902.3.B.(1), the Subdivision/Land Development Plans shall contain “The seal and signature of the Registered Land Surveyor certifying that the plan represents a survey made by him, that the monuments shown hereon exist as located and that the dimensional and geodetic details are correct.” *The existing certification on the Cover Sheet, (Sheet 0) shall be revised to include the required language.*

31. In accordance with Section 22-1002.5, “Where no public water supply is available to the subdivision or land development, the Township shall require the applicant/developer to obtain from a licensed testing laboratory certificates of approval for each lot as to the quality and adequacy of the water supply proposed to be utilized by the

- applicant/developer.” In addition, and in accordance with Section 22-1402.E, “The site plan shall contain a plan notation stating that any proposed well is subject to the provisions of the well construction standards, which includes requirements for well permitting, water quality testing, and well production certification.” *The notes shall be added to the Cover Sheet (Sheet 0).*
32. In accordance with Sections 22-1006.5 and 6, “the arrangement of streets shall provide for continuation of existing or platted streets and for proper access to adjoining undeveloped tracts suitable for future development. Where the subdivision or land development adjoins undeveloped land, stub streets shall be provided to the boundary lines with temporary easements for turnarounds unless otherwise specified in this Chapter or by the Township. When utilities are provided for future connection by adjacent lands they shall be placed to allow the greatest possible connection options (i.e., placing sanitary sewer inverts at the lowest possible elevation, etc.)” “Stub streets greater in length than one (1) lot depth shall be provided with a temporary turnaround to the standards required for cul-de-sacs or shall be paved to the full width of the right-of-way for the last seventy-five (75) feet of their length.” *Improved Albert Lane is proposed to connect to existing Albert Lane. Existing Albert Lane will remain as a private road, therefore a cul-de-sac or additional paving as required by Section 1006.6 shall be provided within the project site to provide a turn around area for personal and emergency vehicles. The cul-de-sac shall be designed per the requirements of Section 22-1013. Turning analyses of the cul-de-sac or paved area shall be provided to show accessibility of emergency vehicles.*
33. In accordance with Section 22-1015.1, “Sidewalks. Sidewalks shall be required on both sides of all streets in major subdivision plans and land developments. Street sidewalks shall have a minimum width of four (4) feet, unless otherwise approved by the Board of Supervisors. There shall be a minimum three (3) foot-wide planting strip, between the curb and sidewalk along local streets and ten (10) feet along collector or arterial streets. This grass planting strip can be used for the location of the underground utilities.” *Sidewalk is required along Albert Lane and the plan shall be revised.*
34. In accordance with Section 22-1019.4, “Final plans shall show locations of all utilities and shall be coordinated with required street tree planting.” *The PCSM Plan (Sheet 4) shall be revised to show the proposed utilities and street trees.*
35. In accordance with Section 22-1023.5, “Where stormwater or surface water will be gathered within the subdivision or land development and discharged or drained in volume over lands within or beyond the boundaries of the subdivision or land development, the applicant/developer shall reserve or obtain easements over all lands affected thereby, which easements shall be adequate for such discharge of drainage and the carrying off of such water and for the maintenance, repair and reconstruction of the same by vehicles, machinery and other equipment for such purposes, and which shall be of sufficient width for such passage and work. The applicant/developer shall convey, free of charge or cost, such easements to the Township upon demand.” *The Plans shall be revised to provide easements for the proposed stormwater management BMP’s on each lot. The easements shall provide access from Albert Lane and extend to and around the proposed BMPs. In addition, the proposed development discharges stormwater through existing 12-inch and*



*15-inch storm sewer pipes and toward neighboring properties. Easements for construction and maintenance will be required. The proposed easements shall be monumented per Section 22-1023.6.*

36. In accordance with Section 22-1025.1, "Monuments shall be placed at each change in direction of boundary, two (2) to be placed at each street intersection and one (1) on one (1) side of each street at angle points and at the beginning and end of curves. Utility easements shall be monumented at their beginning, at their end, and at changes in direction, and areas to be conveyed for public use shall be fully monumented at their external boundaries." *The Subdivision Plan (Sheet 3) shows pins set along the existing right-of-way of Albert Lane; however, the right-of-way is proposed to be widened. Monuments shall be placed along the proposed right-of-way at each proposed lot line and at the Franklin Hill Road Right-of-Way.*
37. In accordance with Section 22-1204.A, "Development of five (5) or fewer dwelling units, that do not include land that is adjacent to existing publicly owned land, shall be required to pay a recreation and open space fee in lieu of dedicating land and/or constructing recreation improvements." *The Applicant shall be required to pay the fee in lieu of dedicating land and/or constructing recreation improvements.*
38. In accordance with Section 22-1301.7.L.(2), "Energy-dissipating devices (rip-rap, end sills, etc.) shall be placed at all basin outlets." *The PCSM Plan (Sheet 4) shows:*
  - a. *the outlet pipe from the stormwater detention berm on Lot 1 discharging within the right-of-way of Franklin Hill Road towards the property across the street (Parcel Number 16/7/2/23-1 owned by Joseph M. and Nancy Shukaitis). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 1.*
  - b. *the outlet pipe from the stormwater detention berm on Lot 4 discharging within the right-of-way of Albert Lane towards the property across the street (Parcel Number 16/7F/1/9 owned by Lynn C. and Susan D. Lesoine). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 4 and Albert Lane.*

*Riprap energy dissipators shall be provided at the discharge points of the 12-inch RCP pipe from Lot 1 and the 15-inch CMP from Lot 4. It appears this may require approval from the adjoining property owners and associated easements for construction and future maintenance.*

39. In accordance with Section 22-1301.7.O.(1), "A fifty (50) year storm for the design of all stormwater systems" shall be used. *The 10-year storm peak flow rate was used for the design of Swale #1 and the 25-year storm was used for the design of Swale #2, Swale #3, and Swale #4 in the Stormwater Management Report. The Stormwater Management Report and the Plans shall be revised to utilize the 50-year storm peak flow rate for the design of the swales.*
40. In accordance with Section 22-1301.7.O.(2), "In all cases where storm drainage is picked

- up by means of a headwall or inlet structure, a hydraulic inlet or outlet conditions control, the pipe shall be designed as a culvert for a fifty (50) year storm." *Calculations shall be provided for the 12-inch RCP pipe which crosses Franklin Hill Road for Lot #1, the 15-inch pipe which crosses Lot 4 and the proposed driveway pipes/culverts to demonstrate that each pipe has the capacity to carry the 50-year storm peak flow.*
41. In accordance with Section 22-1301.7.Q.(2), "The minimum diameter of all storm drainage pipe shall be eighteen (18) inches or an equivalent thereto. Where headroom is restricted, equivalent pipe arches may be used in lieu of circular pipe." *The Plans show an existing 12-inch RCP and an existing 15-inch CMP, which will be used to convey flow from Lot 1 and Lot 4. The pipes are existing; however, the Applicant is proposing to connect a concrete headwall to each pipe and direct a swale to each of the headwalls. In addition, the proposed driveway pipes/culverts are 15-inch HDPE. A waiver will be required to utilize the existing 12-inch RCP pipe. Calculations demonstrating the existing 12-inch storm sewer pipe has the capacity to carry the 50-year storm peak flow as required by Section 22-1301.7.O.(2) shall be provided in support of any waiver request.*
42. In accordance with Section 22-1301.7.Q.(6), "The top of storm drainage pipes beneath cartways shall be at least six (6) inches below sub-grade elevation. Cast iron pipe may be placed within three (3) inches of sub-grade elevation. Outside of cartways, all pipes shall have a minimum cover of one (1) foot." *The Plans shall be revised to provide a profile/cross-section of the proposed driveway pipes/culverts for Lots 2, 3 and 4 to demonstrate compliance with this Section. In addition, the Albert Lane Proposed Profile shall be revised to show the existing 15-inch CMP crossing to demonstrate compliance with this Section.*
43. In accordance with Section 22-1302.3.A, "All lots, tracts or parcels shall be graded to provide proper drainage away from buildings and dispose of it without ponding." *The proposed grading for Lots 2, 3 and 4 as shown on the PCSM Plan (Sheet4) directs stormwater to the proposed houses. In addition, the outside grade for all four proposed houses is higher than the proposed finished floor elevation (FFE). The grading shall be revised, and spot elevations shall be provided at the building corners and grade break points shall be provided to demonstrate positive surface drainage away from the proposed houses.*
44. In accordance with Section 22-1302.3.I, "Garage floor and first floor elevations shall be shown on the proposed grading plan. First floor elevations shall be based on architectural details of the proposed building." *The PCSM Plan (Sheet 4) shall be revised to note the garage floor elevation for each proposed house.*
45. In accordance with Section 22-1302.L, "Proposed spot elevations for swale high points and at lot corners shall be shown on the grading plan." *The PCSM Plan (Sheet 4) shall be revised accordingly.*
46. In accordance with Section 22-1302.M, "The grading plan shall not allow concentrated runoff on adjoining properties." *The PCSM Plan (Sheet 4) shows:*
- a. *the outlet pipe from the stormwater detention berm on Lot 1 discharging within the*

*right-of-way of Franklin Hill Road towards the property across the street (Parcel Number 16/7/2/23-1 owned by Joseph M. and Nancy Shukaitis). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 1.*

- b. *the outlet pipe from the stormwater detention berm on Lot 4 discharging within the right-of-way of Albert Lane towards the property across the street (Parcel Number 16/7F/1/9 owned by Lynn C. and Susan D. Lesoine). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 4 and Albert Lane.*

*Predevelopment and post development calculations in support of the existing pipes shall be provided to determine if the existing pipe capacity is sufficient for the post development stormwater flow and whether an increase or decrease will occur between the pre and post development conditions. In addition, a riprap energy dissipator shall be provided at the discharge point of the 12-inch RCP pipe from Lot 1 and the 15-inch CMP from Lot 4. It appears this may require approval from the adjoining property owners and associated easements for construction and future maintenance will be required. Also refer to Comment 38.*

47. In accordance with Sections 22-1405.2.B and 22-1405.5, “if public sewer facilities are not available, the applicant/developer shall provide for sewage disposal on an individual lot basis according to the rules, regulations, terms, definitions and conditions of the individual sewage disposal system application and certification procedure for Monroe County, Pennsylvania”. “Requirements for Final Plan Approval. No final plan shall be approved for any subdivision or land development until satisfactory evidence has been presented by the applicant/developer to the Township that the SEO and/or the Pennsylvania Department of Environmental Protection have determined that the lots proposed for subdivision are generally suitable for on-lot septic systems.” *The Sewage Facilities Planning Module for the proposed on-lot sewage disposal systems shall be completed and approved by the Pennsylvania Department of Environmental Protection. Approval shall be provided to the Township upon receipt.*

#### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

48. In accordance with Section 26-223.I.(1)(d), “Wetland and vernal pond buffer delineation - a fifty (50) foot inner buffer and one hundred (100) foot outer buffer, measured perpendicular to and horizontally from the edge of the delineated wetland or vernal pond for a total distance of one hundred fifty (150) feet, shall be maintained for all wetlands and vernal ponds.” *The Plans shall be revised to show the 50 foot inner buffer and 100 foot outer wetlands buffer on Lot 4 as required by this Section.*

- a. In accordance with Section 26-223.I.(1)(d)(2)(a), “Permitted activities/development -stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP, roads constructed to existing grade, unpaved trails, and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted

provided no buildings are involved, and those activities permitted under §§223(I)(5) and 223(I)(6)".

*The proposed house and driveway are located within the outer wetlands buffer for the existing wetlands on Lot 4. The Plans shall be revised to show the outer wetlands buffer and the proposed house and driveway shall be removed from the wetlands buffer.*

49. In accordance with Section 26-224.A.3, "The size of the recharge facility shall be based upon the following volume criteria: (a) NRCS curve number equation." *The NRCS Curve Number equation was not utilized for the Infiltration Berm design. Due to the small scale of the recharge facilities, we would support a Waiver from this Section if requested by the Applicant.*
50. In accordance with Section 26-228.2.B, "Infiltration BMPs shall not be constructed nor receive runoff until the entire contributory drainage area to the infiltration BMP has achieved final stabilization." *This note shall be added to the PCSM Plan (Sheet 4).*
51. In accordance with Section 26-233.B.19, the Drainage Plan shall include "A twenty (20) foot wide access easement to and around all stormwater management facilities that would provide ingress to and egress from a public right-of-way." *The PCSM Plan (Sheet 4) shall be revised to provide a twenty (20) foot access easement from Albert Lane, and to and around the proposed infiltration berms.*
52. In accordance with Section 26-233.B.22, the Drainage Plan shall include "A statement, signed by the applicant, acknowledging that any revision to the approved drainage plan must be approved by the Township and that a revised erosion and sediment control plan must be submitted to the Conservation District for a determination of adequacy." *The required signed statement shall be provided on the Cover Sheet (Sheet 0).*
53. In accordance with Section 26-234, "For any activities that require an NPDES permit for stormwater discharges from construction activities, or a DEP joint permit application, or a PennDOT highway occupancy permit, or any other permit under applicable state or Federal regulations, or are regulated under Chapter 105 or Chapter 106, the proof of application for said permit(s) or approvals shall be part of the drainage plan application. The application shall be coordinated with the State and Federal permit process and the SALDO [Chapter 22] review process." *The proposed limit of disturbance is greater than 1 acre, therefore a Pennsylvania Department of Environmental Protection NPDES permit is required. All submissions and correspondence, and the approved permit shall be provided to the Township upon receipt.*

#### **STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS**

54. The swale section provided in the Stormwater Management Report shows a 2-foot depth for the swale, however, the proposed grading of the swale and improved Albert Lane, as shown on the PCSM Plan (Sheet 4) and the E&SPC Plan (Sheet 5) appears to provide a maximum depth of one (1) foot. The Stormwater Management Report shall be revised for consistency with the Plans.

55. The Stormwater Management Report shall be revised to provide a summary table of the Predevelopment and Post Development Peak Discharge Rates and Volumes for each point of interest.
56. The drainage area information noted and utilized in the Stormwater Management Report for Infiltration Berms #2, #3 and #4 is the same for all three berms but does not appear to be correct regarding the drainage area size. The drainage areas to Infiltration Berms #2, #3 and #4, as shown on the PCSM Plan, appear to be larger in size than the areas utilized in the Report. The Stormwater Management Report shall be revised to utilize the correct drainage area size for Infiltration Berms #2, #3 and #4.
57. The Pond Reports in the Stormwater Management Report for Infiltration Berms #1, #2, #3 and #4 model the infiltration berms with a berm height of three (3) feet and a weir. The On-Lot Infiltration Berm Specifications chart on the PCSM/Site Details Plan (Sheet 9) notes a berm height of two (2) feet and the plans do not show any of the infiltration berms having a weir. The maximum 100-year high water elevation for Infiltration Berm #1 is noted in the Stormwater Management Report as 682.21, however, the top of berm elevation noted in the On-Lot Infiltration Berm Specifications chart is 682.00. All proposed berms shall retain the 100-year storm event. The Stormwater Management Report or plan shall be revised accordingly.
58. The Pond Reports in the Stormwater Management Report for Infiltration Berms #1, #2, #3 and #4 note outlet pipes for each infiltration berm, however, the Plans do not show outlet pipes for any of the infiltration berms. The Stormwater Management Report or plan shall be revised accordingly.
59. The PCSM Plan shows a proposed headwall on Lot #1 downstream of Infiltration Berm #1 connecting to the existing 12-inch RCP pipe at the intersection of Franklin Hill Road and Albert Lane. A detail of the proposed headwall shall be added to the PCSM/Site Details Plan (Sheet 9).
60. The PCSM Plan shows a proposed headwall on Lot #4 adjacent to and at the downstream side of Infiltration Berm #4. It appears that the proposed invert of the headwall is approximately two (2) feet below grade. It is unclear why a headwall is proposed with the upstream invert two feet below grade at the downstream side of the berm. The Design Engineer/Surveyor shall clarify the proposed function of the headwall and the Plans shall be revised to provide a detail of the headwall and pipe extension/connection, as well as a cross-section through Infiltration Berm #4 at the proposed headwall.

#### **MISCELLANEOUS COMMENTS**

61. The use of the existing 50-foot wide strip of land to the north of the project site and labeled with Deed Book 2549, Page 864 shall be identified.
62. The building setback lines and setback dimensions shall be darkened on the Plans for legibility.
63. The Plans shall be revised to provide the bearings and distances of the right-of-way line



along the site frontage. In addition, the Subdivision Plan (Sheet 3) shall be revised to dimension the side lot lines of each lot between the title and proposed Albert Lane Right-of-Way. Lot closure reports for the gross and net areas of each proposed lot, as well as the proposed right-of-way of Albert Lane shall be provided prior to plan recordation.

64. The Applicant shall address whether improved Albert Lane will be offered for dedication to the Smithfield Township as a Local Access Street. Per the definition of a Local Access Street, "a local street may or may not be dedicated."
65. The Subdivision Plan (Sheet 3) and the PCSM Plan (Sheet 4) show the proposed improvements to Albert Lane along the site frontage. The proposed centerline of the improved Albert Lane at the eastern corner of the site is not aligned with the existing centerline. The plans shall be revised to provide a sufficient transition from the existing edge of pavement of Albert Lane to the proposed edge of pavement of Albert Lane and to align the proposed and existing centerlines.

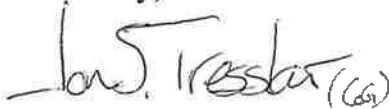
The above comments represent a thorough and comprehensive review of the information submitted with the intent of giving the Township the best direction possible. However, due to the number and nature of the comments in this review, the receipt of new information may generate new comments.

We recommend the above comments be addressed to the satisfaction of Smithfield Township prior to approval of the Subdivision and Land Development Plan.

In order to facilitate an efficient re-review of revised plans, the Surveyor shall provide a letter, addressing item by item, their action in response to each of our comments. Paper and electronic copies of all documents shall be provided with subsequent submissions.

If you should have any questions, please contact me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/mep/cg

cc: Ronold J. Karasek, Esquire – Smithfield Township Solicitor  
Ken Wolf, Zoning Officer – Smithfield Township  
Julia Heilakka, Officer Manager – Smithfield Township  
Jonathan L. Shupp, JLS Surveying, LLC – Applicant’s Surveyor  
Tighe Meckes, JLS Surveying, LLC – Applicant’s Engineer  
David Wengerd, D E&S Properties, Inc./Classic Quality Homes – Applicant/Property Owner  
Lori Kerrigan, Head Resource Conservationist – Monroe County Conservation District  
Melissa E. Prugar, P.E. – Boucher & James, Inc.



June 9, 2022

Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**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

**SUBJECT: FRANKLIN HILL MANOR PRELIMINARY LAND DEVELOPMENT PLAN REVIEW NO. 2  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2132229R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our second review of the Preliminary Land Development Plans for the above referenced project. The submitted information was prepared by JLS Surveying, LLC and consists of the following items:

- Letter of Response dated April 29, 2022.
- Waiver Request Letter dated April 29, 2022.
- Stormwater Management Report dated October 12, 2021, revised April 29, 2022.
- Franklin Hill Manor Preliminary Land Development of the Lands of DE&S Properties, LLC (11 sheets) dated October 5, 2021, revised April 29, 2022.

**BACKGROUND INFORMATION**

The Applicant is proposing the subdivision and land development of lands located on the eastern side of Franklin Hill Road, at its intersection with Albert Lane (private road).

The existing property is located within the R1, Low-Density Residential Zoning District, has an existing area of 6.1895 acres, and consists of wetlands and woodland area.

The proposed development includes the subdivision of the tract into four (4) residential dwelling lots that will take access from an improved Albert Lane. Albert Lane is proposed as a Local Access Street with its cartway, and right-of-way widened to 18-feet and 50-feet, respectively with 4-foot shoulders.

Lot 1 will have a gross area of 1.5334 acres (1.4089 acres net), Lot 2 will have a gross area of 1.5353 acres (1.3971 acres net), Lot 3 will have a gross area of 1.2838 acres (1.1481 acres net), and Lot 4 will have a gross area of 1.8370 acres (1.4614 acres net). The proposed lots will be served by on-lot water and sewer services. Stormwater management is proposed by infiltration berms on each proposed lot.

Based upon our review of the above information, we offer the following comments and/or recommendations for your consideration.

