MS-4 STATUS REPORT

SMITHFIELD TOWNSHIP MONROE COUNTY, PA

JULY 1, 2019 – JUNE 30, 2020

Project No. 1632168

Prepared For:

Smithfield Township 1155 Red Fox Road East Stroudsburg, 18301

Prepared By:



Boucher & James, Inc.

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD JULY 1, 2019 TO JUNE 30, 2020

GENERAL INFORMATION								
Permittee Name:	Smithfield	Township		NP	DES Permit No.:	PAI1322	66	
Mailing Address:	1155 Red I	Fox Road		Effe	ective Date:	09/01/20	18	
City, State, Zip:	East Strou	dsburg, PA 18301		Ехр	oiration Date:	08/31/20	23	
MS4 Contact Person:	Jacob A. Pr	ride		Rer	newal Due Date:	09/01/20	23	
Title:	Assistant S Supervisors	ecretary, Board of		Mur	nicipality:	Smithfiel	d	
Phone:	(570) 223-	5082		Cou	ınty:	Monroe		
Email:	jacob@smi	thfieldtownship.net	:					
Co-Permittees (if applica	ble):							
Appendix(ces) that permittee is subject to (select all that apply): ☐ Appendix A ☒ Appendix B ☐ Appendix C ☐ Appendix D ☒ Appendix E ☐ Appendix F						-		
WATER QUALITY INFORMATION								
Are there any discharges to waters within the Chesapeake Bay Watershed?								
Identify all surface waters (see instructions).	s that receive	stormwater discha	arges from	the p	permittee's MS4 and	d provide t	he requeste	d information
Receiving Water I	Name	Ch. 93 Class.	Impaire	d?	Cause(s)		TMDL?	WLA?
Brodhead Cree	ek	TSF	Yes		Pathogens	S	No	No
Sambo Creel	K	CWF	Yes		Siltation		No	No
Delaware Rive	er	WWF	No		N/A		No	No

GENERAL MINIMUM CONTROL	. MEASURE (MCM) INFO	RMATION			
Have you completed all MCM activities required by the permit	for this reporting period?	⊠ Yes □ No			
List the current entity responsible for implementing each MCM 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 O	UTREACH ON STORM	WATER IMPACTS			
BMP #1: Develop, implement and maintain a written Public	c Education and Outreach F	Program.			
For new permittees only, has the written PEOP been deve	eloped and implemented withi	n the first year of perr	nit coverage?		
☐ Yes ☐ No					
2. Date of latest annual review of PEOP: June 30, 2020 Were updates made? ⊠ Yes □ No					
What were the plans and goals for public education and outreach for the reporting period?					
 Develop a "Municipal Stormwater" tab/link on the Smithfield Township website for easy distribution of and access to stormwater related material. The website will provide Municipal Stormwater related material for residents, homeowners, and business owners within the Township. Distribute stormwater related material through the new "Municipal Stormwater" tab/link on the Township website, and through Facebook, the monthly newsletter, pamphlets in the Municipal Building lobby, and through text/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:					
Begin to distribute stormwater related material through the new "Municipal Stormwater" tab/link on the Township website, and to continue to distribute material through Facebook, the monthly newsletter, text/email alerts, and pamphlets in the Municipal Building lobby.					
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, 2020 Were updates made? Yes No					

BMP #3: Annually publish at least one educational item on your Stormwater Management Program.	
For new permittees only, were stormwater educational and informational items produced and published in print and/or on Internet within the first year of permit coverage?	the
⊠ Yes □ No	
2. Date of latest annual review of educational materials: June 30, 2020 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? 1. "Home owner's 9 easy steps to improve water quality" The website will be updated to provide a Municipal Stormwater tab for easier access to MS-4 related material.	
 Describe any other method(s) used during the reporting period to provide information on stormwater to the public: Social Media and pamphlets. 	
 Identify specific plans for the publication of stormwater materials for the upcoming year: Include tab on Smithfield Township website designated to Municipal Stormwater, and distribute material via social media, pamphlets in Municipal Building lobby, the monthly newsletter and through text/email alerts. 	
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).	
Social Media Posts: 1. Stormwater Management - Public Education and Outreach Pamphlet 2. When it Rains, It, Drains Pamphlet 3. Recycling Coloring Pages 4. Covid 19 Glove Disposal 5. Pack in Pack out 6. Importance of Recycling 7. Homeowners Guide: "Why you should care about stormwater management" 8. Community Designed Stormwater Management	
At Township Lobby: 1. Homeowners Guide to Stormwater BMP Maintenance pamphlet 2. Stormwater Management pamphlet 3. When it Rains, It Drains pamphlet	
MCM #1 Comments:	
PEOP will continue to be implemented during Year 3 of the permit period.	