**ZONING ORDINANCE COMMENTS**

1. Comment satisfied.

2. Comment satisfied.
3. In accordance with Section 401.3.D.(2), “no development, filling, piping, or diverting shall be permitted within wetlands, except for road or utility crossings approved by the Township; where State and Federal permits have been obtained, the design represents the least possible disturbance, and no other access is available. Wetlands may also be used as part of approved sewage treatment systems and for recreational uses such as trail and golf course development. No more than forty (40%) percent of the wetlands margin area shall be developed, diverted, or filled.” Wetland Margin is defined as “that area which extends seventy-five (75) feet from the wetland boundary or to the limit of the hydric soils, whichever is greater”. *(New Comment) As discussed with the Applicant’s representative through email correspondence on February 4, 2022, the 75-foot wetland margin shall also be shown on the plan with the existing area (in square feet and acreage) and percent disturbance. It appears the only disturbance of the wetland margin will be for the improvements of Albert Lane.*
4. In accordance with Section 27-502.7.B, “Trees or other approved natural landscaping features, such as shrubbery, grass areas, ornamental bushes, or flower beds, shall be required in a ten (10) foot wide landscaped area along any street side property line except, at driveway opening. A four (4) foot wide landscaped area shall be required along each non-street side property line except at driveway openings. All such plantings shall be located on the site in a manner that will not interfere with traffic and safe sight vision. The maximum height of shrubbery and bushes shall be thirty-two (32) inches.” *The Plans shall be revised to provide the ten-foot-wide landscaped area along Albert Lane, as required by this Section. Also, refer to Comment 19. (Previous Comment 3) The response letter states, “A ten-foot-wide landscaped area has been hatched out along Albert Lane.” The plan shows a partially hatched 10-foot wide (by scale) area along both Albert Lane and Franklin Hill Road. In addition, the hatching is shown crossing the proposed driveways. The plans shall be revised to complete the hatching and to remove the hatched area crossing the driveways.*

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

5. In accordance with Section 22-603.A.2, the Subdivision/Land Development Plans shall contain the “Zoning regulations in a tabular format including ordinance requirements and proposed conditions including, but not limited to, yard setbacks, impervious cover, building coverage, minimum lot size requirements, minimum lot frontage, etc.” *The Zoning District Requirements Table on the Cover Sheet (Sheet 0) shall be revised to note the maximum allowable building coverage and the proposed building coverage for each lot. In addition, the Zoning District Requirements Table on the Cover Sheet (Sheet 0) shall be revised to note the maximum allowable building height and the proposed building height for each lot. (Previous Comment 4) Information is now provided in the Zoning District Requirements table on the Cover Sheet (Sheet 1) and provided on the Subdivision Plan (Sheet 4). The following issues shall be resolved:*
  - a. *The Net Lot Area for Proposed Lot 3 is noted as 1.1122 acres in the Zoning District Requirements table and as 1.1481 acres in plan view. The Plans shall be corrected for consistency.*
  - b. *The Minimum Lot Depth in the Zoning District Requirements table does not appear to be correct for Proposed Lots 1, 2, 3 and 4 when measured at the scale given on the Subdivision Plan. The Zoning Ordinance definition of Lot Depth is “the average horizontal distance between the front and rear lot lines.” The front lot line for Proposed Lots 1, 2, 3 and 4 is the ultimate right-of-way line of Albert Lane. The Zoning District Requirements table shall be revised to provide the correct lot depth for each lot as defined in the Zoning Ordinance.*

- c. ***The Rear Yard for Lot 1 and Lot 4 noted in the Zoning District Requirements table (25 feet) is not consistent with the Rear Yard dimensioned on the Subdivision Plan (30 feet). The Plans shall be corrected for consistency.***
6. Previous Comment 5 satisfied.
7. Previous Comment 6 satisfied.
8. In accordance with Section 22-603.A.11, "A recent title report shall be submitted verifying any restrictions in the deed affecting the subdivision or development of the property, including, but not limited to, any underground, overhead or surface utility easements or rights-of-way. Copies of easements shall be submitted for review." ***(Previous Comment 7) A recent title report shall still be submitted.***
9. Previous Comment 8 satisfied.
10. In accordance with Section 22-603.B.3, "If more than one sheet is necessary, each sheet shall be the same size and consecutively numbered to show its relation to the total number of sheets comprising the plan, i.e., Sheet No. 1 of 5, etc." ***The numbering of the Plan sheets shall be revised accordingly. (Previous Comment 9) The Plans shall be revised to provide a sheet number for each plan in accordance with this Section, i.e., Sheet No. 1 of 11, 2 of 11, 3 of 11, etc.***
11. In accordance with Section 22-603.C, the Subdivision/Land Development Plans shall contain a Site Context Map "showing the location of the proposed subdivision or land development within its neighborhood context shall be submitted." Section 22-603.C.1 requires, "For sites under one hundred (100) acres, such maps shall be at a scale not less than one (1) inch = two hundred (200) feet and shall show the relationship of the subject property to natural and man-made features existing within one thousand (1,000) feet of the site." Section 603.2 outlines the required features to be provided on the Site Context Map. This Section allows that the required information may be superimposed on an aerial photograph. ***A Site Context Map shall be prepared to provide the information required by this Section and submitted to the Township as part of the Subdivision and Land Development Plan Set. An aerial map showing information within 1,000 feet of the project site will be accepted. (Previous Comment 10) A Site Context Map is now provided and shall be revised per Sections 22-603.C.2.i and 22-603.C.2.j to include "existing property lines" and the "names of owners of all properties and the names of all subdivisions" located within 1,000 feet of the project site.***
12. In accordance with Section 22-603.D, the Subdivision/Land Development Plans shall contain an Existing Resources and Site Analysis Plan. Section 22-603.D.2 requires "The plan shall be prepared as an overlay on top of aerial photography of the site." ***The Existing Features & Site Analysis Plan (Sheet 2) shall be revised accordingly. (Previous Comment 11) An Existing Features & Site Analysis Plan (ERSAP) with an aerial photograph has been provided. The plan shall be revised to provide the following:***

  - a. In accordance with Section 603.D.4, "the location, name and right-of-way and cartway widths of all streets bordering the land to be developed or subdivided, including State and local traffic route numbers" shall be provided. ***The right-of-way width of Albert Lane and the cartway widths of both Albert Lane and Franklin Hill Road shall be labeled and dimensioned on the ERSAP.***
  - b. In accordance with Section 603.D.9, "All ground contours taken from United States Coast and Geodetic benchmarks and run direct from the United States Coast and Geodetic benchmark to

the degree that the actual elevations of spot points or contours shall be the exact elevations above the United States Coast and Geodetic datum. A full and complete description of a reestablished benchmark shall be supplied in written form in duplicate to the Township after said point has been physically established in a manner approved by the Township Engineer. Horizontal and vertical datums shall be labeled.” ***The benchmark shall be shown and labeled on the ERSAP.***

- c. In accordance with Section 603.D.13.(d), “Soils. The soil classifications, hydraulic soil classification and boundary lines of all soils located on the tract with specific reference to any alluvial soils’ boundary. Soil descriptions for all soil types shall be provided and any building restrictions due to wet soils, seasonally high-water table or other restrictions shall be provided on the plans.” ***The existing soils shall be delineated and the soil descriptions with limitations shall be provided on the ERSAP.***
13. In accordance with Section 22-603.D.4, the Subdivision/Land Development Plans shall provide “The location, name and right-of-way and cartway widths of all streets bordering the land to be developed or subdivided, including State and local traffic route numbers.” ***The Plans shall be revised to show the cartway widths of Franklin Hill Road and Albert Lane. In addition, the Township Route number of Franklin Hill Road shall be provided on the plan. (Previous Comment 12) The plans shall be revised to label and dimension the cartway width of Franklin Hill Road.***
14. Previous Comment 13 satisfied.
15. Previous Comment 14 satisfied.
16. Previous Comment 15 satisfied.
17. Previous Comment 16 satisfied.
18. Previous Comment 17 satisfied.
19. In accordance with Section 22-603.G.7, the Subdivision/Land Development Plans shall provide “Typical cross sections and existing and proposed center line profile for each proposed or widened street shown on the plan, including all street extensions or spurs as are reasonably necessary to provide adequate street connections and facilities to adjoining developed or undeveloped areas, and including the profile for proposed sanitary sewers, water mains and storm drains showing manholes, inlets and catch basins. Profiles of existing streets to be widened, extended, or improved shall extend two hundred (200) feet beyond the tract boundaries.” ***The Albert Lane proposed profile, on the Site Details Sheet (Sheet 10), shall be revised to show the existing/proposed storm sewer. In addition, profiles of the proposed driveway pipes and the existing storm sewer shall also be provided on the plan. (Previous Comment 18) The Existing 12” Pipe and Existing 15” Pipe Profiles on the Site Details (Sheet 11) shall be revised to provide the lengths of the existing pipes and proposed pipe extensions. In addition, the Lot 1, 2, 3 and 4 Driveway Pipe Profiles shall be revised to show the profile of each pipe and to provide the pipe lengths, size, inverts, and slope.***
20. In accordance with Sections 22-603.G.14 and 1101, the Subdivision/Land Development Plans shall contain a landscape plan showing all required street trees, buffers, tree protection areas, a plan for tree protection during construction designed to meet the requirements of §1103 of this Chapter and other required plantings, as required by §1101 of this Chapter and other Township ordinances. ***A Landscape Plan shall be prepared in accordance with the requirements of Sections 22-1101 and 22-1103 and submitted for review. (Previous Comment 19) The Applicant is requesting a Waiver from the requirement to submit a Landscape Plan. The justification states “street trees and***



***buffers are shown on the subdivision plan...". We do not believe this request is needed as street trees are shown in the plan set, however the plans shall be revised as follows:***

- a. In accordance with Section 22-1101.C.1., "Street Trees. When Required. Street trees shall be required for any subdivision or land development where suitable street trees do not exist as part of the design and construction of:
  - i. Existing streets, sidewalks, pedestrian ways, highways, bicycle trails or pathways that abut or lie within the subdivision or land development."

*The Plans show the removal of existing trees along Franklin Hill Road and Albert Lane. The Plans shall be revised to provide street trees along the frontage of Franklin Hill Road and Albert Lane in accordance with the requirements of Section 1101.C. (Previous Comment 19.a)*

*In accordance with Section 1101.C.(2)(c), "street trees shall be spaced to permit the healthy growth of each tree, but in no instance shall they be closer than forty (40) feet on center nor further than fifty (50) feet on center for each side of the street".*

*Eight (8) to 10 street trees are required along Franklin Hill Road (396.68-feet), and 19 to 24 street trees are required along each side of Albert Lane (941.35-feet ± each side). Portions of the existing tree line is being maintained along Franklin Hill Road and Albert Lane. In accordance with 1101.1.C.(2)(e), "Where trees exist along a roadway, the existing deciduous trees over four (4) inches in caliper within ten (10) feet of the ultimate right-of-way may be utilized to meet the street tree requirement. (The caliper of existing trees is measured at a height of four (4) feet above ground level.) Where such existing street trees are over seventy-five (75) feet apart, new street trees shall be planted between those existing street trees at no greater than fifty (50) feet on center and no less than twenty-five (25) feet from any existing tree."*

- *Two (2) trees are proposed and approximately 260-feet of existing tree line will remain along Franklin Hill Road. The Applicant shall address whether the existing trees to remain meet the requirements of Section 1101.1.C.(2)(e). In addition, if the tree line to remain is adequate, it appears a third street tree should still be placed along Franklin Hill Road.*
- *Eight (8) trees are proposed, and the existing tree line will remain along portions of the northern side of Albert Lane and along the entire length of the southern side of Albert Lane. The Applicant shall address whether the existing trees to remain meet the requirements of Section 1101.1.C.(2)(e). In addition, if the tree line to remain is adequate, it appears a third street tree should still be placed on Lot 2.*

*A tree planting schedule shall also be provided on the plans to note the tree species, quantity, and minimum planting caliper. A planting detail, per Figure 1, shall also be provided on the plan. In addition, a recommended list of street trees is provided in Section 1101.1.C.(3)(a).*

- b. Previous Comment 19.b satisfied.
- c. In accordance with Section 1101.2.B.(2), "all plants shall be typical of their species or variety; they shall have normal, well-developed branches and vigorous fibrous root systems

and shall be free of insect and disease problems. All plants shall be nursery-grown unless otherwise stated; they shall have been grown under the same climate conditions as the subject site for at least two (2) years prior to date of planting. All plants which are found unsuitable in growth or condition, or which are not true to name shall be removed and replaced with acceptable plants.” *(New Comment) A note to this effect shall be placed on the plan.*

- d. In accordance with Section 1101.2.B.(11)(a), “all trees shall be guaranteed for eighteen (18) months from the day of final approval of the landscape installation by the Township landscape architect, Township Shade Tree Commission, or Township Engineer. The trees are to be alive and in a satisfactory growing condition as determined by one (1) of the previously mentioned parties.” *(New Comment) A note to this effect shall be placed on the plan.*
21. In accordance with Section 22-603.G.15, “A lighting plan in accordance with the requirements of this Chapter and the Smithfield Township Zoning Ordinance [Chapter 27] shall be submitted.” *A Lighting Plan shall be prepared and submitted as required.*
- a. In accordance with Section 22-1017, “Should the Board of Supervisors deem it necessary or desirable to cause street lighting to be installed for safety or security considerations within a major or minor subdivision, the following shall be considered the obligation of the applicant/developer:
    - A. Streetlights shall be located at all intersections of new streets and an existing collector or other roads and at the intersection of a collector road and any other collector or arterial road, at an intersection of a commercial, industrial, or institutional use driveway with a public street (such fixture shall be privately owned and maintained), and at curves in a street with a three hundred (300) foot or sharper horizontal curve.
    - B. Lighting design shall be in accordance with the applicable IESNA Standards. Calculations and plans demonstrating compliance with intensity and uniformity ratios shall be submitted.
    - C. All lighting shall be properly directed, reflected, or shielded to avoid glare, to avoid shining light directly into the eyes of motorists and to direct lighting away from neighboring dwellings. Shields, visors, hoods, and careful aiming shall be used as necessary to control the direction of lighting. Luminaries that are near residential areas shall utilize cut-off type fixtures that direct lighting away from neighboring properties.
    - D. Lighting shall not cause nighttime spillover of light that exceeds one-half (0.5) horizontal footcandles.
    - E. Light poles and luminaries shall be shown on the plans and should be acceptable to the Township.”

*The Township shall determine if lighting will be required along Albert Lane and/or at its intersection with Franklin Hill Road. If deemed necessary, a Lighting Plan shall be submitted which demonstrates compliance with this Section. (Previous Comment 20) The Applicant is requesting a Waiver to not be required to submit a Lighting Plan. The justification states “...this is a rural area and there is no street lighting on any streets in the area.” The Township shall determine whether they will require streetlights along Albert Lane.*

22. In accordance with Sections 22-603.G.17.(b) and 22-1302.1.E.(1), Soil Erosion and Sedimentation Control Plan. The plan shall include all grading and facilities proposed to control soil erosion and sedimentation during construction and proposed detention/retention facilities, in conformance with all applicable Pennsylvania Department of Environmental Protection and United States Soil Conservation Service regulations. A satisfactory letter shall be required from the Monroe County Conservation District on the soil erosion and sedimentation control plan. ***(Previous Comment 21) The proposed limit of disturbance is greater than 1 acre, therefore a Pennsylvania Department of Environmental Protection NPDES permit is required. All submissions to, correspondence with, and approved permit from the Monroe County Conservation District shall be provided.***
23. Previous Comment 22 satisfied.
24. In accordance with Section 22-603.G.19, "Where on-site sewage disposal facilities are proposed, a statement from the Township SEO, with regard to the suitability of the soil to absorb sewage wastes and the appropriate planning modules" shall be submitted. ***(Previous Comment 23) A copy of the statement shall be submitted to the Township upon receipt.***
25. Previous Comment 24 satisfied.
26. Previous Comment 25 satisfied.
27. In accordance with Section 22-603.H.2.(b)(2), the road profile shall show the "Proposed centerline grade with percent on tangents and elevations at fifty (50) foot intervals, grade of intersection and both ends of curb radii." ***The Albert Lane Proposed Profile shall be revised to show the existing and proposed centerline elevations at 50-foot intervals. (Previous Comment 26) The station and elevation of Albert Lane at the tie in point from the proposed improved Albert Lane to the existing Albert Lane shall be clearly labeled on the Albert Lane Proposed Profile.***
28. In accordance with Section 22-603.H.2.(b)(3), the road profile shall provide the "Vertical curve data, including length, elevations and minimum sight distances as required by the Engineer." ***The Albert Lane Proposed Profile shall be revised to show the beginning of vertical curve (BVC) station and elevation, the point of vertical intersection (PVI) station and elevation, the end of vertical curve (EVC) station and elevation, and the vertical distance from the PVI to the centerline road surface. (Previous Comment 27) The following issues regarding the vertical alignment of Albert Lane on the Albert Lane Proposed Profile on the Site Details (Sheet 11) shall be resolved:***
  - a. ***It appears that the elevation given in the vertical curve at Station 1+09.55 is the road high point elevation, not the PVI Elevation. The PVI Elevation and Station and the High Point Elevation and Station shall be provided and clearly labeled.***
  - b. ***It appears that the elevation given in the vertical curve at Station 6+97.83 is the PVI Elevation. The PVI Elevation and Station and the Low Point Elevation and Station shall be provided and clearly labeled.***
  - c. ***In accordance with Section 22-1010.2.C, "Vertical curves shall be used at changes of grade exceeding one percent (1%) and shall be designed in accordance with the most recent AASHTO standards." There is a change of grade shown on the plan from 4.0 % to 9.1 percent at Station 0+34.55 without a vertical curve. The proposed grading shall be revised or a vertical curve at this grade change shall be provided to demonstrate compliance with this Section.***

- d. *In accordance with Section 22-1010.3.A, a leveling area, measured from the point of intersection of the edge of the intersecting cartways shall be provided at the approach to an intersection. A four percent (4%) grade or less for a minimum distance of fifty (50) feet shall be provided for local streets.*

*The centerline slope from Station 0+00 to Station 0+34.55 is noted as 4.0 percent on the Profile, however, the slope calculates to be 4.19 percent with the elevations and stations given. In addition, the distance of the 4% area is only 34.55-feet. The Profile shall be revised to demonstrate compliance with this Section.*

29. In accordance with Section 22-603.H.3.(b). the storm sewer profile shall provide the following:

- 1) "Profile of existing ground surface with elevations at top of manholes or inlets.
- 2) Profile of storm drain and subsurface drains or sewer, showing type and size of pipe, grade, cradle, manhole and inlet locations."