	MCM #2 - PUBLIC INVOLVEMENT/PARTICIPATION					
ВІ	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: 6/30/2020	Were	e updates made? 🛮 🖂 Y	′es □ No		
	MP #2: Advertise to the public and solicit publicable) and TMDL Plans (if applicable), include					
1.	Was an MS4-related ordinance, SOP, PRP or T	MDL Plan developed du	ring the reporting period?	☐ Yes ⊠ No		
2.	If Yes, describe how you advertised the draft do feedback:	ocument(s) and how you	u provided opportunities fo	or public review, input and		
3.	If an ordinance, SOP or plan was developed or a	amended during the rep	orting period, provide the	following information:		
	Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP		
	MP #3: Regularly solicit public involvement and stribution and outreach methods.	l participation from the	e target audience groups	s using available		
1.	At least one public meeting or other MS4 event reparticipation and feedback from target audience					
	☐ Yes ☒ No	If Yes, Date	e of Meeting or Event:			
2.	 Report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed and conservation organizations; and similar instances of participation or coordination with organizations in the community. 					
	The Township is a municipal partner with the E	Brodhead Watershed A	ssociation.			
3.	3. Report activities in which members of the public assisted or participated in the meetings and in the implementation of the SWMP, including education activities or efforts such as cleanups, monitoring, storm drain stenciling, or others.					
Township Clean Up Postponed to for September 16-20, 2020 due to Covid-19 Pick up the Poconos Day - September 28, 2019 Leaf Pick Up - October 13 - November 22, 2019 Marshall's Creek Road Clean Up - December 8, 2019						
MCM #2 Comments:						
PIPP will continue to be implemented during Year 3 of the permit period.						

3. Date of last update or revision to map(s):

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? 2. Date of latest annual review of IDD&E program: June 30, 2020 Were updates made? 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? X Yes X No If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report. If No, date by which permittee expects map(s) to be completed: 2. Date of last update or revision to map(s): 06/30/17 Total No. of Outfalls in MS4: Total No. of Outfalls Mapped: 4. Total No. of Observation Points: 14 Total No. of Observation Points Mapped: 14 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 publiclyowned components. 1. Have you completed a map(s) that includes all components of BMP #3? ✓ Yes ☐ No If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report. If No, date by which permittee expects map(s) to be completed: 2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? Yes No

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.

06/30/17

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

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	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.					
Но	How many unique outfalls (and if applicable observation points) were screened during the reporting period? 16					
Ind	icate the percentage of all o	utfalls screened in the past five years.		100%		
3.	Indicate the percent of out	falls screened during the reporting perio	d that revealed dry weath	er flows: 37.5%		
4.	Did any dry weather flows	reveal color, turbidity, sheen, odor, float	ing 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. Those outfalls revealing color, turbidity, sheen, odor, or floating or submerged solids will be monitored and testing will be performed as needed.					
6.	Do you use the MS4 Outfa	II Field Screening Report form (3800-FM	M-BCW0521) provided in	the permit?		
	⊠ Yes □ No					
	If No, attach a copy of you	r screening report form.				
		er Management Ordinance or SOP to ition of non-stormwater discharges t				
1.	Do you have an ordinan discharges? ⊠ Yes □	ce (municipal) or SOP or other med No	chanism (non-municipal)	that prohibits non-stormwater		
	If Yes, indicate the date of	the ordinance or SOP: 12/8/15				
		nce or SOP consistent with DEP's 2023 authorized non-stormwater discharges		agement Ordinance (3800-PM-		
	If Yes to #2 and the ordina	nce or SOP has not been submitted to	DEP previously, attach th	e ordinance or SOP.		
3.	Were there any violations	of the ordinance or SOP during the re	eporting period? 🔲 Ye	es 🛭 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 distribute	d?				
2.						
	☐ 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 was developed for implementation.
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)?
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:

th	MP #7: Develop and implement requirements for construction site operators to control waste at construction sites at may cause adverse impacts to water quality. The permittee shall provide education on these requirements to onstruction site operators.
Sp	pecify the method(s) by which you are educating construction site operators on controlling waste at construction sites:
	MP #8: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and formation 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
	Specify the number of inquiries and complaints received during the reporting period:
M	CM #4 Comments:
	ne current stormwater management ordinance will be reviewed and updated for consistency with the 2022 model dinance by 2022.
n	MCM #5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
	MP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management om 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? \square Yes \square 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.
ne de	MP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in the development and redevelopment. Measures should also be included to encourage retrofitting LID into existing evelopment. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID actices.
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? \square Yes \boxtimes No
	If Yes, indicate the date of the ordinance or SOP:
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.
de	MP #3: Ensure adequate O&M of all post-construction stormwater management BMPs that have been installed at velopment or redevelopment projects that disturb greater than or equal to one acre, including projects less than one re 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

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3. If I	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):				
2.	Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?				
	☐ Yes ☐ No N/A				

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).

	Ti and the state of the state o
NPDES Permit No.	PAG2004515001
sponsible	•All catch basins, culverts, and outlet structures shall be inspected and cleaned at least two times per year and immediately after runoff events. •While vegetation is being established, pruning and weeding will be performed as necessary. Weeds are to be removed thereafter by hand. •Detritus may also need to be removed approximately twice per year. •Inspection shall be made at least twice yearly for sediment build-up, erosion, vegetative conditions, etc. •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 conracted in order to correct basin
Date Installed	11/2016
Longitude	75°08′13″
Latitude	41°02'17"
	Dollar General
DA (ac)	0.90
BMP DA Entity Re for ac)	Dollar General - Basin 2
BMP No.	- a

	N/A		
dewatering/infiltration issues.	•All basin structures expected to received and/or trap debris and sediment should be inspected for clogging and excessive debris and sediment areas as well as after every storm greater than 1 inch. • Structures include basin bottoms, trash racks, outlets structures, riprap or gabion structures, and inlets. • Sediment removal should be completely dry. Sediment 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. • Mowing and/or trimming of vegetation should be performed as necessary to sustain the system, but all detritus		
	04/2016		
	75°08'31"		
	41°02'02"		
	Life Storage		
	14.1		
	Life Storage- Detention Beds 1,2, 3		
	ю		

	N/A
should be removed from the basin. • Vegetated areas should be inspected annually for erosion. • Vegetated areas should be inspected annually for unwanted growth of exotic/invasive species. •Vegetative cover should be maintained at a minimum of 95 percent. If vegetative cover has been reduced by 10%, vegetation should be reestablished.	•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. • Structures include basin bottoms, trash racks, outlets structures, riprap or gabion structures, and inlets. • Sediment removal should be conducted when the basin is completely dry. Sediment should be conducted when the
	04/2016
	75°08'31"
	41°02'02"
	Life Storage
	0.46
	Life Storage- Detention Bed A
	4

	N/A
basin is completely dry. Sediment should be disposed of properly and once sediment is removed, disturbed areas need to be immediately stabilized and revegetated. • Mowing and/or trimming of vegetation should be performed as necessary to sustain the system, but all detritus should be removed from the basin. • Vegetated areas should be inspected annually for erosion. • Vegetated areas should be inspected annually for unwanted growth of exotic/invasive species. •Vegetative cover should be maintained at a minimum of 95 percent. If vegetative cover has been reduced by 10%, vegetation should be reestablished.	Maintenance activities to be done anually and within 48 hours after every major storm event (>1 inch rain fall depth): Inspect and correct erosion problems, damage to vegetation, and sediment and debris
	04/2016
	75°08'31"
	41°02'02"
	Life Storage
	0.45
	Life Storage- Swale 1
	ഹ