*The Plans shall be revised to provide storm sewer profiles (driveway pipes and existing storm sewer) with the information required by this Section. (Previous Comment 28) The Existing 12" Pipe and Existing 15" Pipe Profiles on the Site Details (Sheet 11) shall be revised to provide the lengths of the existing pipes and proposed pipe extensions. In addition, the Lot 1, 2, 3 and 4 Driveway Pipe Profiles shall be revised to show the profile of each pipe and to provide the pipe lengths, size, inverts, and slope.*

30. Previous Comment 29 satisfied.

31. Previous Comment 30 satisfied.

32. Previous Comment 31 satisfied.

33. In accordance with Sections 22-1006.5 and 1006.6, "the arrangement of streets shall provide for continuation of existing or platted streets and for proper access to adjoining undeveloped tracts suitable for future development. Where the subdivision or land development adjoins undeveloped land, stub streets shall be provided to the boundary lines with temporary easements for turnarounds unless otherwise specified in this Chapter or by the Township. When utilities are provided for future connection by adjacent lands, they shall be placed to allow the greatest possible connection options (i.e., placing sanitary sewer inverts at the lowest possible elevation, etc.)." "Stub streets greater in length than one (1) lot depth shall be provided with a temporary turnaround to the standards required for cul-de-sacs or shall be paved to the full width of the right-of-way for the last seventy-five (75) feet of their length." *Improved Albert Lane is proposed to connect to existing Albert Lane. Existing Albert Lane will remain as a private road, therefore a cul-de-sac or additional paving as required by Section 1006.6 shall be provided within the project site to provide a turn around area for personal and emergency vehicles. The cul-de-sac shall be designed per the requirements of Section 22-1013. Turning analyses of the cul-de-sac or paved area shall be provided to show accessibility of emergency vehicles. (Previous Comment 32) The Subdivision Plan (Sheet 4) shows a proposed 32-foot by 32-foot paved turn around for emergency and personal vehicles. A cul-de-sac is not proposed, and a waiver is required. A turn diagram is also provided showing vehicles pulling into the turn around area.*

*The turn diagram shall be revised to provide the complete turn movement to confirm vehicles will not be required to back down Albert Lane and onto Franklin Hill Road. In addition, this plan shall be provided to the fire company for review and comment.*

34. In accordance with Section 22-1015.1, "Sidewalks. Sidewalks shall be required on both sides of all streets in major subdivision plans and land developments. Street sidewalks shall have a minimum width of four (4) feet, unless otherwise approved by the Board of Supervisors. There shall be a minimum three (3) foot-wide planting strip, between the curb and sidewalk along local streets and ten (10) feet along collector or arterial streets. This grass planting strip can be used for the location of the underground utilities." *Sidewalk is required along Albert Lane and the plan shall be revised. (Previous Comment 33) The Applicant is requesting a Waiver from this Section to not be required to provide sidewalks. The justification states "...this is a rural area and there are no sidewalks along any surrounding properties." The Township shall determine if they will require sidewalks along Albert Lane and/or Franklin Hill Road.*
35. Previous Comment 34 satisfied.
36. In accordance with Section 22-1023.5, "Where stormwater or surface water will be gathered within the subdivision or land development and discharged or drained in volume over lands within or beyond the boundaries of the subdivision or land development, the applicant/developer shall reserve or obtain easements over all lands affected thereby, which easements shall be adequate for such discharge of drainage and the carrying off of such water and for the maintenance, repair and reconstruction of the same by vehicles, machinery and other equipment for such purposes, and which shall be of sufficient width for such passage and work. The applicant/developer shall convey, free of charge or cost, such easements to the Township upon demand." *The Plans shall be revised to provide easements for the proposed stormwater management BMPs on each lot. The easements shall provide access from Albert Lane and extend to and around the proposed BMPs. In addition, the proposed development discharges stormwater through existing 12-inch and 15-inch storm sewer pipes and toward neighboring properties. Easements for construction and maintenance will be required. The proposed easements shall be monumented per Section 22-1023.6, "Easements shall be monumented." (Previous Comment 35) The Applicant is requesting a Waiver from the requirements of this Section to be permitted to provide a blanket storm water facilities easement instead. We accept the blanket easement for the stormwater management basins, storm sewer, and swales on the project site. The waiver should not include these areas. However, we do not support this request as it relates to the existing 12-inch and 15-inch storm sewer pipes crossing Franklin Hill Road and Albert Lane, respectively. Separate easements for each of these shall be provided as they will be utilized for any construction and/or maintenance activities impacting the adjoining property owners. Also refer to Comment 39.*
37. In accordance with Section 22-1025.1, "Monuments shall be placed at each change in direction of boundary, two (2) to be placed at each street intersection and one (1) on one (1) side of each street at angle points and at the beginning and end of curves. Utility easements shall be monumented at their beginning, at their end, and at changes in direction, and areas to be conveyed for public use shall be fully monumented at their external boundaries." *The Subdivision Plan (Sheet 3) shows pins set along the existing right-of-way of Albert Lane; however, the right-of-way is proposed to be widened. Monuments shall be placed along the proposed right-of-way at each proposed lot line and at the Franklin Hill Road Right-of-Way. (Previous Comment 36) Monuments shall still be shown as "to be set" along Albert Lane as required by this Section. The Subdivision Plan (Sheet 4) shall be revised.*
38. In accordance with Section 22-1204.A, "Development of five (5) or fewer dwelling units, that do not include land that is adjacent to existing publicly owned land, shall be required to pay a recreation and open space fee in lieu of dedicating land and/or constructing recreation improvements." *(Previous Comment 37) The Applicant shall be required to pay the fee in lieu of dedicating land and/or constructing recreation improvements.*



39. In accordance with Section 22-1301.7.L.(2), "Energy-dissipating devices (riprap, end sills, etc.) shall be placed at all basin outlets." *The PCSM Plan (Sheet 4) shows:*
- a. *the outlet pipe from the stormwater detention berm on Lot 1 discharging within the right-of-way of Franklin Hill Road towards the property across the street (Parcel Number 16/7/2/23-1 owned by Joseph M. and Nancy Shukaiitis). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 1. (Previous Comment 38.a) The response letter states, "There is no outlet pipe discharging from the berm on Lot 1. A headwall is no longer being connected to the 12" pipe under Franklin Hill Road as was previously proposed. It can be installed if directed to do so by the Township Roadmaster. A pipe extension is still proposed for the Albert Lane widening."*
  - b. *the outlet pipe from the stormwater detention berm on Lot 4 discharging within the right-of-way of Albert Lane towards the property across the street (Parcel Number 16/7F/1/9 owned by Lynn C. and Susan D. Lesoine). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 4 and Albert Lane. (Previous Comment 38.b) "The response letter states, "A headwall is no longer being connected to the 15" pipe under Albert Lane as was previously proposed. It can be installed if directed to do so by the Township Roadmaster. A pipe extension is still proposed for the Albert Lane widening."*

*The existing pipes are to be extended to receive stormwater flow from the site and to convey it under the street. An end treatment such as a headwall, flared end section, etc. shall be installed at each end to secure each pipe and to ensure the intended flow enters each pipe. The plans shall be revised accordingly.*

*Riprap energy dissipators shall be provided at the discharge points of the 12-inch RCP pipe from Lot 1 and the 15-inch CMP from Lot 4. It appears this may require approval from the adjoining property owners and associated easements for construction and future maintenance. (Previous Comment 38) Riprap is now shown within the right-of-way of Franklin Hill Road and Albert Lane. It appears this may still require approval from the adjoining property owners with associated easements for construction and future maintenance.*

40. In accordance with Section 22-1301.7.O.(1), "A fifty (50) year storm for the design of all stormwater systems" shall be used. *The 10-year storm peak flow rate was used for the design of Swale #1 and the 25-year storm was used for the design of Swale #2, Swale #3, and Swale #4 in the Stormwater Management Report. The Stormwater Management Report and the Plans shall be revised to utilize the 50-year storm peak flow rate for the design of the swales. (Previous Comment 39) There are no Channel Reports for Swale # 5, 6 or 7 in the Stormwater Management Report. The Report shall be revised to provide the reports for the Fifty (50) Year Storm.*
41. In accordance with Section 22-1301.7.O.(2), "In all cases where storm drainage is picked up by means of a headwall or inlet structure, a hydraulic inlet or outlet conditions control, the pipe shall be designed as a culvert for a fifty (50) year storm." *Calculations shall be provided for the 12-inch RCP pipe which crosses Franklin Hill Road for Lot #1, the 15-inch pipe which crosses Lot 4 and the proposed driveway pipes/culverts to demonstrate that each pipe has the capacity to carry the 50-year storm peak flow. (Previous Comment 40) The following issues shall be resolved:*
- a. *The Culvert Report for the existing 15-inch diameter pipe shows the HWL for the Fifty (50) Year Storm overtopping the surface of Albert Lane. The pipe shall be replaced with a pipe having the capacity to carry the discharge under the road without overtopping it during the*

***50 Year Storm event. A minimum 18-inch diameter pipe is required, and the Culvert Report shall be revised accordingly. (See Comment 42)***

- b. The Culvert Reports for the driveway pipe design in the Stormwater Management Report do not provide the storm event. The Culvert Reports shall be revised to provide the information for the Fifty (50) Year Storm as required by this Section.***
42. In accordance with Section 22-1301.7.Q.(2), "The minimum diameter of all storm drainage pipe shall be eighteen (18) inches or an equivalent thereto. Where headroom is restricted, equivalent pipe arches may be used in lieu of circular pipe." *The Plans show an existing 12-inch RCP and an existing 15-inch CMP, which will be used to convey flow from Lot 1 and Lot 4. The pipes are existing; however, the Applicant is proposing to connect a concrete headwall to each pipe and direct a swale to each of the headwalls. In addition, the proposed driveway pipes/culverts are 15-inch HDPE. A waiver will be required to utilize the existing 12-inch RCP pipe. Calculations demonstrating the existing 12-inch storm sewer pipe has the capacity to carry the 50-year storm peak flow as required by Section 22-1301.7.O.(2) shall be provided in support of any waiver request. (Previous Comment 41) The Applicant is requesting a waiver from this Section to be permitted to utilize the existing 12-inch diameter pipe under Franklin Hill Road and the existing 15-inch diameter pipe under Albert Lane. Although the calculations in the Stormwater Management Report show that the post development flow to the existing 12-inch diameter pipe and 15-inch diameter pipe will be reduced from the predevelopment flow, we do not support this waiver and minimum diameter 18-inch storm sewer pipes shall be provided as required.*
43. In accordance with Section 22-1301.7.Q.(6), "The top of storm drainage pipes beneath cartways shall be at least six (6) inches below sub-grade elevation. Cast iron pipe may be placed within three (3) inches of sub-grade elevation. Outside of cartways, all pipes shall have a minimum cover of one (1) foot." *The Plans shall be revised to provide a profile/cross-section of the proposed driveway pipes/culverts for Lots 2, 3 and 4 to demonstrate compliance with this Section. In addition, the Albert Lane Proposed Profile shall be revised to show the existing 15-inch CMP crossing to demonstrate compliance with this Section. (Previous Comment 42) The Existing 12" Pipe and Existing 15" Pipe Profiles on the Site Details (Sheet 11) shall be revised to provide the lengths of the existing pipes and proposed pipe extensions.*
44. In accordance with Section 22-1302.3.A, "All lots, tracts or parcels shall be graded to provide proper drainage away from buildings and dispose of it without ponding." *The proposed grading for Lots 2, 3 and 4 as shown on the PCSM Plan (Sheet 4) directs stormwater to the proposed houses. In addition, the outside grade for all four proposed houses is higher than the proposed finished floor elevation (FFE). The grading shall be revised, and spot elevations shall be provided at the building corners and grade break points shall be provided to demonstrate positive surface drainage away from the proposed houses. (Previous Comment 43) In accordance with Section 1302.3.H, "In general, swales for surface runoff shall have a minimum slope of two percent (2%)." *The slope of the proposed swales on Lots 1, 2, 3 and 4 are less than 2 percent, and should be revised.**
45. Previous Comment 44 satisfied.
46. Previous Comment 45 satisfied.
47. In accordance with Section 22-1302.M, "The grading plan shall not allow concentrated runoff on adjoining properties." *The PCSM Plan (Sheet 4) shows:*

  - a. the outlet pipe from the stormwater detention berm on Lot 1 discharging within the right-of-way of Franklin Hill Road towards the property across the street (Parcel Number***

*16/7/2/23-1 owned by Joseph M. and Nancy Shukaitis). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 1.*

- b. *the outlet pipe from the stormwater detention berm on Lot 4 discharging within the right-of-way of Albert Lane towards the property across the street (Parcel Number 16/7F/1/9 owned by Lynn C. and Susan D. Lesoine). The discharge pipe is an existing pipe; however, the Applicant is proposing to connect a concrete headwall to the pipe to collect and discharge stormwater from Lot 4 and Albert Lane.*

*Predevelopment and post development calculations in support of the existing pipes shall be provided to determine if the existing pipe capacity is sufficient for the post development stormwater flow and whether an increase or decrease will occur between the pre and post development conditions. In addition, a riprap energy dissipator shall be provided at the discharge point of the 12-inch RCP pipe from Lot 1 and the 15-inch CMP from Lot 4. It appears this may require approval from the adjoining property owners and associated easements for construction and future maintenance will be required. Also refer to Comment 38. (Previous Comment 46) Refer to Comments 39, 41, 42, and 51. Although the calculations in the Stormwater Management Report show that the post development flow to the existing 12-inch diameter pipe and 15-inch diameter pipe will be reduced from the predevelopment flow, these pipes shall be replaced with a pipe having a minimum diameter of 18-inches and which has the capacity to carry the discharge under Franklin Hill Road and Albert Lane, respectively, without overtopping the roadways during the 50 Year Storm event.*

*In addition, riprap is now shown within the right-of-way of Franklin Hill Road and Albert Lane. However, it appears this may still require approval from the adjoining property owners with associated easements for construction and future maintenance.*

48. In accordance with Sections 22-1405.2.B and 22-1405.5, “if public sewer facilities are not available, the applicant/developer shall provide for sewage disposal on an individual lot basis according to the rules, regulations, terms, definitions and conditions of the individual sewage disposal system application and certification procedure for Monroe County, Pennsylvania”. “Requirements for Final Plan Approval. No final plan shall be approved for any subdivision or land development until satisfactory evidence has been presented by the applicant/developer to the Township that the SEO and/or the Pennsylvania Department of Environmental Protection have determined that the lots proposed for subdivision are generally suitable for on-lot septic systems.” *(Previous Comment 47) The Sewage Facilities Planning Module for the proposed on-lot sewage disposal systems shall be completed and approved by the Pennsylvania Department of Environmental Protection. Approval shall be provided to the Township upon receipt.*

#### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

49. In accordance with Section 26-223.I.(1)(d), “Wetland and vernal pond buffer delineation – a fifty (50) foot inner buffer and one hundred (100) foot outer buffer, measured perpendicular to and horizontally from the edge of the delineated wetland or vernal pond for a total distance of one hundred fifty (150) feet, shall be maintained for all wetlands and vernal ponds.” *The Plans shall be revised to show the 50-foot inner buffer and 100-foot outer wetlands buffer on Lot 4 as required by this Section.*
  - a. In accordance with Section 26-223.I.(1)(d)(1)(a), permitted activities/development within the inner buffer include “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings

permitted by DEP and passive unpaved stable trails shall be permitted. No other earth disturbance, grading, filling, buildings, structures, new construction, or development shall be permitted.” *(New Comment) The improvements along Albert Lane will be located within the required inner wetland buffer. The proposed improvements are located downstream of the existing wetlands and no stormwater runoff from the development will be directed toward the existing wetlands.*

- b. In accordance with Section 26-223.I.(1)(d)(2)(a), permitted activities/development within the outer buffer include “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP, roads constructed to existing grade, unpaved trails, and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted provided no buildings are involved, and those activities permitted under §§223(I)(5) and 223(I)(6)”.
- c. *The proposed house and driveway are located within the outer wetlands buffer for the existing wetlands on Lot 4. The Plans shall be revised to show the outer wetlands buffer and the proposed house and driveway shall be removed from the wetlands buffer. (Previous Comment 48) The Applicant is requesting a waiver from this Section to be permitted to construct the proposed improvements within the 100-foot outer buffer. These improvements include the majority of the proposed house, the entire driveway, and part of the proposed on-lot septic system, as well as improvements along Albert Lane. No buildings are permitted within the outer wetland buffer. It should be noted that the proposed improvements are located downstream of the existing wetlands and no stormwater runoff from the development is directed toward the existing wetlands.*

*In addition, the Resource Impact and Conservation Analysis Chart on the Subdivision Plan (Sheet 4) notes that 51 percent of the outer wetland buffer will be disturbed. In accordance with Section 26-223.I.(1)(d)(2)(b), “No more than twenty (20%) percent of the cumulative outer buffer on the subject parcel shall be altered by the activities permitted in accord with §223(I)(2)(d)2.” It appears that a waiver from this Section will also be required.*

- 50. In accordance with Section 26-224.A.3, “The size of the recharge facility shall be based upon the following volume criteria: (a) NRCS curve number equation.” *(Previous Comment 49) The NRCS Curve Number equation was not utilized for the Infiltration Berm design and a waiver will be required. We would have no objection to this request.*
- 51. In accordance with the Stormwater Management Ordinance Section 227.6., “Any other drainage conveyance facility that does not fall under Chapter 105 must be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm with a minimum one (1.0) foot of freeboard measured below the lowest point along the top of the roadway.” *(New comment) The following issues shall be resolved:*
  - a. *The Culvert Report for the existing 12-inch diameter pipe shows the HWL for the Fifty (50) Year Storm at the same elevation as the surface of Franklin Hill Road. As discussed in Comment 42, a minimum pipe diameter of 18-inches is required. The Culvert Report shall be revised accordingly and confirmation that stormwater does not overtop the roadway shall be provided. If 1-foot of freeboard is not provided, a waiver will be required.*
  - b. *The Culvert Report for the existing 15-inch diameter pipe shows the HWL for the Fifty (50) Year Storm overtopping the road surface of Albert Lane. As discussed in Comment 42, the*

*pipe shall be replaced with a pipe having a minimum diameter of 18-inches. The proposed pipe shall also have the capacity to carry the discharge under the road without it overtopping during the 50 Year Storm event. If 1-foot of freeboard is not provided, a waiver will be required.*

52. Previous Comment 50 satisfied.
53. In accordance with Section 26-233.B.19, the Drainage Plan shall include “A twenty (20) foot wide access easement to and around all stormwater management facilities that would provide ingress to and egress from a public right-of-way.” *The PCSM Plan (Sheet 4) shall be revised to provide a twenty (20) foot access easement from Albert Lane, and to and around the proposed infiltration berms. (Previous Comment 51) The Applicant is requesting a Waiver from the requirements of this Section to be permitted to provide a blanket storm water facilities easement instead. We accept the blanket easement for the stormwater management basins, storm sewer, and swales on the project site. The waiver should not include these areas. However, we do not support this request as it relates to the existing 12-inch and 15-inch storm sewer pipes crossing Franklin Hill Road and Albert Lane, respectively. Separate easements for each of these shall be provided as they will be utilized for any construction and/or maintenance activities impacting the adjoining property owners. Also refer to Comment 39.*
54. Previous Comment 52 satisfied, in accordance with Section 26-234, “For any activities that require an NPDES permit for stormwater discharges from construction activities, or a DEP joint permit application, or a PennDOT highway occupancy permit, or any other permit under applicable state or Federal regulations, or are regulated under Chapter 105 or Chapter 106, the proof of application for said permit(s) or approvals shall be part of the drainage plan application. The application shall be coordinated with the State and Federal permit process and the SALDO [Chapter 22] review process.” *(Previous Comment 53) The proposed limit of disturbance is greater than 1 acre, therefore a Pennsylvania Department of Environmental Protection NPDES permit is required. All submissions to, correspondence with, and the approved permit from the Monroe County Conservation District shall be provided to the Township.*

#### **STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS**

55. The swale section provided in the Stormwater Management Report shows a 2-foot depth for the swale, however, the proposed grading of the swale and improved Albert Lane, as shown on the PCSM Plan (Sheet 4) and the E&SPC Plan (Sheet 5) appears to provide a maximum depth of one (1) foot. The Stormwater Management Report shall be revised for consistency with the Plans. *(Previous Comment 54) The cross-section for Swale #3 and Swale #4 provided in the Stormwater Management Report shows a 1.75-foot depth for the swale, however, the proposed grading of the swale and improved Albert Lane, as shown on the PCSM Plan (Sheet 5) and the E&SPC Plan (Sheet 6) appears to provide a maximum depth of one (1) foot along the edge of the road. The Stormwater Management Report shall be revised for consistency with the Plans.*
56. Previous Comment 55 satisfied.
57. The drainage area information noted and utilized in the Stormwater Management Report for Infiltration Berms #2, #3 and #4 is the same for all three berms but does not appear to be correct regarding the drainage area size. The drainage areas to Infiltration Berms #2, #3 and #4, as shown on the PCSM Plan, appear to be larger in size than the areas utilized in the Report. The Stormwater Management Report shall be revised to utilize the correct drainage area size for Infiltration Berms #2, #3 and #4. *(Previous Comment 56) The drainage areas shown on the Post development Drainage area map in the Stormwater Management Report for Berms #2 and #3 shall be revised*



*to extend to the rear property lines of each lot to encompass the entire drainage areas to the berms. The Stormwater Management Report shall be revised to utilize the revised drainage areas, accordingly.*

58. Previous Comment 57 Satisfied.
59. Previous Comment 58 satisfied.
60. The PCSM Plan shows a proposed headwall on Lot #1 downstream of Infiltration Berm #1 connecting to the existing 12-inch RCP pipe at the intersection of Franklin Hill Road and Albert Lane. A detail of the proposed headwall shall be added to the PCSM/Site Details Plan (Sheet 9). *(Previous Comment 59) A detail of the proposed end treatments shall still be provided. Refer to Comments 39, 41, 42, and 51.*
61. The PCSM Plan shows a proposed headwall on Lot #4 adjacent to and at the downstream side of Infiltration Berm #4. It appears that the proposed invert of the headwall is approximately two (2) feet below grade. It is unclear why a headwall is proposed with the upstream invert two feet below grade at the downstream side of the berm. The Design Engineer/Surveyor shall clarify the proposed function of the headwall and the Plans shall be revised to provide a detail of the headwall and pipe extension/connection, as well as a cross-section through Infiltration Berm #4 at the proposed headwall. *(Previous Comment 60) Although the headwall is no longer proposed, the Existing 15" Pipe Profile – POI 2 on the Site Details Plan (Sheet 11) still shows the end of the pipe below grade. The plans shall be revised to provide an end treatment on the upstream end of the pipe at grade to allow the pipe to accept the flow from the site.*

*In addition, the proposed contour lines at the pipe extension are not labeled on the PCSM Plan (Sheet 5). The proposed contour lines shall be clearly labeled at the pipe extension, in and along Albert Lane and on the lots.*

#### MISCELLANEOUS COMMENTS

62. Previous Comment 61 satisfied.
63. Previous Comment 62 satisfied.
64. The Plans shall be revised to provide the bearings and distances of the right-of-way line along the site frontage. In addition, the Subdivision Plan (Sheet 3) shall be revised to dimension the side lot lines of each lot between the title and proposed Albert Lane Right-of-Way. Lot closure reports for the gross and net areas of each proposed lot, as well as the proposed right-of-way of Albert Lane shall be provided prior to plan recordation. *(Previous Comment 63) Lot closure reports shall still be submitted for review.*
65. The Applicant shall address whether improved Albert Lane will be offered for dedication to the Smithfield Township as a Local Access Street. Per the definition of a Local Access Street, "a local street may or may not be dedicated." *(Previous Comment 64) The letter of response states, "Albert Lane will be offered for dedication to the township" This note shall be added to the General Notes on the Cover Sheet (Sheet 1), and the Township shall determine if they will accept dedication at this time.*
66. The Subdivision Plan (Sheet 3) and the PCSM Plan (Sheet 4) show the proposed improvements to Albert Lane along the site frontage. The proposed centerline of the improved Albert Lane at the eastern corner of the site is not aligned with the existing centerline. The plans shall be revised to

provide a sufficient transition from the existing edge of pavement of Albert Lane to the proposed edge of pavement of Albert Lane and to align the proposed and existing centerlines. *(Previous Comment 65) The plans show the tract line (instead of the proposed centerline) of the site aligned with the existing offsite centerline of Albert Lane. The plans shall be revised to align the proposed and existing centerlines of Albert Lane.*

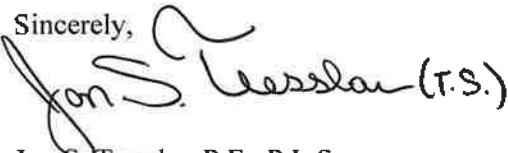
67. All Waiver Requests shall be listed on the Cover Sheet (Sheet 1) with the date(s) of approval by the Board of Supervisors. *(New Comment)*
68. The driveway configuration for Lot 2 has been changed with this submission. It is not wide enough at the garage and does not provide an adequate turn around area. The plans shall be revised to provide adequate turn around area for a vehicle in the driveway of Lot 2. In addition, the proposed driveway widths shall be labeled for Lots 1 through 4 and shall include the widths at the garage and at the street. *(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.

We recommend the above comments be addressed to the satisfaction of Smithfield Township prior to approval of the Preliminary Land Development Plan.

In order to facilitate an efficient re-review of revised plans, the Surveyor shall provide a letter, addressing item by item, their action in response to each of our comments. Paper and electronic copies of all documents shall be provided with subsequent submissions.

If you should have any questions, please contact me.

Sincerely,  
 (T.S.)

Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/meh/tms

- cc: Ronold J. Karasek, Esquire – Smithfield Township Solicitor  
Ken Wolf, Zoning Officer – Smithfield Township  
Julia Heilakka, Officer Manager – Smithfield Township  
Jonathan L. Shupp, JLS Surveying, LLC – Applicant’s Surveyor  
Tighe Meckes, P.E., JLS Surveying, LLC – Applicant’s Engineer  
David Wengerd, D E&S Properties, Inc./Classic Quality Homes – Applicant/Property Owner  
Drew Wagner, P.E. – Monroe County Conservation District  
Melissa E. Hutchison, P.E. – LVL Engineering Group



**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

June 7, 2022

Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**SUBJECT: BLACK BUFFALO PRELIMINARY/FINAL LAND DEVELOPMENT  
PLAN REVIEW NO. 1  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2132237R**

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our first review of the Preliminary/Final Land Development Plan for the above referenced project. The submission consists of the following items.

- Letter of Transmittal prepared by T&M Associates, dated May 2, 2022.
- Cover letter prepared by T&M Associates, dated April 29, 2022.
- Application for Review of a Subdivision or Land Development Plan.
- MCPC Subdivision and Land Development Review Checklist.
- Notice of Airport Airspace Analysis Determination Deactivate Land Area, prepared by the Federal Aviation Administration, dated February 25, 2022.
- Resource Impact and Conservation Analysis prepared by T&M Associates, dated April 21, 2022.
- Financial Analysis prepared by T&M Associates, dated April 28, 2022.
- Community Impact Analysis prepared by T&M Associates, dated April 28, 2022.
- Transportation Impact Study for the Airport Road – Smithfield Township Development prepared by McMahon Associates, Inc., dated April 2022.
- Preliminary Geotechnical Report prepared by Kleinfelder, dated October 15, 2021.
- Stormwater Management Calculations prepared by T&M Associates, dated April 29, 2022.
- Erosion & Sedimentation Control Narrative prepared by T&M Associates, dated April 29, 2022.
- Post Construction Stormwater Management Narrative prepared by T&M Associates, dated April 29, 2022.
- Preliminary/Final Land Development Plan (25 sheets) prepared by T&M Associates, dated April 29, 2022.

**BACKGROUND INFORMATION**

The above items have been submitted in support of a Preliminary/Final Land Development of lands located on the northern side of Airstrip Road, approximately 480 feet west of its intersection with Airport Road. The project site is located within the M-1, Industrial Zoning District and has an area of 68.444 acres.

The existing property consists of the former Stroudsburg-Pocono Airport including an airstrip and several supporting buildings and driveways. The airport has been decommissioned with no objection by the Federal Aviation Administration. The FEMA Floodplain of Little Sambo Creek traverses the property and wetlands exist. The plan notes a Jurisdictional Determination was approved by the Army Corps of Engineers under

cover letter dated July 30, 2020.

The proposed development includes the construction of a 131,250 square foot light manufacturing building consisting of a factory, finished product warehouse, material warehouse, 3D printing space, and a 2-story office. The development will take access from the new terminus bulb of Airstrip Road. A 63-space parking lot, landscaping, lighting, and stormwater management are also proposed.

The proposed light manufacturing facility is permitted within the M-1, Industrial Zoning District.

Based upon our review, we recommend the Planning Commission accept the submitted plan as a Preliminary/Final Land Development Plan for review, providing all other requirements will be met including, but not limited to, formal written applications, and application fees with establishment of an escrow to cover the costs of review.

In addition, we have performed our first review of the above information. We offer the following comments and/or recommendations for your consideration.

#### **ZONING ORDINANCE COMMENTS**

1. In accordance with the Schedule of District Regulations, the required lot width is 150-feet. *On Sheet 2, two Zoning Data charts are provided. One lists the existing lot width of 767-feet and the other lists the proposed lot width as 919.4-feet. No changes are proposed to the existing property; therefore, we believe the lot widths should be consistent and the plan should be revised accordingly. In addition, the lot width shall be dimensioned on the plan.*
2. In accordance with the Schedule of District Regulations, the required rear yard depth is 55-feet (adjacent to residential uses). *The setback line along the northerly property line shall be shown and dimensioned as the rear yard.*
3. In accordance with the Schedule of District Regulations, the permitted building height in the M-1, Industrial Zoning District is 35-feet. *The proposed building height is 50-feet. The Zoning Data on Sheet 2 acknowledges the proposed building height exceeding the requirements of this Section and notes that a variance will be required.*
4. In accordance with Section 401.3.C, “no structure, filling, piping, diverting or stormwater detention basin shall be permitted within floodplain areas, unless the use, activity or development occurring in the floodplain is in strict compliance with the Smithfield Township Floodplain Ordinance [Chapter 8]”. *The proposed discharge pipe from Infiltration/Detention Basin 001 and the scour hole are proposed within Zone AE of the FEMA 100-year floodplain. A Conditional Use is required. Refer to the Floodplain Ordinance Comments.*  
  
*In addition, the Natural Resources Table on the Existing Resources and Site Analysis Plan (Sheet 6) shows no proposed disturbance for Floodplains (100 year), however the limit of disturbance line associated with the basin discharge pipe and scour hole is within Zone AE of the FEMA 100-year Floodplain. The Natural Resources Table shall be revised.*
5. In accordance with Section 404.2.A.(1), “a traffic impact study shall be required for all subdivisions and land developments that, at build-out, are projected to generate fifty (50) or more trip-ends per project peak hour or five hundred (500) trip-ends per day based on the latest edition of Trip

Generation published by the Institute of Transportation Engineers. This shall include project additions, changes of use and replacement of nonconforming uses that increase the total traffic (existing plus new traffic) to more than five hundred (500) trip ends per day.” *A Transportation Impact Study (TIS) was prepared and submitted. The TIS indicates 168 new vehicle trips per day will access the proposed driveway from Airstrip Road. The following has been determined through the TIS.*

- a. *The weekday morning and afternoon peak hour Overall Levels of Service at the intersection of Airstrip Road and the proposed driveway is A during the Existing Condition and 2024 Build-Out Condition.*
- b. *The weekday morning and afternoon peak hour Overall Levels of Service at the intersection of Airport Road and Milford Road is A during the Existing Condition and 2024 Build-Out Condition.*
- c. *The Queue Analysis has determined that the queue lengths will not extend into adjacent intersections or disrupt the internal operations of the proposed development.*
- d. *Four (4) new truck trips have been determined at the intersection of Airstrip Road and Airport Road during the weekday morning and afternoon peak hour.*

*Based upon our review of the TIS, the following comments shall be addressed.*

- a. *Currently the TIS provides the Levels of Service and delay (in seconds) at the EB Airstrip Road and NB Airport Road in Table 1, Airport Road, and Airstrip Road, however each turning movement should be analyzed for the Level of Service and delay. Therefore, the EB left and right movements from Airstrip Road, and the left and thru movements from Airport Road should each be presented with a Level of Service rating and delay. Similarly, Table 1, Airport Road, and Milford Road (S.R. 2012) should be revised the same.*
  - b. *One hundred sixty-eight (168) new vehicle trips have been determined for the proposed development. The total vehicle trips for Airstrip Road, including the development of Vigon shall be presented and/or summarized in the TIS.*
6. *In accordance with Section 402 and Schedule II, a manufacturing and wholesale or warehouse establishment requires one (1) parking space for each three (3) employees, plus one (1) for each 1,000 gross square feet, but not less than 25% of the total floor area, plus one (1) per each three (3) employees. The proposed factory requires 132 parking spaces plus one (1) space for each employee. Sixty-three (63) parking spaces are proposed. The Zoning Data on Sheet 2 acknowledges the proposed parking not meeting the requirements of Schedule II and notes that a variance will be required.*
  7. *In accordance with Section 502.7.A, “tree fences or other approved landscaping features, shall be provided for screening purposes along any boundary of a commercial, planned boulevard and/or manufacturing lot which abuts an existing lot used solely for residential purposes. Minimum height and density of the screening features shall be approved by the Board of Supervisors.” Screening is provided along the northerly property line shared between the adjoining residential dwelling and the proposed development. The parcel line between Parcels 16-7312-00-37-9122 and 16-7312-00-57-2601 shall be shown on the plan to ensure the screen is provided along the length of the parcel*



*that is being developed.*

8. In accordance with Section 502.7.B.(1), “a minimum of one (1) tree shall be planted within the perimeter planting area for every fifty (50) feet of the perimeter of the parking area exclusive of driveway widths. Required perimeter trees shall be planted no less than twenty-five (25) feet and no more than fifty (50) feet apart. Interior landscaped islands within parking areas shall include one (1) shade tree for each twenty (20) feet in length and five (5) shrubs for each forty (40) feet in length.” *Twelve (12) shade trees are required around the perimeter of the proposed parking area and 12 trees are proposed. However, the proposed trees should also be placed along the northern edge of the proposed parking area.*

*In addition, the Planting Schedule lists 7 required trees and 17 required shrubs for 137 linear feet of interior island. The linear footage appears incorrect and the number of required and provided trees shall be revised accordingly.*

9. In accordance with Section 504.A, “after the effective date of this Chapter and except as otherwise herein provided, no person shall erect any sign as defined herein without first obtaining a zoning/building permit therefor from the Zoning Officer.” *A note to this effect shall be placed on the plan.*

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

10. In accordance with Section 602.G, “the applicant/developer shall notify all abutting property owners of the proposed development. This notification shall contain a statement as to the size and scope of the proposed project and the date of the first Planning Commission review of the project. Said notice shall be sent to the mailing address of the abutting property owners as shown on the tax rolls of the Township. A list indicating the names and addresses of the people notified as well as a copy of the letter sent, a certification with “return receipt requested” indicating that the letters had been sent shall be submitted to the Township.” *The required notifications must be sent to the neighboring property owners with proof of notification provided to the Township.*
11. In accordance with Section 603.A.7, the plan shall include “proof of any, modification, variance or special exceptions which may have been granted by the Township Zoning Hearing Board.” *All requested and approved Conditional Uses, Variances, and plan modifications must be listed on the plan with any conditions and dates of approval.*
12. In accordance with Section 603.A.11, “a recent title report shall be submitted verifying any restrictions in the deed affecting the subdivision or development of the property, including, but not limited to, any underground, overhead or surface utility easements or rights-of-way. Copies of easements shall be submitted for review.” *The required title report shall be submitted.*
13. In accordance with Sections 603.A.12 and 703.D, proof of submission to all agencies, authorities, commissions, persons, etc., required to be distributed by the applicant/developer under the submission guidelines of this Part. *Submission to the following agencies is required.*
  - a. *Monroe County Planning Commission – Provide comments received from the Planning Commission upon receipt.*

- b. *Monroe County Conservation District, PADEP NPDES Approval – Provide all submissions to, correspondences with, and permit from the County Conservation District.*
  - c. *Smithfield Sewer Authority – Provide capacity letter from the Authority.*
  - d. *Brodhead Creek Regional Authority – Provide will-serve letter from Authority.*
  - e. *Pennsylvania Department of Environmental Protection – Provide Sewage Facilities Planning Module approval.*
  - f. *Fire Company – Provide proof of submission to and any comments from the fire company.*
14. In accordance with Section 603.A.15, “a community impact analysis including the following information shall be submitted for rural residential developments or subdivisions containing fifteen (15) or more dwelling units or residential lots in the aggregate; all non-residential developments (with the exception of agricultural development) with buildings containing in excess of thirty thousand (30,000) square feet of impervious surface; development of any kind impacting thirty (30) acres of land or more in the aggregate; or any development where, at the discretion of the Board of Supervisors, a community impact analysis would be required.” *The following comments are related to our review of the Community Impact Analysis.*
  - a. *Language noting the decommissioning of the existing airport shall be included.*
  - b. *The Analysis shall provide a short summary of the results of the Transportation Impact Study.*
15. In accordance with Section 603.B.6, the boundary line of the subdivision shall be shown as a solid heavy line.” *The boundary line of Parcels 16-7312-00-37-9122 and 16-7312-00-57-2601 shall be shown with metes and bounds on the plan.*
16. In accordance with Section 603.D.1, the Existing Resources and Site Analysis Plan shall include “a complete outline survey of the property to be subdivided or developed shall be provided, showing all courses, distances, areas, and tie-ins to all adjacent intersections. The survey shall not have an error of closure greater than one (1) part in ten thousand (10,000). Lot closure reports shall be submitted demonstrating the above stated closure requirements.” *The Lots 1 & 2 Line/Curve Table shall be provided on the Existing Resources and Site Analysis Plan, or a note referencing the location of the table in the plan set shall be added.*
17. In accordance with Section 603.D.13.(h), “wetlands shall be defined by metes and bounds.” *The plan shall be revised accordingly.*
18. In accordance with Section 603.G.2, the plan shall show “building setback lines established by zoning or other ordinances or deed restrictions with distances from the right-of-way line. Building setback lines from floodplains, water features and wetlands shall be shown as chords and defined by metes and bounds. Building setback lines shall be truncated where an easement, buffer, or right-of-way is proposed which would limit the ability of future homeowners from building.” *The building setback lines shall end at the outer wetland buffer.*

19. In accordance with Section 603.G.13, turning movement diagrams shall be provided to demonstrate that the largest truck or emergency vehicle servicing the development can safely and conveniently navigate the proposed roads, drives, parking and loading areas." *Turning movement diagrams shall be provided on the plan and presented to the fire company. The movements shall include the cul-de-sac bulb at the new terminus of Airstrip Road.*
20. In accordance with Section 603.G.16, The Preliminary Plan Application shall contain "A proposed stormwater management plan, prepared in accordance with the Smithfield Township Stormwater Management Ordinance [Chapter 26, Part 2], the PA DEP BMP Manual, and this Chapter all as amended including a plan of the surface drainage system of the tract to be subdivided or developed, shall be provided along with supporting calculations showing watershed areas, inlets, pipe size and material, pipe slope, headwalls, endwalls, and manholes and a statement of the design parameters utilized in arranging and sizing the system." *Refer to the Stormwater Management Ordinance Comments and the Stormwater Management and Storm Sewer Design Comments.*
21. In accordance with Sections 603.G.17 and 1302.I.A, a soil erosion and sediment control plan and design basis of surface and subsurface drainage for protection against soil erosion during and after the construction period shall be provided. *The proposed disturbance is greater than one (1) acre and a NPDES permit from the Monroe County Conservation District is required. All submissions to, correspondences with, and permit from the Conservation District shall be provided upon receipt. Based upon our review, erosion control matting shall also be provided along the slopes and swales leading to Endwall 20.*
22. In accordance with Section 603.G.21, "the plan shall include "a statement or certificate by the applicant/developer indicating that, to the best of his or her knowledge, the plans are in conformity with engineering, zoning, building, sanitation and other applicable Township ordinances and regulations and, if they are not so conforming, detailing the areas of nonconformance and the reasons for requesting a modification to the Township standards". *The statement/certificate shall be provided on the plan.*
23. In accordance with Sections 603.G.24, 1401.3, and 1406, the applicant/developer shall supply to the Township a statement from a registered engineer detailing the demands that the proposed development will have on the existing public sanitary sewer and public water systems within the Township. The applicant/developer shall supply an application for reservation of capacity or an executed capacity reservation agreement from the appropriate authorities having jurisdiction. *A capacity letter from the Sewer Authority, approval of a PADEP Sewage Facilities Planning Module, a will-serve letter from BCRA, and capacity reservation agreements shall be provided.*
24. In accordance with Section 603.G.25, a preliminary plan not involving subdivision of land shall provide preliminary elevation sketches and floor plans. *The required architectural plans shall be submitted.*
25. In accordance with Section 603.H.3.(b)(1) and 603.H.3.(b)(2), the plan shall include a "profile of existing ground surface with elevations at top of manholes or inlets", and a "profile of storm drains and subsurface drains or sewer, showing type and size of pipe, grade, cradle, manhole, and inlet locations". *Profiles of the proposed storm sewer including the basin discharge pipes with anti-seep collars, and a profile of the sanitary sewer lateral shall be provided on the plan.*

26. In accordance with Section 1005, "wherever a central or public water supply system serves a development, provision shall be made for fire hydrants along streets or on the walls of nonresidential structures as approved by the Fire Company servicing the development in accordance with all prescribed State and county standards". *The Applicant shall discuss the proposed development with the Fire Company.*
27. In accordance with Section 1014.2.B, "curbs shall be constructed in accordance with the standards shown on the Curb Construction Standards, in Appendix C of this Chapter and may be constructed of concrete or Belgian Block." *The "3,000 psi" concrete specified in the Concrete Curb Detail on Sheet 22 shall be revised to note "3,300 psi" concrete as required in Appendix C. In addition, there are three (3) asterisks at the 6" curb height dimension and 0" "where depressed" note. The note the asterisks should be referencing shall be placed on the plan.*
28. In accordance with Section 1015.5, "sidewalks and walkways adjacent to parking areas shall be set back a minimum of five (5) feet to prevent car overhang from restricting pedestrian movement along the sidewalk". *The proposed sidewalk is immediately adjacent to the parking lot and shall be relocated.*
29. In accordance with Section 1020.A, "the lighting plan shall provide for nonglare lights focused downward. The incident light intensity provided at ground level shall be a minimum of one-half (0.5) footcandle anywhere in the area to be illuminated, except where such illumination will cause a spillover effect on adjacent properties. Lighting shall be provided by fixtures with a mounting height not more than twenty (20) feet." *The footcandles shall be clearly presented on the Lighting Plan (Sheet 20).*
30. In accordance with Section 1024.4, "street trees shall be provided at the rate of not less than two (2) trees for every ten (10) parking spaces, which shall be in addition to any other requirements for buffering or landscaping". *Thirteen (13) trees are required and twelve (12) are proposed. One (1) additional tree shall be provided.*
31. In accordance with Section 1026.2, "collection stations shall be located so as to be separated adequately from habitable buildings to avoid being offensive or a fire hazard and shall be hidden from sight by a solid fence or wall and landscaped and be convenient for collectors and residents. Turning movement diagrams shall be provided demonstrating that the containers can be accessed by a collection truck safely." *A dumpster pad and enclosure detail shall be provided on the plan. In addition, turning movement diagrams shall be provided for trucks accessing the dumpster.*
32. In accordance with Section 1101.1.A.(4), "all plant material shall meet the standards of the American Standard for Nursery Stock by the American Nursery and Landscape Association (2004) or most recent edition, and any heights, spreads and/or caliper sizes for trees and shrubs indicated in this Section". *A note to this effect shall be placed on the plan.*
33. In accordance with Section 1101.1.A.(8), "street trees shall be a minimum of three (3) inches in caliper and shall be a species suggested in subsection (1)(C)(3)(a), street trees. All main branches shall be pruned to a clearance height of seven (7) feet above the ground. Street trees shall have a single, straight trunk and central leader and shall be free of disease and mechanical damage. A note shall be added to the landscape plans stating this information." *Upon review of the Planting Schedule on the Landscape Plan (Sheet 19), it does not appear the proposed street trees are 3-inches minimum caliper, and the Schedule shall be revised to clearly indicate which are street trees*

*with their required minimum caliper. The street trees shall be per the approved list in Section 1101.1.C.(3). In addition, the required note shall be placed on the plan.*

34. In accordance with Section 1101.1.C.(1)(c), "street trees shall be required for any subdivision or land development where suitable street trees do not exist as part of the design and construction of existing streets, sidewalks, pedestrian ways, highways, bicycle trails or pathways that abut or lie within the subdivision or land development". *The Planting Requirements chart on the Landscape Plan (Sheet 19) calculates the required number of street trees utilizing 222 feet of roadway, however it appears this length is that between the access driveway to the project site and the westerly edge of the cul-de-sac bulb. The length shall also include the area between the easterly edge of the cul-de-sac bulb to the shared property line between Parcels 16-7312-00-37-9122 and 16-7312-00-57-2601, excluding the areas of existing wetlands.*
35. In accordance with Section 1101.1.F.(2)(d)(1), "a fence must be provided around all detention or retention basins". *A fence shall also be provided around Infiltration/Detention Basin 002.*
36. In accordance with Section 1202.A, "in conformance with the Pennsylvania Municipalities Planning Code, this Section requires the public dedication of land suitable for park land, noncommercial recreational uses, preserved open space, and the construction of recreational facilities. Upon agreement of the Board of Supervisors, any of the following alternatives may be approved by the Board of Supervisors in lieu of public dedication of land, as specified in this Section:
  1. Payment of recreation fees.
  2. Construction of recreation facilities.
  3. Dedication of recreation land or preserved open space to the Township or its designee.
  4. A combination of these alternatives."