accumulation (address when > 3 inches at any spot or covering vegetation) • Inspect vegetation on side slopes for encotion and formation of fills or guilles, correct as needed. • Mow and frim vegetation to ensure safety, aesthetics, proper swale operation, or to suppress eweeds and invasive vegetation; or to suppress swaleds and invasive vegetation; or to suppress swaleds and invasive vegetation; or to suppress swaleds and invasive vegetation; or to suppress swale peration; or to suppress weads and invasive vegetation; or to suppress veaeds and invasive vegetation; or to suppress veaeds and invasive vegetation; or to suppress veaeds and invasive vegetation; or to severate or to invasive vegetation; or inspect for uniformity in cross-section and order to represe very encourage. • Inspect for uniformity in cross-section and order to sins of erosion or blockage, occurred as needed. • Inspect swale inlet (cut outs, pipes, etc.) and outlet for signs of erosion or blockage, occurred as needed. • Plant alternative grass species in the event of unsuccessful event of unsuccessful research and expendishment establishment.
accumulation (address when > 3 inches at any spot of ocvering vegetation) • Inspect vegetation on side slopes for recision and formation of rills or guilles, correct as needed • Mow and trim vegetation to ensure safety, aesthetics, proper swale operation, or to suppres swaeds and invasive vegetation, dispose of cuttings in a local composting facility. mow only when swale is dry to avoid rutting • Inspect for uniformity in cross-section and longitudinal slope, correct as needed. Inspect swale interest species ecities to be done as needed: • Inspect swale interest species ecities to be done as needed: • Paint attentative grass species in the event of unsuccessful establishment • Research bare areas; install appropriate
accumulation (address at spot of covering vegetation) • Inspect vegetation side slopes for erosi and formation of rilis aguilles, correct as needed Mow and time vegetation to ensure safety, aesthetics, proper swale operation of the support of titlings in coral compositing at all inspect for uniform coras-section and invasive weder interpretation and outlet for signs of and outlet for signs erosion or blockage correct as needed. • Inspect swale interpretation or blockage correct as needed. • Inspect swale interpretation of the species in the event unsuccessful establishment establishment establishment establishment.
accumulating when > 3 ir spot or cowy vegetation spot or cowy vegetation + Inspect vegetation + Inspect vegetation safety, assigned to the support of the su

erosion control measures when native soil is exposed or erosion channels are forming • Rototill and replant swale if draw down time is more than 48 hours • Inspect and correct check dams when signs of altered water flow (channelization, obstructions, erosion, etc.) are identified • Water during dry periods, fertilize, and apply pesticide only when absolutely	Winter conditions also necessitate additional maintenance concerns, which include the following: Inspect swale immediately after the spring melt, remove residuals (e.g. sand) and replace damagd vegetation without distubing remaining vegetation. If roadside or parking lot runoff is directed to the swale, mulching and/or soil aeration/manipulation

1116														
	may be required in the	spring to restore soil	sture and moisture	capacity and to reduce	the impacts of deicing	agents.	 Use nontoxic organic 	deicing agents, applied	either as blended,	magneisum chloride-	based liquid products or	as petreated salt.	Use salt-tolerant	vegetation in swales.
	may	sprii	stru	cap	the	agel	•Us	deic	eith	mag	bas	as b	-	٧e

PAG2004506002				
•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. •All sediment removed from the inlet pumps shall be disposed of in a manner that will not cause erosion or sediment pollution. •Any permanent seeded areas that become eroded or disturbed shall have the topsoil replaced, the grass resown and mulch applied, or sod may be installed. •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.				
01/2099				
75°08'13"			# 0	# 5 0
41°02′12″	224 (24 (0)	ii 0	0	0
Medical Road Professional Building				
0.77 0.30 1.03 19.37				
Detention Bed D Detention Bed D Deternation Bed C Regraded Depression				
ω Γ ∞ σ	10	11	12	13

ins ins be	P #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall pect all qualifying development or redevelopment projects during the construction phase to ensure proper tallation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were in installed properly).
1.	During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?
	☐ Yes ☐ No ☐ Not Applicable (no qualifying projects during reporting period)
2.	Has a tracking system been established and maintained to record results of inspections?
	☐ Yes ☐ No
BM	P #6: Develop a written procedure that describes how the permittee shall address all required components of this M.
pla	we you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in ns for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) elementation of an inspection program to ensure that BMPs are properly installed? Yes No
MC	M #5 Comments:
	e Ordinance has been reviewed for conformity with 2022 Model Ordinance. The township ordinance shall be updated cordingly by 2022.
	MCM #6 - POLLUTION PREVENTION / GOOD HOUSEKEEPING
gei	IP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for nerating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the mittee.
1.	Have you identified all facilities and activities owned and operated by the permitee that have the potential to generate stormwater runoff into the MS4? ☑ Yes ☐ No 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? 6/30/2020
3.	When was it last updated? 6/30/2020
dis	IP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the charge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or nveyance 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
pre	IP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of eventing or reducing the discharge of pollutants from operations to the regulated small MS4. All relevant employees d contractors shall receive training.
1.	Have you developed an employee training program? ⊠ Yes □ No
2.	Date of last review or update to training program: 6/30/2020 Date of latest training: 9/28/2020