*Open space and recreation facilities and/or a fee in-lieu-of shall be provided.*

37. In accordance with Section 1301.6.C.(5), "the top of the outlet box shall be set at the one hundred (100) year water surface elevation and shall have an open grate". *The grate elevation of the outlet structure at Infiltration/Detention Basin 002 shall be set to the 100-year water elevation.*
38. In accordance with Section 1301.7.G, "the minimum top width of the detention basin embankment shall be ten (10) feet. An embankment stability analysis shall be supplied for basins with a proposed embankment slope which is less than ten (10) feet." *The berm widths at Infiltration/Detention Basins 001 and 002 are 8-feet and 6-feet, respectively, and shall be revised.*
39. In accordance with Section 1301.7.J.(5), "the minimum capacity of all emergency spillways shall be the peak flow rate from the one hundred (100) year design storm after development". *Emergency spillway calculations shall be provided.*
40. In accordance with Section 1301.7.Q.(2), "the minimum diameter of all storm drainage pipe shall be eighteen (18) inches or an equivalent thereto. Where headroom is restricted, equivalent pipe



arches may be used in lieu of circular pipe.” *Proposed storm sewer between Endwall 32 and Inlet 31, and Inlets 31 and 30 is 15-inch diameter pipe and shall be revised.*

41. In accordance with Section 1302.1.D, “final plans for minimizing erosion and sedimentation as approved will be incorporated into the Agreement and Financial Securities requirements as required by the Township.” *The construction cost estimate shall include the required erosion and sedimentation controls.*
42. In accordance with Section 1302.3.K “perimeter grades at the corners of the building shall be shown on the grading plan.” *Spot elevations shall be provided at all corners of the proposed building.*
43. In accordance with Sections 1503 and 1504, “no plan shall receive final approval unless the streets shown have been improved to a permanently passable condition, or improved as may be required by this Chapter, and any walkways, bikeways, curbs, gutters, streetlights, fire hydrants, shade trees, landscaping, parking lots, line striping, stormwater management facilities, erosion and sedimentation control measures, water mains, sanitary sewers, storm drains and other improvements as may be required by this Chapter or the Smithfield Township Zoning Ordinance [Chapter 27] have been installed. In lieu of the completion of any improvements, the applicant/developer shall furnish to the Township financial security with such surety as the Board of Supervisors shall approve, in an amount sufficient to cover the costs of any improvements which may be required. Such financial security shall provide for and secure to the public the completion of any improvements which may be required on or before the date fixed in the formal action of approval or accompanying agreement for completion of improvements. The amount of financial security to be posted for completion of the required improvements shall be equal to one hundred ten percent (110%) of the cost of completion estimated as of ninety (90) days following the date of scheduled for completion by the applicant/developer. Annually, the Township may adjust the amount of the financial security 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 ninetieth (90th) day after either the original date scheduled of completion or a rescheduled date of completion. Subsequent to said adjustment, the Township may require the applicant/developer to post additional security in order to assure that the financial security equals said one hundred ten percent (110%). Any additional security shall be posted by the applicant/developer in accordance with this Section.” *A construction cost estimate for the improvements shall be provided for review and financial security shall be posted prior to plan recordation.*
44. In accordance with Section 1506.2, “the following is a list of items required for as-built drawings. Please note that additional items may be required on a case-by-case basis. Water and sewer as-built drawings should be coordinated with the respective authorities. The as-built plans shall consist of the original plans with design information struck with as-built information placed next to design information. If revised topography is needed due to a significant change in grade (+/-one-half (0.5) feet), the revised topography should be shown in a matter to distinguish it from design topography. *A note shall be placed on the plan requiring an as-built plan in accordance with this Section 1506.2.*
45. In accordance with Section 1601.3, “all requests for a modification shall be in writing and shall accompany and be a part of the application for development. The request shall state in full the grounds and facts of unreasonableness or hardship on which the request is based, the provision or provisions of the ordinance involved and the minimum modification necessary.” *All waiver*

*requests shall be submitted in writing with justification and listed on the plan with dates of approval.*

#### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

46. In accordance with Section 221.11, “roof drains shall not be connected to streets, sanitary or storm sewers or roadside ditches in order to promote overland flow and infiltration/ percolation of stormwater where advantageous to do so. Considering potential pollutant loading, roof drain runoff in most cases will not require pretreatment.” *The proposed roof drains are tied into the proposed storm sewer that discharges to Infiltration/Detention Basin 00001. A waiver is required as proposed.*
47. In accordance with Section 223.1.1.(d)(1)(a), permitted activities/development within the 50-foot inner wetland buffer area: “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP and passive unpaved stable trails shall be permitted. No other earth disturbance, grading, filling, buildings, structures, new construction, or development shall be permitted.” *The discharge pipe from Infiltration/Detention Basin 001 and scour hole and storm sewer crossing Airstrip Road are proposed within the inner wetland buffer. We believe these are permitted, however other construction including grading and the northerly retaining wall are also proposed within the inner buffer and a waiver will be required.*
48. In accordance with Section 223.1.1.(d)(2)(a), permitted activities/development within the 100-foot outer wetland buffer area: “stormwater conveyance required by the Township, buffer maintenance and restoration, the correction of hazardous conditions, stream crossings permitted by DEP, roads constructed to existing grade, unpaved trails, and limited forestry activities that do not clear cut the buffer (e.g., selective regeneration harvest) in accord with a forestry management plan shall be permitted provided no buildings are involved, and those activities permitted under §§223(1)(5) and 223(1)(6)”. *Infiltration/Detention Basins 001 and 002 are proposed within the outer buffer as well as retaining walls, driveway, and building. A waiver is required as proposed.*
49. In accordance with Section 226.2, “all calculations consistent with this Part using the soil cover complex method shall use the appropriate design rainfall depths for the various return period storms according to the region in which they are located as presented in Table B-1 in Appendix B. If a hydrologic computer model such as PSRM or HEC-1 is used for stormwater runoff calculations, then the duration of rainfall shall be twenty-four (24) hours. The SCS “S” curve shown in Figure B-1 of Appendix B shall be used for the rainfall distribution.” *Rainfall data from the NOAA was utilized in the calculations. We would support a waiver from Section 226.2.*
50. In accordance with Section 226.3, “for the purposes of existing conditions flow rate determination, undeveloped land shall be considered as “meadow” in good condition, unless the natural ground cover generates a lower curve number or Rational “C” value, as listed in Table B-2 or B-3 in Appendix B”. *The existing impervious area has been reduced by 20% and the calculations shall be revised to consider all existing impervious areas as meadow.*
51. In accordance with Section 226.4, “times-of-concentration for overland flow shall be calculated using the methodology presented in Chapter 3 of Urban Hydrology for Small Watersheds, NRCS, TR-55 (as amended or replaced from time to time by NRCS). Times-of-concentration for channel and pipe flow shall be computed using Manning’s equation.”

- a. *The Shallow Concentrated Flow length utilized in the Ex South time of concentration calculation appears high when compared to that on the plan. The calculation or plan should be revised.*
  - b. *A time of concentration of 4.2 minutes is utilized in the Post North peak flow calculation. Chapter 3 of the Urban Hydrology for Small Watersheds (TR-55) requires a minimum 6-minute time of concentration. The calculation shall be revised.*
  - c. *The time of concentration calculation for Post to North Basin utilizes sheet flow and shallow concentrated flow, however the Proposed Conditions Drainage Area Plan shows the time of concentration path as pipe flow and the calculation shall be revised.*
  - d. *The time of concentration calculation for the Post to South Basin shall be provided.*
52. In accordance with Section 226.6, “runoff coefficients (c) for both existing and proposed conditions for use in the rational method shall be obtained from Table B-3 in Appendix B”. *A calculation in support of the rational coefficient for Drainage Area 20 shall be provided.*
53. In accordance with Section 227.4, “any stormwater management facility (i.e., BMP, detention basin) designed to store runoff and requiring a berm or earthen embankment required or regulated by this Part shall be designed to provide an emergency spillway to handle flow up to and including the one hundred (100) year proposed conditions. The height of embankment must provide a minimum one (1.0) foot of freeboard above the maximum pool elevation computed when the facility functions for the one hundred (100) year proposed conditions inflow. Should any stormwater management facility require a dam safety permit under Chapter 105, the facility shall be designed in accordance with Chapter 105 and meet the regulations of Chapter 105 concerning dam safety which may be required to pass storms larger than the one hundred (100) year event.” *Emergency spillway calculations for Infiltration/Detention Basins 001 and 002 shall be provided. In addition, the high-water elevations of the 50- and 100-year storm events at Infiltration/Detention Basin 002 exceed the proposed elevation of the emergency spillway. The emergency spillway shall be revised accordingly.*
54. In accordance with Section 227.7, any drainage conveyance facility and/or channel not governed by Chapter 105 must be able to convey at a minimum, without damage to the drainage structure or roadway, runoff from the fifty (50) year design storm. *Calculations in support of the proposed vegetated swales shall be submitted.*
55. In accordance with Sections 228.1 and 223.A.4, any earth disturbance must be conducted in conformance with Chapter 102, and an erosion and sedimentation control plan, including all reviews and letters of adequacy obtained by the Conservation District shall be provided to the Township. *The proposed disturbance is greater than one (1) acre and a NPDES permit from the Monroe County Conservation District is required. All submissions to, correspondences with, and permit from the Conservation District shall be provided upon receipt. Also refer to Comment 21.*
56. In accordance with Section 228.2.A, “areas proposed for infiltration BMPs shall be protected from sedimentation and compaction during the construction phase to maintain maximum infiltration capacity.” *Sheet 15 notes that the area within proposed Infiltration/Detention Basin 002 shall remain undisturbed. The same note shall be provided for Infiltration/Detention Basin 001.*

57. In accordance with Section 281.3, “the applicant shall make all requests for waivers in writing and include such requests as a part of the application for development. The applicant shall state in full the grounds and facts, of unreasonableness or hardship on which the request is based, the provision or provisions of this Part involved and the minimum waiver necessary. The applicant shall state how the requested waiver and applicant’s proposal shall result in an equal or better means of complying with the intent of this Part as stated in Part 2A.” *All waiver requests shall be made in writing with justification and listed on the plan with dates of approval.*

#### **STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS**

58. The discharge elevations from Infiltration/Detention Basins 001 and 002 are 2-feet and 1.5-feet, respectively. A discharge pipe with valve should be provided at each of the basin bottoms to allow for discharge of stormwater should ponding occur for greater than four (4) days.
59. A calculation for the design infiltration rate at Infiltration/Detention Basin 002 is provided in the Stormwater Management Calculations, however infiltration is not utilized in the Pond Report. This should be addressed.
60. The Operation and Maintenance note on Sheet 17 that references the Township accessing the site and maintaining the stormwater management facilities shall be expanded to include language indicating the Township is not responsible for the costs of maintenance, repairs, replacement, etc.
61. On Sheets 18 and 24, the outlet elevation at Infiltration/Detention Basin 001 is inconsistent between the Section Through Berm Detail (470.70) and the Outlet Structure Detail (470.00). The Outlet Structure detail is consistent with the Pond Report. The details and/or Pond Report shall be revised.
62. The Section Through Infiltration/Detention Basin 001 Berm on Sheets 18 and 24 show a pipe outlet invert elevation of 470.00. The associated grading with this outlet elevation and scour hole shall be provided on the plan.
63. One (1) discharge pipe is utilized in the Pond Report for Infiltration/Detention Basin 002, while two (2) are shown in the Outlet Structure detail on Sheets 18 and 24. The Pond Report or detail shall be revised.
64. The Snout Oil-Water-Debris Separator Installation detail on Sheet 23 lists Inlets 12 and 21. Inlet 12 shall be revised to Inlet 13, and it does not appear an Inlet 21 is proposed. Also, Inlets 13 and 31 shall note a 24-inch discharge pipe and the type of snout should be corrected accordingly.
65. An Anti-Seep Collar detail is provided on Sheet 24. Supporting calculations shall be provided.
66. A Section Through Berm detail for Infiltration/Detention Basin 002 shall be provided on the plan.
67. The inlet out elevation at Inlet 13 is inconsistent between Sheet 9 and the Combined Pipe/Node Report in the Stormwater Management Calculations. The plan or report shall be revised.
68. The proposed dumpster pad is located over storm sewer between Inlet 13 and Manhole 18. The relocation of the dumpster pad should be considered.
69. The type of inlet and inlet size shall be provided in plan view or within the required profiles.

70. On Sheet 24, the 9-inch by 24-inch orifice at Infiltration/Detention Basin 001 shall be dimensioned in its Outlet Structure detail.

### **DESIGN COMMENTS**

71. A detailed plan of the proposed handicap ramp and spaces shall be provided in the plan set and shall include dimensions, slope arrows, and spot elevations to confirm the ramp design and grading across the parking spaces is in accordance with the Americans with Disabilities Act.
72. The parking lot grading is less than 0.5% between spot elevation 479.26 and the 479 contour. The proposed grade shall be revised to be a minimum of 0.5%.
73. On Sheet 19, Landscape Plan, there are conflicts between light posts and proposed trees on the northerly end of the proposed parking area and north of the proposed Infiltration/Detention Basin 001. The plan shall be revised to remove these conflicts. In addition, the GS tree labels at the proposed parking lot appear incorrect and should be revised.

### **FLOODPLAIN ORDINANCE COMMENTS**

74. In accordance with Section 103.2.A, "it shall be unlawful for any person to undertake, or cause to be undertaken, any construction or development anywhere in, on, under, across, or through the floodplain of the Township of Smithfield unless a conditional use permit has been obtained from the Floodplain Administrator and after hearing by the Township Board of Supervisors."

In addition, and in accordance with Sections 105.A and 108, activities/development that are compatible with maintaining the existing hydrologic regime and do not alter the cross-sectional dimension of the floodplain and its storage capacity, including stormwater conveyance and stormwater management facilities for water quality as outlined in the Township's Stormwater Management Ordinance are permitted.

*The discharge pipe from Infiltration/Detention Basin 001 and the scour hole are located within Zone AE of the FEMA 100-year floodplain. This work is permitted by Conditional Use, however additional information such as the grading at and associated with the scour hole shall be provided on the plan.*

### **MISCELLANEOUS COMMENTS**

75. A detail in support of the proposed retaining walls shall be placed on the plan with a note indicating that design plans and calculations prepared by a PA Professional Engineer are required prior to construction.
76. The basin seed mix shall be clearly identified on the plan.
77. The referenced Jurisdictional Determination dated July 30, 2020, shall be submitted.
78. Improvements along Airstrip Road are shown as proposed on these plans. To ensure construction follows the previously approved Airstrip Road design the proposed improvements shall be removed from these plans, and those improvements shall be referenced by note with approved plan name and date. In addition, we understand that the improvements along Airstrip Road are to be



constructed for access to the Vigon Land Development. The timing of the Airstrip Road construction shall be addressed.

79. On Sheet 6, Existing Resources and Site Analysis Plan, shows the existing runway removed past the limits of disturbance. The impervious area being removed, or the limit of disturbance shall be revised.
80. On Sheet 6, Existing Resources and Site Analysis Plan, the hatching for the wetland margin and impervious areas to be removed are the same and should be revised for clarity.
81. Sheets 18 and 24 have duplicate outlet structure, emergency spillway, berm, and scour hole details. We suggest only one (1) set of details be provided in the plan set.

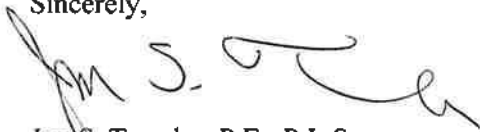
The above comments represent a thorough and comprehensive review of the limited information submitted with the intent of giving the Township the best direction possible. However, due to the number and nature of the comments in this review, the receipt of new information may generate new comments.

We recommend the above comments be addressed to the satisfaction of Smithfield Township, prior to approval of the Preliminary/Final Land Development Plan.

In order to facilitate an efficient re-review of revised plans, the 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 contact me.

Sincerely,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/meh/tms

cc: Ronold J. Karasek, Esquire, Smithfield Township Solicitor  
Ken Wolf, Smithfield Township Zoning Officer  
Mark Buckvalt, P.E., T and M Associates – Applicant's Engineer  
Todd Grimm, Black Buffalo 3D Corporation – Applicant  
Black Buffalo Land Acquisition, LLC – Property Owner  
Lori Kerrigan, Head Resource Conservationist, Monroe County Conservation District  
Melissa E. Hutchison, P.E. – LVL Engineering Group



June 7, 2022

Smithfield Township Planning Commission  
1155 Red Fox Road  
East Stroudsburg, PA 18301

**SUBJECT: MOOVE IN SELF STORAGE  
PRELIM/FINAL LAND DEVELOPMENT PLAN REVIEW NO. 1  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 2232244R**

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

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our first review of the Preliminary/Final Land Development Plan for the above referenced project. The submitted information consists of the following items.

- Transmittal letter to Smithfield Township prepared by Bogia Engineering, Inc., dated April 26, 2022.
- Letter to Smithfield Township Zoning Officer regarding Special Exception requirement determination, prepared by Bogia Engineering, Inc., dated April 28, 2022.
- Smithfield Township Zoning/Building Permit Application.
- Smithfield Township Application for Review of a Subdivision or Land Development.
- Waiver and Deferral Request, prepared by Bogia Engineering, Inc.
- Email to Smithfield Township from Bogia Engineering, Inc., dated April 29, 2022.
- Escrow Agreement and Professional Services Agreement, signed by Developer, dated April 25, 2022.
- Property Deed with Certification Page, Deed Book 2577, Page Number 3399, recorded on May 19, 2021.
- Stormwater Management Report, prepared by Bogia Engineering, Inc., dated April 2022.
- Erosion & Sediment Control Report prepared by Bogia Engineering, Inc., dated April 2022.
- Preliminary/Final Land Development Plans (Sheets 1 through 13 of 13), prepared by Bogia Engineering, Inc., dated April 4, 2022.

### **BACKGROUND INFORMATION**

The Applicant/Developer, Investment Real Estate Construction, LLC, has submitted the Preliminary/Final Land Development Plan for the Moove In Self Storage Land Development.

The existing property is located within both Smithfield Township and the Borough of Delaware Water Gap along the western side of Foxtown Hill Road (SR 0611) across from its intersection with Main Street (S.R. 0611). The site is within the RI Low-Density Zoning District in Smithfield Township and the VC-1 Village Commercial Zoning District of the Borough of Delaware Water Gap and has a total area of 17.93 acres. The site is made up of three tax parcels and consists of seven existing self-storage unit buildings, three additional small buildings, three parking areas, drive aisles around the buildings and a large, wooded area. The majority of the existing developed area of the site is in the Borough of Delaware Water Gap, however approximately half of the area of the proposed improvements lie in Smithfield Township and the other half of the area of the proposed improvements lies in the Borough. The site takes access via two existing driveways onto Foxtown Hill Road (S.R. 0611).

The proposed development will include the construction of a two-story storage building having a total area of 33,000 square feet, with a 30-foot-wide drive aisle around the building, a grassed island, a stormwater detention basin, and associated landscaping. No additional office space is proposed. The proposed detention basin is located wholly in the Borough.

A separate submission of the Land Development plans, and documents has also been made to the Borough of Delaware Water Gap for its review.

Based upon our review, we recommend the Planning Commission accept the submitted plan as a Preliminary/Final Land Development Plan for review, providing all other requirements will be met including, but not limited to, formal written applications, and application fees with establishment of an escrow to cover the costs of review.

In addition, we have performed our first review of the above information. We offer the following comments and/or recommendations for your consideration.

### **ZONING ORDINANCE COMMENTS**

1. As noted on the Cover Sheet (Sheet 1 of 13) and in accordance with the Smithfield Township Zoning Ordinance - Schedule of District Regulations in Section 308, a self-storage development is not a permitted use in the R-1 Low-Density Residential Zoning District. In accordance with Section 604.A, "Such alteration, reconstruction, extension or enlargement shall be permitted only by special exception as may be approved by the Zoning Hearing Board pursuant to this Chapter." *The Applicant is requesting a Special Exception to expand the nonconforming use.*  
  
However, in accordance with Section 604.C, "Any increase in volume or area of the nonconforming use or structure shall not exceed an aggregate of more than one-third (1/3) of said volume or floor area during the life of the nonconformity, except as provided hereafter." *The floor area of the existing self-storage buildings in Smithfield Township is approximately 12,360 square feet. Therefore, the increase in floor area shall not exceed one third or 4,120 square feet. The floor area of the portion of the proposed building in Smithfield Township is approximately 19,500 square feet, which is 3,020 square feet greater than the allowable increase. We believe a variance is required from Section 604.C to allow this increase of the nonconforming use.*
2. In accordance with the Smithfield Township Zoning Ordinance - Schedule of District Regulations in Section 308, the maximum allowed building coverage is 20%. *The Zoning Data table on the Cover Sheet (Sheet 1 of 13) notes that a building cover of 35% ± is proposed. The existing building coverage shall also be provided in the Zoning Data table to determine whether an increase in building coverage will occur. A variance may be required.*
3. In accordance with the Smithfield Township Zoning Ordinance - Schedule of District Regulations in Section 308, the required side yard is 25 feet. *The Zoning Data table on the Cover Sheet (Sheet 1 of 13) notes that a 20-foot side yard is proposed, and the plan view shows a 20-foot side yard setback. The plans shall be revised to provide a 25-foot side yard setback to demonstrate compliance with this Section.*
4. In accordance with the Smithfield Township Zoning Ordinance - Schedule of District Regulations in Section 308, the required lot width is 125 feet. *The Zoning Data table on the Cover Sheet (Sheet 1 of 13) notes that the lot width is 73 feet within Smithfield Township. This is an existing nonconformity and shall be noted in the Zoning Data table as such.*

5. In accordance with Section 401.1.C, the maximum permitted impervious area in the R-1, Low-Density Residential Zoning District on a property without on-lot sewage disposal and public water is 25%. *The existing and proposed impervious areas in percent, square feet, and acres shall be noted in the Zoning Data table on the Cover Sheet (Sheet 1 of 13).*
6. In accordance with Section 402.7, “accessible parking spaces for disabled persons shall be provided in accordance with the Federal requirements as set forth in the Americans with Disabilities Act.” *No handicap parking spaces are shown on the plan. It appears sixteen (16) parking spaces are provided in support of the existing office. Therefore, per the 2010 ADA Standards for Accessible Design, one (1) handicap parking space is required. In addition, and per the ADA Standards, every six (6) or fraction of six (6) handicap parking spaces shall be van accessible. The plans shall be revised to provide one (1) van accessible parking space with the appropriate signage. Sign and pavement marking details will also be required on the plan.*
7. In accordance with Section 403.B.3, “All areas shall be paved and adequately drained, and shall be constructed in accordance with standards established by the Township.” *There are two low spots at elevation 388 in front of the proposed building around existing storm manholes that will create ponding. Also, the northwestern portion of the site drains directly toward the rear of the proposed building. Spot elevations for the exterior corners of the existing buildings and the proposed pavement along the front and rear of the proposed building shall be provided on the Grading & Utility Plan (Sheet C-104, Sheet 5 of 13) to demonstrate positive surface drainage away from the building and into the proposed inlets and detention basin.*
8. In accordance with Section 404.2.A.(1), “A traffic impact study shall be required for all subdivisions and land developments that, at build-out, are projected to generate fifty (50) or more trip-ends per project peak hour or five hundred (500) trip-ends per day based on the latest edition of Trip Generation published by the Institute of Transportation Engineers. This shall include project additions, changes of use and replacement of nonconforming uses that increase the total traffic (existing plus new traffic) to more than five hundred (500) trip ends per day.” *The Design Engineer shall address the project peak hour trips, in writing, to determine if a traffic impact study will be required.*
9. In accordance with Section 404.3.I, “Upon submission of preliminary access plans or highway occupancy permit plans to the Pennsylvania Department of Transportation, the applicant shall submit a copy of such plans along with any attached subdivision or land development plans to Smithfield Township. Issuance of a highway occupancy permit by the Pennsylvania Department of Transportation does not guarantee approval of plans by Smithfield Township.” *The existing Pennsylvania Department of Transportation Highway Occupancy Permit(s) for the existing driveways shall be submitted.*
10. In accordance with Section 502.5., “Two (2) or More Buildings on a Lot. Two (2) or more principal buildings located on a parcel in single ownership shall conform to all the requirements of this Chapter which would normally apply to each building if each were on a separate lot. Separation between buildings shall be a minimum of forty (40) feet.” *The proposed building is approximately 30 feet away from the closest existing building. The plans shall be revised to demonstrate compliance with this Section.*
11. In accordance with Section 502.5.A, “a building group may not be so arranged that any permanently or temporarily inhabited building is inaccessible by emergency vehicles.” *A Vehicle Circulation Plan for a SU-40 Single Unit Truck has been submitted showing accessibility along the perimeter*

*of the proposed storage building. A fire truck circulation plan shall also be submitted. This plan shall be provided to the fire department for review and comment.*

12. In accordance with Section 502.7.E, “where applicable, the Township may require that a covenant running with the land shall be recorded delineating the responsibility of the owner of record for maintenance and replacement to the planting.” *The Township shall determine if a covenant requiring the maintenance and replacement of landscape plantings is required.*
13. In accordance with Section 504.A, “after the effective date of this Chapter and except as otherwise herein provided, no person shall erect any sign as defined herein without first obtaining a zoning/building permit therefor from the Zoning Officer.” *A note to this effect shall be placed on the plan.*

#### **SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS**

14. In accordance with Section 602.G, “the applicant/developer shall notify all abutting property owners of the proposed development. This notification shall contain a statement as to the size and scope of the proposed project and the date of the first Planning Commission review of the project. Said notice shall be sent to the mailing address of the abutting property owners as shown on the tax rolls of the Township. A list indicating the names and addresses of the people notified as well as a copy of the letter sent, a certification with “return receipt requested” indicating that the letters had been sent, shall be submitted to the Township.” *Notices shall be sent to abutting property owners, and the list of property owners with certification shall be provided to the Township.*
15. In accordance with Section 603.A.2, the Preliminary Plans shall include “Zoning regulations in a tabular format including ordinance requirements and proposed conditions including, but not limited to, yard setbacks, impervious cover, building coverage, minimum lot size requirements, minimum lot frontage, etc.” *The Zoning Data table shall be revised to also include the existing conditions of the developed site.*
16. In accordance with Section 603.A.3 and 603.D, the Preliminary Plans, including the Existing Resource and Site Analysis Plan shall provide “The parcel identification number, [reference] to the deed book and page number of the recorded subdivision and the name of the Township, County and State in which the property is located.” *The Cover Sheet and Existing Resource and Site Analysis Plan shall be revised to show, in plan view, the property lines of each of the three Tax Parcels which make up the site, and the Deed Book and Page Number and property owner for each.*
17. In accordance with Section 603.A.4, the Preliminary Plans shall provide “The name and address of the owner/developer/applicant.” *The Cover Sheet (Sheet C-100, Sheet 1 of 13) notes the Applicant as Moove In Self Storage. However, the Smithfield Township Application for Review of a Subdivision or Land Development, the Escrow Agreement, and Professional Services Agreement note the Applicant as IRE, LLC (Investment Real Estate Construction, LLC). The Cover Sheet (Sheet C-100, Sheet 1 of 13) shall be revised accordingly.*
18. In accordance with Section 603.A.5, the Preliminary Plans shall note, “The type of water supply and sewage disposal facilities proposed.” In addition, and in accordance with Sections 603.G.24, 703.D, 703.D.2, 1401.3, and 1405.3, the applicant/developer shall supply to the Township a statement from a registered engineer detailing the demands that the proposed development will have on the existing public sanitary sewer and public water systems within the Township. The applicant/developer shall provide a fully executed reservation agreement or similar approval for the proposed water service” *The Cover Sheet (Sheet C-100, Sheet 1 of 13) shall be revised to*



*provide this information. We understand that no new water or sanitary sewer service is proposed with this development. A note shall be placed on the plan indicating the types of existing water and sanitary sewer services, and that no additional service or flows will be required or occur with the proposed development.*

19. In accordance with Sections 603.A.6, 603.C.2.(h), and 603.G.3, the Preliminary Plans including the Site Context Map shall show the zoning district and boundaries. *The Cover Sheet (Sheet C-100, Sheet 1 of 13) and Site Context Map (Sheet C-101, Sheet 2 of 13) shall be revised to show the Zoning District boundaries.*
20. In accordance with Section 603.A.8, “A Tax Map format shall be used with owners’ names and parcel numbers shown on abutting properties, including those across streets.” *The plan shall be revised to show all adjoining property owner information including those properties across Foxtown Hill Road (S.R. 0611).*
21. In accordance with Section 603.A.9, the Preliminary Plans shall provide “A location map for the purpose of locating the site showing the relation of the tract to adjoining property and to all streets, roads and municipal boundaries, zoning boundaries existing within eight hundred (800) feet of any part of the property proposed to be subdivided. The scale of the location map shall allow for easy interpretation of the items listed above.” *The Zoning Map on the Cover Sheet (Sheet C-100, Sheet 1 of 13) shall be revised to clearly label two intersecting streets to aid in locating the project site.*
22. In accordance with Section 603.A.11, “A recent title report shall be submitted verifying any restrictions in the deed affecting the subdivision or development of the property, including, but not limited to, any underground, overhead or surface utility easements or rights-of-way. Copies of easements shall be submitted for review.” *A current title report shall be provided.*
23. In accordance with Section 603.A.13, “Signature blocks for the Township Planning Commission, Township Supervisors, Township Engineer, and County Planning Commission shall be included on all plan sheets which are intended to be recorded.” *The Cover Sheet (Sheet C-100, Sheet 1 of 13) shall be revised to include a signature block for the Township Engineer.*
24. In accordance with Section 603.C.2.(i), the Site Context Map shall contain the “Existing property lines.” *The Site Context Map (Sheet C-101, Sheet 2 of 13) shall be revised to show the property lines for each of the three tax parcels which make up the site.*
25. In accordance with Section 603.C.2.(j), the Site Context Map shall include the “names of owners of all properties and the names of all subdivisions” within 1,000-feet of the project site. *The Site Context Map (Sheet C-.101, Sheet 2 of 13) shall be revised to provide the required information.*
26. In accordance with Sections 603.D.2 and 603.D.10, “the plan shall be prepared as an overlay on top of aerial photography of the site. The name of the company producing the aerial information and date the aerial photography was flown shall be provided on the plan.” *The Existing Resources and Site Analysis Plan (Sheet C-102, Sheet 3 of 13) shall be revised to include aerial photography of the site with reference to its source. In addition, a reference to the source of the boundary information and topography as shown on the plans shall be noted on the Cover Sheet (Sheet C-100, Sheet 1 of 13).*

27. In accordance with Section 603.D.4, the Existing Resource and Site Analysis Plan shall provide “The location, name and right-of-way and cartway widths of all streets bordering the land to be developed or subdivided, including State and local traffic route numbers.” *The Existing Resources & Site Analysis Plan (Sheet C-102, Sheet 3 of 13) shall be revised to clearly label the cartway width and right-of-way width of Foxtown Hill Road (S.R. 0611).*
28. In accordance with Section 603.D.8, the Existing Resource and Site Analysis Plan shall include “contours at vertical intervals of two (2) feet”. *The existing contours are not visible under the steep slope area shading and the contour lines which are visible are not labeled. The Existing Resource and Site Analysis Plan shall be revised to provide the labels of the existing contour lines and to clearly show the existing contour lines on the site.*
29. In accordance with Section 603.D.9, the Existing Resource and Site Analysis Plan shall include “All ground contours taken from United States Coast and Geodetic benchmarks and run direct from the United States Coast and Geodetic benchmark to the degree that the actual elevations of spot points or contours shall be the exact elevations above the United States Coast and Geodetic datum. A full and complete description of a reestablished benchmark shall be supplied in written form in duplicate to the Township after said point has been physically established in a manner approved by the Township Engineer. Horizontal and vertical datums shall be labeled.” *The Existing Resource & Analysis Plan (Sheet C-102, Sheet 3 of 13) shall be revised to note and label the horizontal and vertical datum, and the Benchmark shall be clearly noted and labeled, as well.*
30. In accordance with Sections 603.D.11 and 603.G.9, the Preliminary/Final Plan, including the Existing Resource and Site Analysis Plan shall provide location and size of sanitary sewers, on-site sewage disposal facilities, gas mains, water mains, fire hydrants, streetlights, special structures and other underground conduits or structures, including all related appurtenances. *The plans shall be revised to label the type, length and diameter of the existing storm sewer and any other onsite underground utility lines.*
31. In accordance with Section 603.D.12, the Existing Resource and Site Analysis Plan shall show “Existing buildings (and their uses), driveways, sewer lines, storm drains, culverts, bridges, utility easements, quarries, railroads, and other significant man-made features within 200 feet of and within the site (this includes properties across roadways). If significant features exist further than 200 feet, the Township may require their inclusion.” *The Existing Resource & Analysis Plan (Sheet C-102, Sheet 3 of 13) shall be revised to show the required information. We would support a partial waiver of this requirement provided the required aerial photograph is included in the plan set. Refer to Comment 26.*
32. In accordance with Section 603.D.13, “the applicant/developer shall furnish on appropriate maps or other documents all natural features including all natural features defined and regulated by the Township Zoning Ordinance [Chapter 27], areas of boulder fields, and rock outcroppings. All applications shall include maps showing the location of the resources together with area calculations. The amounts and percentages of resources on the site, resources to be disturbed and resources to be preserved shall be shown on the plan graphically and in a chart form. The applicant/developer, as part of the preliminary plan shall submit to the Township a proposal to preserve, to the extent possible the natural features which would be desirable to leave intact.”
  - a. In accordance with Section 603.D.13(c), woodlands as defined herein shall be shown. *The areas in square feet and/or acres of the existing woodlands shall be listed on the Existing Resource and Site Analysis Plan (Sheet C-102, Sheet 3 of 13). Any disturbance shall be clearly*

*identified in plan view with a tabulation of areas disturbed in square feet and/or acres, and percent.*

- b. In accordance with Section 603.D.13(f), "Slopes of fifteen percent (15%) to twenty-five percent (25%) and slopes of greater than twenty-five percent (25%) shall be mapped and shown on the plans. The total area of land within these slopes shall be calculated and shown in table form on the plans. The area to be disturbed under the proposed plan application within each slope classification shall be shown and the area of proposed disturbance shall be shown and compared with the Zoning Ordinance [Chapter 27] requirements on slope restrictions." *The Existing Resource and Site Analysis Plan (Sheet C-102, Sheet 3 of 13) shall be revised to provide a chart with this information.*
33. In accordance with Section 603.E, a Resource Impact and Conservation Analysis shall be submitted. *The analysis shall include the areas of existing natural resources (woodlands and steep slope areas) with the proposed disturbance, if any, of each. This information may be placed on the Existing Resource and Site Analysis Plan (Sheet C-102, Sheet 3 of 13) in chart form under the heading Resource Impact and Conservation Analysis.*
34. In accordance with Sections 603.G.10 and 1023, the Preliminary/Final Plan shall show "Rights-of-way and/or easements proposed to be created for all drainage purposes, utilities and other pertinent reasons." *The stormwater facilities easements shall be shown on the plans. Refer to Stormwater Management Ordinance Comment 69.*
35. In accordance with Section 603.G.13, "for all subdivision or land developments, except for single-family detached residential, the size and arrangement of buildings and parking areas, along with any length, area, ratio, number, or other physical characteristic referred to in the Smithfield Township Zoning Ordinance [Chapter 27], as amended, shall be dimensioned, or indicated on the plan. Turning movement diagrams shall be provided to demonstrate that the largest truck or emergency vehicle servicing the development can safely and conveniently navigate the proposed roads, drives, parking and loading areas." In addition, and in accordance with Section 1005, "wherever a central or public water supply system serves a development, provision shall be made for fire hydrants along streets or on the walls of nonresidential structures as approved by the Fire Company servicing the development in accordance with all prescribed State and county standards". *A Vehicle Circulation Plan for a SU-40 Single Unit Truck has been submitted showing accessibility along the perimeter of the proposed storage building. A fire truck circulation plan shall also be submitted. Plans shall be provided to the fire department for review and comment.*
36. In accordance with Section 603.G.16, The Preliminary Plan Application shall contain "A proposed stormwater management plan, prepared in accordance with the Smithfield Township Stormwater Management Ordinance [Chapter 26, Part 2], the PA DEP BMP Manual, and this Chapter all as amended including a plan of the surface drainage system of the tract to be subdivided or developed, shall be provided along with supporting calculations showing watershed areas, inlets, pipe size and material, pipe slope, headwalls, endwalls, and manholes and a statement of the design parameters utilized in arranging and sizing the system." *The Applicant is requesting a Waiver/Deferral to not be required to submit a proposed stormwater management plan, prepared in accordance with the Smithfield Township Stormwater Management Ordinance. The detention basin is located within the Borough of Delaware Water Gap and the Post Construction Stormwater Management Report and design was prepared in an accordance with the Delaware Water Gap Borough Ordinances. The proposed basin discharges to an existing storm sewer located within the Borough. The ultimate discharge point of the existing storm sewer shall be identified to ensure positive discharge and to*

*determine whether this discharge is located within the Borough or Smithfield Township.*

37. In accordance with Sections 603.G.17 and 1302.1.E, a soil erosion and sediment control plan and design basis of surface and subsurface drainage for protection against soil erosion during and after the construction period shall be provided. The plan shall include all grading and facilities proposed to control soil erosion and sedimentation during construction and proposed detention/retention facilities, in conformance with all applicable Pennsylvania Department of Environmental Protection and United States Soil Conservation Service regulations. A satisfactory letter shall be required from the Monroe County Conservation District on the soil erosion and sedimentation control plan prior to land development approval. *It appears the limit of disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit will be required. Refer to Comment b below. All correspondence with and approval from the Monroe County Conservation District and/or the Pennsylvania Department of Environmental Protection shall be provided to the Township.*

*The following comments are related to our review of the E & S Control Plan (Sheet C-106, Sheet 7 of 13), E & S Notes Plan (Sheet C-109, Sheet 10 of 13) and the E & S Notes Plans C-111 and 112, Sheets 12 and 13 of 13). The plans shall be revised accordingly.*

- a. As required by Subsection 603.G.17(a)(1), the E&S Control Plan shall show, "All present and proposed grades and facilities for storm and subsurface drainage, including the location, size and invert elevation of the drainpipes." *The E & S Control Plan shall be revised to provide this information.*
  - b. *The area of disturbance (in square feet) is noted in the legend of the E & S Control Plan (Sheet C-106) as 0.98 acres, however, the limit of disturbance as shown in plan view does not include the topsoil stockpile area, the proposed storm sewer along the front of the building, the area along the front of the building that will be necessary for the construction of the building foundation, the saw cut area and grading tie in area around the detention basin or the area necessary to install the storm sewer that leads to the detention basin. When these areas are included, it appears that the disturbed area will be at least an acre. The E& S Control Plan shall be revised to include these areas within the limit of disturbance and revise the acreage of the disturbed area in the legend.*
  - c. *The existing and proposed woods line shall be clearly shown with tree protection fence on the E & S Control Plan, and a tree protection fence detail shall be provided on the E & S Details Plan. The tree protection fence shall be of the type and placed in accordance with Sections 1103.3, 1103.5.A, and 1103.5.C of the Subdivision and Land Development Ordinance.*
  - d. *Erosion control matting shall be shown on the basin side slopes, over the steep slope graded area to the rear of the building and drive aisle, and over the proposed swale.*
38. In accordance with Section 603.G.21, the Preliminary/Final Plan shall include "a statement or certificate by the applicant/developer indicating that, to the best of his or her knowledge, the plans are in conformity with engineering, zoning, building, sanitation and other applicable Township ordinances and regulations and, if they are not so conforming, detailing the areas of nonconformance and the reasons for requesting a modification to the Township standards". *The required statement shall be provided on the Cover Sheet (Sheet C-100, Sheet 1 of 13).*