3.	Training topics covered:				
	Illicit Discharges and Possible Source clippings, Over-use of Deicing Agents,				
4.	Name(s) of training presenter(s):				
	N/A				
5.	Names of training attendees:				
	See attached.				
MC	EM #6 Comments:				
Em	nployee training will continue during the cussed.	Year 3 repo	orting period and a	n operation an	d maintenance program will be
	POLLU	TANT CON	ITROL MEASUR	ES (PCMs)	
	licate the status of implementing PCMs in a not applicable.	Appendices A	, B and/or C by com	pleting the table	below. Skip this section if PCMs
Tas	sk		Date Completed	Attached	Anticipated Completion Date
Sto	orm Sewershed Map(s)		06/30/17		
Sou	urce Inventory				09/30/2021
Inv	estigation of Suspected Sources				09/30/2022
Orc	dinance/SOP for Controlling Animal Waste	es			09/30/2022
PC	M Comments:				
	POLLUTANT R	EDUCTION	PLANS (PRPs)	AND TMDL P	LANS
1.	Complete this section if the development latest NOI or application or was required				
	Type of Plan	Submission Date	n DEP Approval Date	Surface V	Naters Addressed by Plan
	Chesapeake Bay PRP (Appendix D)				
\boxtimes	Impaired Waters PRP (Appendix E)	06/20/18	08/21/18	Brodhead	d Creek and Sambo Creek
	TMDL Plan (Appendix F)				
	Combined Chesapeake Bay / Impaired Waters PRP				
	Combined PRP / TMDL Plan				
	Joint Plan (if checked, list the name of th	e MS4 group	or names of all entit	ties participating	in the joint plan below)
	Joint Plan Participants:				

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

2.	Identify the pollutants of concern and pol	lutant load reduction require	ements under the permit (se	e instructions).
	Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
	Chesapeake Bay PRP (Appendix D)			
\boxtimes	Impaired Waters PRP (Appendix E)	75,428		
	TMDL Plan (Appendix F)			
	Combined Chesapeake Bay / Impaired Waters PRP			
	Combined PRP / TMDL Plan			
3.	Date Final Report Demonstrating Achieved Have any modifications to the plan(s) occurring If Yes to #4, was the updated plan(s) subset of Yes to #4, did you comply with the public If Yes to #4, describe the plan modification	curred since DEP approval? mitted to DEP?	☐ Yes ⊠ No	
5.	Summary of progress achieved during re A partial reduction of the required sedir management practices.		red through the construction	on of proposed best
6.	Anticipated activities for next reporting per Investigation of potential sites for best recompleted.		uired to reduce the sedim	ent load will be
PRI	P/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).

Date Installed or Implemented Area? 102? Load Reduction (lbs/yr)

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).

	Satis- factory?						
	Date of Latest Inspect -ion						
	Annual Sediment Load Reduction (Ibs/yr)						
	Date Installed						
	Longitude	# 0		6 1	*	OHE SHE O	•
	Latitude	O 145 H	. 0	0 10 18	# 0	# G	
	Units						
./2	BMP Extent						
	lmp.						
200	DA (ac)						
	BMP Name						
	BMP No.						

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	Sough r C. Pride
Name of Responsible Official	Signature
(570) 223-5082	9/8/2000
Telephone No.	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, 2020

Communication Channels

- 1. The Smithfield Township website shall include a tab designated for Municipal Stormwater. The website will provide Municipal Stormwater related material for residents, homeowners, and business owners within the Township.
- 2. Smithfield Township shall provide copies of educational material related to Municipal Stormwater within their Municipal Building lobby. These documents may include brochures, pamphlets, fact sheets, and/or recreational guides not only related to municipal stormwater, but also related to golfing, hiking, climbing, fishing, camping, etc.
- 3. Smithfield Township will distribute municipal stormwater related material in the Municipal Building lobby, through social media outlets, via the Township newsletter and website, and by text/email alerts.
- 4. A list of distributed public educational materials will be provided with each yearly report.

Proof of the Municipal Stormwater documents distributed via the Township's website and newsletter, within the Municipal Building's lobby, through social media, and by text/email alerts will be provided with each annual MS-4 report. The above items shall be completed prior to June 30th of each year.

Target Audience

The target audience includes all residents, homeowners, and business owners that have access to the Municipal Building lobby, the Township website and newsletter, social media, and email/text alerts.