39. In accordance with Section 603.G.23, "Estimates of traffic volumes generated by the project, based upon estimates from the current edition of the institute of Transportation Trip Generation Manual. The Township Planning Commission, Engineer and Board of Supervisors shall review the impact study to analyze its adequacy in solving any traffic problems that will occur due to the subdivision or land development. The Board of Supervisors may decide that certain improvements, on- or off-site, are mandatory for plan approval and may attach these conditions to the approval." *The information shall be submitted. Also refer to Zoning Ordinance Comment 8.*
40. In accordance with Sections 603.G.25, "A preliminary plan not involving the subdivision of land shall show proposed building locations, building sizes, intended uses, preliminary elevation sketches and floor plans, location and size of parking lot, provisions for access and traffic control, locations of loading docks and provisions for landscaping and lighting of site. The plan shall be in conformance with the requirements of the Township Zoning Ordinance [Chapter 27]. With regard to use, area and bulk regulations and design standards for the district for which the proposed land development is located." *Preliminary elevations and floor plans of the proposed building shall be submitted.*
41. In accordance with Section 603.G.27, "if land to be subdivided lies partly in another municipality, the applicant/developer shall submit information concerning the location and design of streets, layout and size of lots and provision of public utilities on lands subject to this control within the adjoining municipalities. Evidence of review of this information by appropriate officials of the adjoining municipalities shall also be submitted." *Approximately half of the proposed improvements (including the stormwater management basin) are located within the Borough of Delaware Water Gap. The Applicant has also submitted the proposed development to the Borough for review. The Applicant shall provide all correspondence and approval received from the Borough to Smithfield Township.*
42. In accordance with Section 603.H.3(b)(2), the plan shall include "Profile[s] of storm drain and subsurface drains or sewer, showing type and size of pipe, grade, cradle, manhole, and inlet locations." *Profiles of the proposed storm sewer and existing storm pipe it ties into shall be provided in the plan set.*
43. In accordance with Section 1002.7.C.(1), "healthy woodlands exceeding one (1) acre shall be preserved and designated as conservation open space areas, to the maximum extent possible. Proposed site improvements shall be located, designed, and constructed to minimize the loss or degradation of woodland areas." *The existing woodlands to remain shall be designated as conservation open space.*
44. In accordance with Section 1008.3, "Where a subdivision abuts or contains an existing street, the applicant/developer shall be required to improve said street to Township standards and provide an additional ultimate right-of-way width to conform to the standards set by the Township." *It appears the cartway width ranges between 37-feet and 63-feet. The existing right-of-way and ultimate right-of-way lines and cartway widths shall be clearly shown, labeled, and dimensioned on the plan. Per Appendix B, an arterial street requires a right-of-way width of 80-feet and a cartway width of 48-feet. The Township Board of Supervisors shall decide if the Applicant will be required to improve Foxtown Hill Road (S.R. 0611) along the property frontage for compliance with this Section.*
45. In accordance with Section 1019.2, "all utilities shall be placed underground..." *A note to this effect shall be provided on the plan.*



46. In accordance with Section 1020.A, "Lighting shall be provided by fixtures with a mounting height not more than twenty (20) feet." *The Landscaping & Lighting Plan (Sheet C-105, 6 of 13) shall be revised to note the mounting height of the light fixtures to demonstrate compliance with this Section.*
47. In accordance with Section 1026.1, "outdoor collection stations shall be provided by applicant/developer for garbage and trash and for recyclable materials when individual collection is not made, and indoor storage is not provided. Stations shall be provided in all zoning districts except those devoted solely to single-family detached dwellings." *The collection of refuse, and the location of a dumpster pad, shall be addressed and/or shown on the plan with the associated details.*
48. In accordance with Section 1101.1.A.(4), "All plant material shall meet the standards of the American Standard for Nursery Stock by the American Nursery and Landscape Association (2004) or most recent edition, and any heights, spreads and/or caliper sizes for trees and shrubs indicated in this Section." *This shall be noted on the Landscaping & Lighting Plan (Sheet C-105, Sheet 6 of 13).*
49. In accordance with Section 1101.A.6., "Guaranty. All plant material shall be guaranteed for eighteen (18) months from the day of final approval of the landscape installation by the Township landscape architect or Township Engineer. Any plant material twenty-five percent (25%) or more of which is dead shall be considered dead. A tree shall be considered dead when the main leader has died or twenty-five percent (25%) of the crown is dead. Any dead plant material shall be replaced and installed according to the approved planting practices." *This shall be noted on the Landscaping & Lighting Plan (Sheet C-105, Sheet 6 of 13).*
50. In accordance with Section 1101.1.F.(2)(h) "Drainage swales shall be seeded in PennDOT Formula "D" modified seed or other naturalized seed mix." *This shall be shown and noted on the Landscaping & Lighting Plan (Sheet C-105, Sheet 6 of 13) for the proposed swales.*
51. The Evergreen & Deciduous Tree Planting Detail on the Landscaping & Lighting Plan (Sheet C-105, Sheet 6 of 13) shall be replaced with Figure 2 of Section 1101.
52. In accordance with Section 1301.6.F, "access to [stormwater management] facilities shall be provided for maintenance and operation. This access shall be twenty (20) feet wide and shall be cleared, when possible, to a minimum width of ten (10) feet. Multiple accesses are encouraged for major facilities. The applicant/developer shall provide driveways, curb depressions, sidewalk aprons and all easements and rights-of-way for access to stormwater management facilities." *A stormwater management easement for the detention basin and storm sewer shall be provided from a public right-of-way to permit Smithfield Township and Delaware Water Gap Borough access to the property for the inspection, maintenance, repair, and/or replacement of the stormwater management facilities and storm sewer should the property owner fail to do so, and at no cost to the Township or Borough. The stormwater management easement shall be shown on the plan with a note to this effect. Alternatively, a blanket easement may be provided by a similar note on the plan.*  
  
*In addition, Notes 13 and 15 on the Cover Sheet (Sheet C-100, Sheet 1 of 13) shall be revised to note Smithfield Township and Delaware Water Gap Borough.*
53. In accordance with Section 1301.7.A., "A stormwater collection system with capacity for the fifty (50) year storm shall be provided to carry run-off to a stormwater management facility. When the

- capacity of the storm drainpipe is exceeded an overflow system shall have sufficient capacity to carry the run-off difference between the one hundred (100) year storm peak flow rate and the capacity of the storm drainpipe system.” *Storm sewer calculations shall be provided in the Stormwater Management Report to confirm that the proposed storm sewer has the capacity to carry the projected flow for the fifty (50) year storm.*
54. In accordance with Section 1301.7.M, “any vegetated drainage channel requiring mowing of the vegetation shall have a maximum grade of four (4) horizontal to one (1) vertical on those areas to be mowed”. *The proposed swale to the west of the proposed building is shown having a side slope steeper than four (4) horizontal to one (1) vertical. The plans shall be revised to provide a four (4) to one (1) side slope or notes related to mowing activities shall be provided on the plan.*
55. In accordance with Sections 1301.7.Q.(2) and 1301.7.Q.(4), “The minimum diameter of all storm drainage pipe shall be eighteen (18) inches or an equivalent thereto. Where headroom is restricted, equivalent pipe arches may be used in lieu of circular pipe.” “The minimum grade of piping shall provide a minimum velocity of two and one-half (2.5) feet per second and shall have a minimum slope of one-half percent (0.5%).” *The plans do not provide the size or type of pipe, slope, length, or inverts for the proposed storm sewer. The plans shall be revised to provide this information to demonstrate compliance with these Sections.*
56. In accordance with Section 1301.7.S.(8), “Inlets shall conform to Pennsylvania Department of Transportation specifications, with the exception that the use of red brick for inlet construction is not permitted.” *This shall be noted on the Construction Details Plan.*
57. In accordance with Section 1302.1.D, “final plans for minimizing erosion and sedimentation as approved will be incorporated into the Agreement and Financial Securities requirements as required by the Township.” *The construction cost estimate shall include the required erosion and sedimentation controls.*
58. In accordance with Sections 1302.3.B and 1302.3.K, “all land within a development shall be graded to drain and dispose of surface water without ponding, except where ponding in detention basins is part of the storm water management plan for the site.” “Perimeter grades at the corners of the building shall be shown on the grading plan.” *There are two low spots at elevation 388 in front of the proposed building around existing storm manholes that will create ponding. Also, the northwestern portion of the site drains directly toward the rear of the proposed building. Spot elevations for the exterior corners of the existing buildings and the proposed pavement along the front and rear of the proposed building shall be provided on the Grading & Utility Plan (Sheet C-104, Sheet 5 of 13) to demonstrate positive surface drainage away from the proposed building and into the proposed inlets and detention basin. Also refer to Zoning Ordinance Comment 7.*
59. In accordance with Section 1302.4.A, “no excavation or fill shall be made with a face or surface slope steeper than three (3) horizontal to one (1) vertical unless a retaining wall or other soil retention method, constructed in accordance with approved standards, is provided to support the face or surface slope of said excavation or fill”. *Proposed grading is shown at a slope greater than three (3) to one (1) and the plan shall be revised.*
60. In accordance with Section 1302.4.D, “cut and fill shall not endanger adjoining property. All the outermost limits of all cuts and fills shall be a minimum of ten (10) feet from adjacent property lines. Where retaining walls greater than four (4) feet in height are proposed the face of such retaining wall shall be a minimum of ten (10) feet from all property lines. Retaining walls greater

than six (6) feet shall be designed as a tiered wall with a minimum width of four (4) feet between walls.” *The grading of the proposed swale to the west of the proposed building is shown closer than 10 feet to the property line. The plans shall be revised to demonstrate compliance with this Section.*

61. In accordance with Sections 1503 and 1504, “no plan shall receive final approval unless the streets shown have been improved to a permanently passable condition, or improved as may be required by this Chapter, and any walkways, bikeways, curbs, gutters, streetlights, fire hydrants, shade trees, landscaping, parking lots, line striping, stormwater management facilities, erosion and sedimentation control measures, water mains, sanitary sewers, storm drains and other improvements as may be required by this Chapter or the Smithfield Township Zoning Ordinance [Chapter 27] have been installed. In lieu of the completion of any improvements, the applicant/developer shall furnish to the Township financial security with such surety as the Board of Supervisors shall approve, in an amount sufficient to cover the costs of any improvements which may be required. Such financial security shall provide for and secure to the public the completion of any improvements which may be required on or before the date fixed in the formal action of approval or accompanying agreement for completion of improvements. The amount of financial security to be posted for completion of the required improvements shall be equal to one hundred ten percent (110%) of the cost of completion estimated as of ninety (90) days following the date of scheduled for completion by the applicant/developer. Annually, the Township may adjust the amount of the financial security 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 ninetieth (90th) day after either the original date scheduled of completion or a rescheduled date of completion. Subsequent to said adjustment, the Township may require the applicant/developer to post additional security in order to assure that the financial security equals said one hundred ten percent (110%). Any additional security shall be posted by the applicant/developer in accordance with this Section.” *A construction cost estimate for the improvements proposed within Smithfield Township shall be provided for review and financial security shall be posted prior to plan recordation.*
62. In accordance with Section 1506.2, “the following is a list of items required for as-built drawings. Please note that additional items may be required on a case-by-case basis. Water and sewer as-built drawings should be coordinated with the respective authorities. The as-built plans shall consist of the original plans with design information struck with as-built information placed next to design information. If revised topography is needed due to a significant change in grade (+/-one-half (0.5) feet), the revised topography should be shown in a matter to distinguish it from design topography. *A note shall be placed on the plan requiring an as-built plan in accordance with this Section 1506.2.*
63. In accordance with Section 1601.3, “all requests for a modification shall be in writing and shall accompany and be a part of the application for development. The request shall state in full the grounds and facts of unreasonableness or hardship on which the request is based, the provision or provisions of the ordinance involved and the minimum modification necessary.” *All waiver requests shall be submitted in writing with justification and listed on the plan with dates of approval.*

#### **STORMWATER MANAGEMENT ORDINANCE COMMENTS**

64. As noted in the Stormwater Management Report, the Stormwater Management design was performed in accordance with the Delaware Water Gap Borough Subdivision and Land Development Ordinance and Stormwater Management Ordinance No.326. *The Applicant is*

*requesting a Waiver/Deferral to not be required to submit a proposed stormwater management plan, prepared in accordance with the Smithfield Township Stormwater Management Ordinance. The detention basin is located within the Borough of Delaware Water Gap and the Post Construction Stormwater Management Report and design was prepared in an accordance with the Delaware Water Gap Borough Ordinances. The proposed basin discharges to an existing storm sewer located within the Borough. The ultimate discharge point of the existing storm sewer shall be identified to ensure positive discharge and to determine whether this discharge is located within the Borough or Smithfield Township.*

65. In accordance with Section 221.11, “roof drains shall not be connected to streets, sanitary or storm sewers or roadside ditches in order to promote overland flow and infiltration/ percolation of stormwater where advantageous to do so. Considering potential pollutant loading, roof drain runoff in most cases will not require pretreatment.” *The proposed roof drains shall be shown on the plan in accordance with this Section or a waiver will be required. We would be in support of a Waiver from this Section since the roof drains are collected and discharged into the detention basin.*
66. In accordance with Sections 221.12, 223.E, 224.A.2.(d), and 227.2, all stormwater runoff, other than roof top runoff discussed in subsection (11) above, shall be treated for water quality prior to discharge to surface or groundwater. *The plans shall be revised to provide permanent water quality inlet filters at the proposed inlets immediately upslope of the proposed basin.*
67. In accordance with Sections 228.1 and 233.A.4, “any earth disturbance must be conducted in conformance with Chapter 102”, and the drainage plan submission shall include “an erosion and sediment control plan, including all reviews and letters of adequacy obtained by the Conservation District”. *It appears the limit of disturbance is greater than one (1) acre and a Pennsylvania Department of Environmental Protection NPDES Permit will be required. Upon receipt, the permit shall be provided to the Township. All correspondence with and approval from the Monroe County Conservation District and/or the Pennsylvania Department of Environmental Protection shall be provided to the Township. Refer to Subdivision and Land Development Ordinance Comment 37.*
68. In accordance with Section 233.B.19, the drainage plan shall include “a twenty (20) foot wide access easement to and around all stormwater management facilities that would provide ingress to and egress from a public right-of-way”. *A stormwater management easement for the detention basin and storm sewer shall be provided from a public right-of-way to permit Smithfield Township and Delaware Water Gap Borough access to the property for the inspection, maintenance, repair, and/or replacement of the stormwater management facilities and storm sewer should the property owner fail to do so, and at no cost to the Township or Borough. The stormwater management easement shall be shown on the plan with a note to this effect. Alternatively, a blanket easement may be provided by a similar note on the plan.*

*In addition, Notes 13 and 15 on the Cover Sheet (Sheet C-100, Sheet 1 of 13) shall be revised to note Smithfield Township and Delaware Water Gap Borough.*

69. In accordance with Section 233.B.22, the drainage plan shall include “a statement, signed by the applicant, acknowledging that any revision to the approved drainage plan must be approved by Smithfield Township and Delaware Water Gap Borough and that an erosion and sediment control plan must be submitted to the Conservation District for a determination of adequacy.” *The required statement shall be provided on the Cover Sheet (Sheet C-100, Sheet 1 of 13).*

70. In accordance with Section 233.B.23, the drainage plan shall include “the following signature block for the design professional.

I, (design professional), on this date (date of signature), hereby certify that the drainage plan meets all design standards and criteria of the [name of applicable Act 167 Plan] and Smithfield Township Stormwater Management Ordinance.”

*The required signature block shall be provided on the Cover Sheet (Sheet C.C.01).*

71. In accordance with Section 281.3, “The applicant shall make all requests for waivers in writing and include such requests as a part of the application for development. The applicant shall state in full the grounds and facts, of unreasonableness or hardship on which the request is based, the provision or provisions of this Part involved and the minimum waiver necessary. The applicant shall state how the requested waiver and applicant’s proposal shall result in an equal or better means of complying with the intent of this Part as stated in Part 2A.” *All waiver requests shall be made in writing with justification and listed on the plan with dates of approval.*

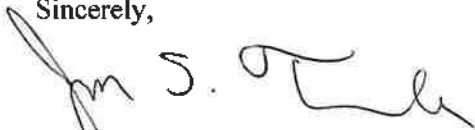
The above comments represent a thorough and comprehensive review of the information submitted, with the intent of giving the Township the best direction possible. However, due to the number and nature of the comments in this review, the receipt of new information may generate new comments.

We recommend the above comments be addressed to the satisfaction of Smithfield Township, prior to approval of the Preliminary/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, and 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,



Jon S. Tresslar, P.E., P.L.S.  
Township Engineer

JST/meh/tms

cc: Ronold J. Karasek, Esquire – Smithfield Township Solicitor  
Ken Wolf, Zoning Officer – Smithfield Township  
Julia Heilakka, Officer. Manager – Smithfield Township  
Daniel VonBussenius, Owner’s Agent, IRE LLC– Applicant  
Donald A Haas, RLA, Bogia Engineering Inc.  
Lori Kerrigan, Head Resource Conservationist, Monroe County Conservation District  
Melissa E. Hutchison, P.E., LVL Engineering Group



Minimum Control Measure #5  
Post Construction Stormwater Management in New  
Development and Redevelopment

**Minimum Control Measure #5**

Smithfield Township

**Construction Site Stormwater Runoff Control**

1632168

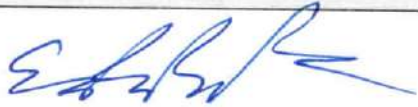


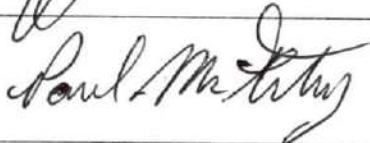

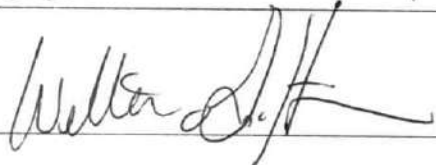
June 30, 2022

Reporting Period	Project	NPDES Permit No.	BMP Type	Township Approval Status	Construction Status
	Dollar General	PAG2004515001 Approved	Basin	Approved	Constructed
	Life Storage	N/A	Detention Beds and Swale	Approved	Constructed
Year 2 2019-2020	Vigon International	PAD450092 Approved	Infiltration Basin	Approved with Conditions	Under Construction
Year 2 2019-2020	Stroudsburg Pocono Airpark, LLC. - Airstrip Road Expansion	PAD450109 Approved	Rain Garden	Approved with Conditions	Under Construction
Years 2, 3, 4 2019-2022	Verizon Wireless - Magick Cauldron	N/A	Infiltration Trench	Approved with Conditions	Pending
Years 3, 4 2020-2022	Smithfield Gateway, Phase 1A-1	PAD450013 Approved	Underground Infiltration Basins (4) Infiltration Basins (2) Rain Gardens (2)	Pending	Under Construction
Year 4 2021-2022	Eagle Valley Self Storage Units	PAD450157 Under Review	Infiltration Basins (2) Rain Gardens (2)	Approved with Conditions	Pending
Year 4 2021-2022	Franklin Hill Manor Residential Land Development	PAD450153 Under Review	Infiltration Basins (4)	Pending	Pending
Year 4 2021-2022	Black Buffalo Land Development	PAD450109 Under Review	Infiltration Basins (2)	Pending	Pending
Year 4 2021-2022	Moove In Self Storage	N/A	Rain Garden	Pending	Pending

Minimum Control Measure #6  
Pollution Prevention/Good Housekeeping

**MS-4 NPDES PERMITTING YEAR 2 PUBLIC WORKS DEPARTMENT  
 OPERATIONS & MAINTENANCE TRAINING SESSION  
 SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
 PROJECT NO. 1632168**

DATE: 6-1-2022 TIME: 7:30 AM

PRINTED NAME		SIGNATURE
1.	Edward McCormack	
2.	Michael Prystash	
3.	CHRIS KIMOLE	
4.	PAUL MCFEELEY	
5.	Norb Ericksen	
6.	William Griffin	
7.		
8.		
9.		
10.		

## SMITHFIELD TOWNSHIP PUBLIC WORKS DEPARTMENT

### OPERATIONS & MAINTENANCE TRAINING SESSION

To be reviewed by all Public Works Employees

#### Introduction:

Smithfield 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 the list of prohibited discharges in Chapter 18, Section 106.
- 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. Smithfield Township has approximately 3734 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 a 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.

**MS-4 NPDES PERMITTING YEAR 2 PUBLIC WORKS DEPARTMENT  
OPERATIONS & MAINTENANCE TRAINING SESSION  
SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA  
PROJECT NO. 1632168**

**DATE:** \_\_\_\_\_ **TIME:** \_\_\_\_\_

PRINTED NAME		SIGNATURE
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

PRINTED NAME		SIGNATURE
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		



# ILLICIT DISCHARGE DETECTION & ELIMINATION PLAN

Smithfield Township, Monroe County, Pennsylvania



Prepared by:



May 2022

## **Table of Contents**

**Introduction**

**Exempt Discharges**

**Identification of Priority Areas**

**Procedures for Identifying Illicit Discharges / Documentation**

**Procedures for Eliminating Illicit Discharges**

**Attachment I – Water Quality Contacts**

**Attachment II – Illicit Discharge Tracking Sheet**

## **Introduction**

Smithfield Township is required under its MS4 (Municipal Separate Storm Sewer System) program to develop an Illicit Discharge Detection and Elimination (IDDE) Plan. The purpose of the plan is to satisfy the requirements of Minimum Control Measure #3 under the MS4 program. The IDDE plan outlines the procedures to detect and remove illicit discharges to the MS4.

The Smithfield Township MS4 consists of the conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, and storm drains or storm sewer system.

Illicit Discharges include any discharge to the MS4 this is prohibited under local, state, or federal statutes, ordinances, codes, or regulations. This includes all non-stormwater discharges except discharges pursuant to an NPDES (National Pollutant Discharge Elimination System) permit and discharges that are exempt.

## **Exempt Discharges**

Exempt, as defined in US EPA (EPA 833-F-00-007), discharges include the following:

- Water line flushing
- Diverted stream flows
- Uncontaminated ground water infiltration
- Discharges from potable water sources
- Air conditioning condensation
- Springs
- Footing drains
- Flows from riparian habitats and wetlands
- Street wash water.
- Landscape irrigation
- Rising ground waters
- Uncontaminated pumped ground water
- Foundation drains
- Irrigation water
- Water from crawl space pumps
- Lawn watering, individual residential car washing
- De-chlorinated swimming pool discharges

(The illicit discharge detection and elimination program does not need to address the above categories of non-stormwater discharges or flows unless the Township identifies them as significant contributors of pollutants to its MS4)

## **Identification of Priority Areas**

Priority areas are generally selected based on the likelihood of illicit connections, which typically are found in areas with older sanitary sewer lines (historic industrial areas and older residential development).

Illicit discharge detection will be performed in the priority areas, as well as other areas of the Township, as part of the MS4 outfall inspections and during normal daily activities of the Township's public works staff.

### **Procedures for Identifying Illicit Discharges / Documentation**

The Township's public works staff will identify illicit discharges primarily visually through direct observation of illegal discharges, connections or suspect discharges to the stormwater system. Illicit discharge identification during the MS4 outfall inspections will be through visual observations as well as a combination of field and laboratory water quality testing. Illicit discharges can be documented on the form included as Attachment II. Indications of an illicit discharge may include unnatural color, odor, turbidity, surface sheen, floating material and field or laboratory analysis.

Illicit discharge identification may include, but is not limited to, inlet inspections, investigation of contributing areas when suspect pollutants are identified in a stormwater outfall, interviews of residents or businesses near an identified illicit discharge, dye or smoke tests and video inspections.

All incidents and follow up investigations shall be fully documented and kept on file at the Township offices. An Illicit Discharge Tracking Sheet is enclosed as Attachment II.

### **Procedures for Eliminating Illicit Discharges**

When an illicit discharge is identified the appropriate Township staff will work with the discharger to find a solution to the problem and notify them to remove / correct the illicit connection. Although not mandatory or required, this may include offering limited technical assistance for restoration activities.

If deemed appropriate, particularly when voluntary compliance is not timely, the discharger will be notified of an illicit discharge violation and legal action will be initiated through the appropriate local, state, and federal agencies.

**Attachment I**  
**Water Quality Contacts**



## Illicit Discharges Water Quality Hotlines – MS4 Program

Residents are often the first to notice pollution problems in their communities. These ‘illicit’ discharges can originate from various sources and contribute to degradation of local water ways. The following are situations which should be reported and who to contact:

<b>Violation</b>	<b>Who to Contact</b>
Dumping of petroleum products, chemicals, hazard materials to the ground surface or stormwater facilities	Pennsylvania Department of Environmental Protection: (484) 250 5900
Spills of petroleum products, chemicals or hazard materials	Pennsylvania Department of Environmental Protection: (484) 250 5900
Sediment leaving a construction site	Monroe County Conservation District: (570) 629 3060
Pollutants in Waterway	Pennsylvania Department of Environmental Protection: (484) 250 5900
Broken or leaking water mains	Smithfield Township: (570) 223 5082
Sewage effluent discharges	Smithfield Township: (570) 223 5082
Fish kills	Pennsylvania Fish Commission: (717) 626 0228 - or - Pennsylvania Department of Environmental Protection: (484) 250 5900

**Attachment II**

**Illicit Discharge Tracking Sheet**

## Illicit Discharge Tracking Sheet

<b>Incident ID:</b>				
<b>Responder Information</b>				
Information taken by:		Incident date:		
Time:		Precipitation (inches) in past 24-48 hrs:		
<b>Reporter Information</b>				
Incident time:		Incident date:		
Contact information ( <i>optional</i> ):				
<b>Incident Location</b> ( <i>complete one or more below</i> )				
Latitude and longitude:				
Stream address or outfall #:				
Closest street address:				
Nearby landmark:				
<b>Primary Location Description</b>		<b>Secondary Location Description:</b>		
<input type="checkbox"/> Stream corridor <i>(In or adjacent to stream)</i>	<input type="checkbox"/> Outfall	<input type="checkbox"/> In-stream flow	<input type="checkbox"/> Along banks	
<input type="checkbox"/> Upland area <i>(Land not adjacent to stream)</i>	<input type="checkbox"/> Near storm drain	<input type="checkbox"/> Near other water source (storm water pond, wetland, etc.):		
Narrative description of location:				
<b>Upland Problem Indicator Description</b>				
<input type="checkbox"/> Dumping	<input type="checkbox"/> Oil/solvents/chemicals	<input type="checkbox"/> Sewage		
<input type="checkbox"/> Wash water, suds, etc.	<input type="checkbox"/> Other: _____			
<b>Stream Corridor Problem Indicator Description</b>				
Odor	<input type="checkbox"/> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum (gas)
	<input type="checkbox"/> Sulfide (rotten eggs); natural gas	<input type="checkbox"/> Other: Describe in "Narrative" section		

Appearance	<input type="checkbox"/> "Normal"	<input type="checkbox"/> Oil sheen	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Suds
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Floatables	<input type="checkbox"/> None:	<input type="checkbox"/> Sewage (toilet paper, etc)	<input type="checkbox"/> Algae	<input type="checkbox"/> Dead fish
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Narrative description of problem indicators:				
Suspected Violator (name, personal or vehicle description, license plate #, etc.):				
<b>Investigation Notes</b>				
Initial investigation date:		Investigators:		
<input type="checkbox"/> No investigation made		Reason:		
<input type="checkbox"/> Referred to different department/agency:		Department/Agency:		
<input type="checkbox"/> Investigated: No action necessary				
<input type="checkbox"/> Investigated: Requires action		Description of actions:		
Hours between call and investigation:		Hours to close incident:		
Date case closed:				
Notes:				

## Illicit Discharge Tracking Sheet

<b>Incident ID:</b>			
<b>Responder Information</b>			
Information taken by:		Incident date:	
Time:		Precipitation (inches) in past 24-48 hrs:	
<b>Reporter Information</b>			
Incident time:		Incident date:	
Contact information ( <i>optional</i> ):			
<b>Incident Location</b> ( <i>complete one or more below</i> )			
Latitude and longitude:			
Stream address or outfall #:			
Closest street address:			
Nearby landmark:			
<b>Primary Location Description</b>		<b>Secondary Location Description:</b>	
<input type="checkbox"/> Stream corridor <i>(In or adjacent to stream)</i>		<input type="checkbox"/> Outfall	<input type="checkbox"/> In-stream flow
<input type="checkbox"/> Upland area <i>(Land not adjacent to stream)</i>		<input type="checkbox"/> Near storm drain	<input type="checkbox"/> Along banks
		<input type="checkbox"/> Near other water source (storm water pond, wetland, etc.):	
Narrative description of location:			
<b>Upland Problem Indicator Description</b>			
<input type="checkbox"/> Dumping		<input type="checkbox"/> Oil/solvents/chemicals	<input type="checkbox"/> Sewage
<input type="checkbox"/> Wash water, suds, etc.		<input type="checkbox"/> Other: _____	
<b>Stream Corridor Problem Indicator Description</b>			
Odor	<input type="checkbox"/> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rancid/Sour
	<input type="checkbox"/> Sulfide (rotten eggs); natural gas	<input type="checkbox"/> Other: Describe in "Narrative" section	



Appearance	<input type="checkbox"/> "Normal"	<input type="checkbox"/> Oil sheen	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Suds
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Floatables	<input type="checkbox"/> None:	<input type="checkbox"/> Sewage (toilet paper, etc)	<input type="checkbox"/> Algae	<input type="checkbox"/> Dead fish
	<input type="checkbox"/> Other: Describe in "Narrative" section			
Narrative description of problem indicators:				
Suspected Violator (name, personal or vehicle description, license plate #, etc.):				
<b>Investigation Notes</b>				
Initial investigation date:		Investigators:		
<input type="checkbox"/> No investigation made		Reason:		
<input type="checkbox"/> Referred to different department/agency:		Department/Agency:		
<input type="checkbox"/> Investigated: No action necessary				
<input type="checkbox"/> Investigated: Requires action		Description of actions:		
Hours between call and investigation:		Hours to close incident:		
Date case closed:				
Notes:				



**LEGEND**

- MUNICIPAL BOUNDARY
- TOWNSHIP LAND

**PARCEL IDENTIFICATION KEY**

- ① 16732300038468 (PARK)
- ② 16732200267185 (OPEN SPACE, MUNICIPAL BUILDING & PUBLIC WORKS FACILITY)
- ③ 16732200667676 (PARK)
- ④ 16732200872444 (PARK)
- ⑤ 16732200785073 (PARK)
- ⑥ 16731201054333 (OPEN SPACE)
- ⑦ 16731201160044 (PARK)
- ⑧ 16731201058008 (OPEN SPACE)
- ⑨ 16731201066453 (OPEN SPACE)
- ⑩ 16731203247262 (OPEN SPACE)
- ⑪ 16731105186756 (OPEN SPACE)
- ⑫ 16731100860821 (OPEN SPACE)
- ⑬ 16731100647971 (OPEN SPACE)
- ⑭ 16731100946145 (OPEN SPACE)
- ⑮ 16732100023283 (PARK)
- ⑯ 16731100919889 (PARK)
- ⑰ 16732100017244 (PARK)
- ⑱ 04732100007138 (PARK)
- ⑲ 04732100102470 (PARK)
- ⑳ 16732100115348 (PARK)
- ㉑ 16732100127231 (PARK)



S:\2016\1632168\Draw\Exhibits\Maping Plan.dwg | Tabname: Layout1 | Sep 17, 2020 - 10:14am | crolson

Written dimensions shall have priority over scaled dimensions. All dimensions, elevations, spot heights, and conditions, shall be verified by the Contractor prior to construction, and the Owner and Boucher & James, Inc. shall be notified of any discrepancies with the information shown on drawings.  
 Only those plans incorporating the raised or red ink professional seal shall be considered official and relied upon. All ideas, designs and arrangements presented herein were developed for use on, and in connection with, the specified project being prepared for the Owner. These plans may not be reproduced or altered without the expressed written permission of Boucher & James, Inc.  
 Information shown on this plan represents professional services expressing ideas and designs developed, owned and copyrighted by Boucher & James, Inc. Reproduction of this plan without written approval of Boucher & James, Inc. is not permitted. Unauthorized reproduction of a copy of this plan for any purpose will be considered a violation of the copyright laws and a theft of corporate assets. Unauthorized alterations of the plan will be considered a violation of the professional code of ethics. Any violation will be prosecuted to the fullest extent of current statutes.

REVISIONS :			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT :	<b>SMITHFIELD TOWNSHIP MS-4</b> SMITHFIELD TOWNSHIP MONROE COUNTY, PENNSYLVANIA
APPLICANT :	<b>SMITHFIELD TOWNSHIP</b> 1155 RED FOX ROAD EAST STROUDSBURG, PA 18301

JOB NO.:	1632168
TITLE :	<b>FACILITIES MAP</b>
DRAWN BY:	CMR
CHECKED BY:	MEP
SCALE:	1" = 1500'
PLAN STATUS:	FINAL

**Boucher & James, Inc.**  
 CONSULTING ENGINEERS  
 DOYLESTOWN • STROUDSBURG • LEHIGH VALLEY  
 REGIONAL OFFICE: 2756 RIMROCK DRIVE, STROUDSBURG, PA 18360  
 VOICE: (570) 629-0300 FAX: (570) 629-0306  
[www.bjengineers.com](http://www.bjengineers.com)




SHEET	1 OF 1
DATE:	APRIL 29, 2020



S:\2016\1632168\Drawg\Final Dwg\SKP.dwg | Tabname :Layout1 | Apr 14, 2021 - 9:30am | tjohnson



**LEGEND**


-  EXISTING BOUNDARY/PROPERTY
-  EXISTING STREAM
-  EXISTING ADJOINER BOUNDARY

**GENERAL NOTES:**

1. EXISTING FEATURES TAKEN FROM AERIAL PHOTOGRAPHY AND ARE APPROXIMATE.
2. BOUNDARY INFORMATION TAKEN FROM MONROE COUNTY GIS AND IS APPROXIMATE.

PROJECT :	<b>SMITHFIELD TOWNSHIP MS-4</b> SMITHFIELD TOWNSHIP MONROE COUNTY, PA
APPLICANT :	<b>SMITHFIELD TOWNSHIP</b> 1155 RED FOX ROAD EAST STROUDSBURG , PA 18301

JOB NO.:	1632168
DRAWN BY:	TMJ
CHECKED BY:	MEP
SCALE:	1" = 200'
PLAN STATUS:	FINAL

TITLE :	<b>EXISTING PUBLIC WORKS YARD PLAN</b>	
	<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	
PROJECT NAME :	<b>SMITHFIELD TOWNSHIP MS-4</b>	

SHEET	1 OF 1
DATE:	JUNE 30, 2021

Permit Appendix B  
Pollutant Control Measures for Water  
Impaired by Pathogens



**Pollutant Control Measures - Pathogens**

Smithfield Township

**Source Identification**

1632168

June 30, 2022

<u>Pathogen Cause</u>	<u>Pathogen Source</u>	<u>Description</u>	<u>Pathogen Source Identification / Pollution Control Measures</u>
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.
	Wastewater Treatment Plants	Municipal wastewater treatment plants that treat sewage and discharge to a neighboring stream.	The Delaware Water Gap Wastewater Treatment Plant sits adjacent to the Brodhead Creek. The treatment plant has current permitting from the Pennsylvania Department of Environmental Protection.
	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.
	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 regulates agricultural operations.
	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.



Animal Waste	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.
	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 barnyard animals on residential property.
	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 exasperated 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.

Permit Appendix E  
Pollutant Reduction Plan Status

<b>Sediment Loading Reduction By Proposed BMPs Summary</b>		
<b>Project Name</b>	<b>Construction Status</b>	<b>Total Reduction</b>
Eagle Valley Self Storage	Pending Construction	4,509 lbs/year
Black Buffalo Land Development	Pending Construction	11,185 lbs/year
Vigon International	Under Construction	8,695 lbs/year
Smithfield Gateway, Phase 1A-1	Under Construction	7,519 lbs/year
Verizon Wireless Magick Cauldron	Pending Construction	220 lbs/year
<b>Total Proposed Sediment Load Reduction</b>		<b>32,128 lbs/year</b>
<b>Required Sediment Load Reduction</b>		<b>75,428 lbs/year</b>

Sediment Loading Reduction By Proposed BMPs Eagle Valley Land Development Project No. 2032208R					
Project Status	BMP Type	Drainage Area Loading to BMP		BMP Efficiency	Total Reduction
Pending Construction	Detention Basin (Basin 1)	Developed Impervious Area Loading (lbs/year)	1,839 lbs/ac/year * 0.27 ac = 496.53 lbs/year	10% Removal	50 lbs/year
		Developed Pervious Area Loading (lbs/year)	264.96 lbs/ac/year * 0.46 ac = 121.88 lbs/year	10% Removal	12 lbs/year
	Infiltration Basin (Basin 2)	Developed Impervious Area Loading (lbs/year)	1,839 lbs/ac/year * 2.45 ac = 4,505.55 lbs/year	95% Removal	4,280 lbs/year
		Developed Pervious Area Loading (lbs/year)	264.96 lbs/ac/year * 0.64 ac = 169.57 lbs/year	95% Removal	161 lbs/year
	Landscaping	167 proposed trees	$((34 * .01) * 90.08 \text{ lbs/year}) = 30.63 \text{ lbs/year}$	20% Removal	6 lbs/year
			$264.96 \text{ lbs/ac/year} * 34 * .01 = 90.08 \text{ lbs/year}$		
	Sediment Removal at Storm Sewer Inlets	Potential Sedment Reduction based upon removal during storm sewer maintenance			
<b>Total Sediment Reduction</b>					<b>4,509 lbs/year</b>

Sediment Loading Reduction By Proposed BMPs Black Buffalo Land Development Project No. 2132237R					
Project Status	BMP Type	Drainage Area Loading to BMP		BMP Efficiency	Total Reduction
Pending Construction	Infiltration Basin (North Basin)	Developed Impervious Area Loading (lbs/year)	1,839 lbs/ac/year * 5.32 ac = 9,783.48 lbs/year	95% Removal	9,294 lbs/year
		Developed Pervious Area Loading (lbs/year)	264.96 lbs/ac/year * 1.12 ac = 296.76 lbs/year	95% Removal	282 lbs/year
	Detention Basin (South Basin)	Developed Impervious Area Loading (lbs/year)	1,839 lbs/ac/year * 1.26 ac = 2,317.14 lbs/year	10% Removal	232 lbs/year
		Developed Pervious Area Loading (lbs/year)	264.96 lbs/ac/year * 2.69 ac = 712.74 lbs/year	10% Removal	71 lbs/year
	Landscaping	167 proposed trees	((222*.01) * 588.21 lbs/year) = 1,305.83 lbs/year	20% Removal	1,306 lbs/year
			264.96 lbs/ac/year * 222 *.01 = 588.21 lbs/year		
	Sediment Removal at Storm Sewer Inlets	Potential Sedment Reduction based upon removal during storm sewer maintenance			
<b>Total Sediment Reduction</b>					<b>11,185 lbs/year</b>



Sediment Loading Reduction By Proposed BMPs Vigon, International, Inc. Land Development Project No. 1932195R					
Project Status	BMP Type	Drainage Area Loading to BMP		BMP Efficiency	Total Reduction
Under Construction	Infiltration Basin	Developed Impervious Area Loading (lbs/year)	$1,839 \text{ lbs/ac/year} * 7.98 \text{ ac} = 14,675.22 \text{ lbs/year}$	55% Removal	8,071 lbs/year
		Developed Pervious Area Loading (lbs/year)	$264.96 \text{ lbs/ac/year} * 3.16 \text{ ac} = 771.28 \text{ lbs/year}$	55% Removal	424 lbs/year
	Landscaping	145 proposed trees	$((150 * .01) * 397.44 \text{ lbs/year}) = 596.16 \text{ lbs/year}$	20% Removal	199 lbs/year
			$264.96 \text{ lbs/ac/year} * 150 * .01 = 397.44 \text{ lbs/year}$		
	Sediment Removal at Storm Sewer Inlets	Potential Sediment Reduction based upon removal during storm sewer maintenance			
<b>Total Sediment Reduction</b>					<b>8,695 lbs/year</b>

Sediment Loading Reduction By Proposed BMPs Smithfield Gateway Phase 1A-1 Project No. 1432150R					
Project Status	BMP Type	Drainage Area Loading to BMP		BMP Efficiency	Total Reduction
Under Construction	Rain Garden	Developed Impervious Area Loading (lbs/year)	$1,839 \text{ lbs/ac/year} * 0.73 \text{ ac} = 1,346.02 \text{ lbs/year}$	55% Removal	740 lbs/year
		Developed Pervious Area Loading (lbs/year)	$264.96 \text{ lbs/ac/year} * 0.47 \text{ ac} = 126.15 \text{ lbs/year}$	55% Removal	69 lbs/year
	Infiltration Basin	Developed Impervious Area Loading (lbs/year)	$1,839 \text{ lbs/ac/year} * 3.18 \text{ ac} = 5,860.74 \text{ lbs/year}$	95% Removal	5,568 lbs/year
		Developed Pervious Area Loading (lbs/year)	$264.96 \text{ lbs/ac/year} * 3.07 \text{ ac} = 813.30 \text{ lbs/year}$	95% Removal	773 lbs/year
	Landscaping	264 proposed trees	$((264 * .01) * 699.49 \text{ lbs/year}) = 1,846.66 \text{ lbs/year}$	20% Removal	369 lbs/year
			$264.96 \text{ lbs/ac/year} * 264 * .01 = 699.49 \text{ lbs/year}$		
	Sediment Removal at Storm Sewer Inlets	Potential Sediment Reduction based upon removal during storm sewer maintenance			
<b>Total Sediment Reduction</b>					<b>7,519 lbs/year</b>

Sediment Loading Reduction By Proposed BMPs					
Verizon Wireless Magick Cauldron					
Project No. 2032210R					
Project Status	BMP Type	Drainage Area Loading to BMP		BMP Efficiency	Total Reduction
Pending Construction	Stone Trench	Developed Impervious Area Loading (lbs/year)	1,839 lbs/ac/year * 0.11 ac = 202.29 lbs/year	95% Removal	192 lbs/year
		Developed Pervious Area Loading (lbs/year)	264.96 lbs/ac/year * 0.11 ac = 29.15 lbs/year	95% Removal	28 lbs/year
<b>Total Sediment Reduction</b>					<b>220 lbs/year</b>