Information Sources and Distribution

- 1. Smithfield Township Website www.smithfieldtownship.com
- 2. Smithfield Township Municipal Building lobby 1155 Red Fox Road, East Stroudsburg, PA 18301
- 3. Smithfield Township Facebook

s:\2016\1632168\documents\reports\2020.06_ms-4 reporting.year 2\mcm.#1_public education and outreach\public.education.and.outreach.yr.2.2020.docx

Minimum Control Measure #1		Smithfield Township
Public Education and Outreach on Stormwater Impacts		1632168
		June 30, 2020
Document	Distribution Date	Location
Homeowners Guide to Stormwater BMP Maintenance pamphlet.		Lobby & Website
Stormwater Management pamphlet.	3/4/2020	Lobby & Facebook
When it Rains, It Drains pamphlet.	3/6/2020	Lobby & Facebook
Recycling Coloring Pages	3/30/2020	Facebook
Covid 19 Glove Disposal	4/8/2020	Facebook
Pack in Pack out	6/12/2020	Facebook
Import of Recycling	6/17/2020	Facebook
Homeowners Guide: Why you should care about stormwater management	6/26/2020	Facebook
Community Designed Stormwater Management	6/30/2020	Facebook

STORMWATER MANAGEMENT

Public Education and Outreach on Stormwater Impacts

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 small alteration in daily activities can make a difference. North Wales Borough continues a large impact on stormwater. From car washing to laundry detergent to dog walking, Public education and outreach is a key component of stormwater management. 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?



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, In addition, anything that is dumped into these drains, such as used motor oil, paint, or excess pesticides, goes directly 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

the Pennsylvania Department of Environmental Protection out check more information www.depweb.state.pa.us For

ă



Smithfield Township PA March 4 🚱

What do you know about stom water and pollution? Share with us how you help keep our Pocono water clean!



P) Like

Comment Comment

A Share

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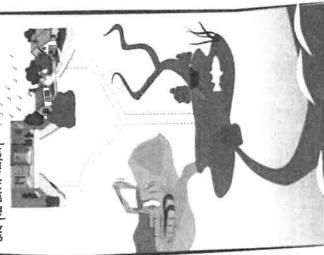
Wille a comment











what is Storm Water?

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

why is Storm Water "Good Rain Gone Wrong?"

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

Where To Go To Confinue the Information flow

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

Smithfield Township PA March 6 🚱

When it rains, it drains!

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White a comment d Like

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Smithfield Township PA

Session Smithfield Township PA

Other

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March 30 - 3







Write a comment...

Smithfield Township PA







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Middle Smithfield To... Government Organization

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Monroe County Municipal Waste Management Authority

Now is the perfect time to teach your kids about recycling! Here are some activity pages to do on a rainy day like today 🧼 More to come!

#activitybook #kidsac... See More

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Smithfield Township PA March 28 · 3



























Smithfield Township PA



Session Smithfield Township PA Other

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Message





Write a comment...







Smithfield Township PA April 8 - 3





LEHIGHVALLEYLIVE.COM

Wearing gloves to protect against coronavirus? Dispose of them properly, and they're not recyclable.





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A Share



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Smithfield Township PA April 8 · 3

Going live with our work session shortly!

SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS WORK 55510N - APRIL R, 2020 - 4;00 P.M.

CALL MEETING TO ORDER























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Smithfield Township PA



Session Smithfield Township PA Other

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Smithfield Township PA June 12 at 11:49 AM - 🛇

If you're planning to visit one of our beautiful parks this weekend, please leave it the way you found it... or better! Bring a bag to fill with trash as you walk, hike, or swim! Nature will keep singing 🎵



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1 Comment 1 Share ⇔ Share

Most Relevant *



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Liked

Message





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Happy Memorial Day Weekend us Thank... **OO** 9

113 Views : a year ago

Smithfield Township PA June 17 at 10:30 AM · 😵

The supervisors of Smithfield Township would like to share an important project for the community's future: a Materials Recovery Facility in Smithfield! We took the time to put together a little explanation of the importance as well as the process of establishing a MRF. Take a look! https://bit.ly/3hASIj7

The importance of

and how it can help our Smithfield Township Community

Upcoming Events

See All



TUE JUN 23 AND 12 MORE

Board of Supervisors Meeting Smithfield Township PA Other

☆ Interested



WED, JUN 24

Board of Supervisors ZOOM Work Session

Smithfield Township PA

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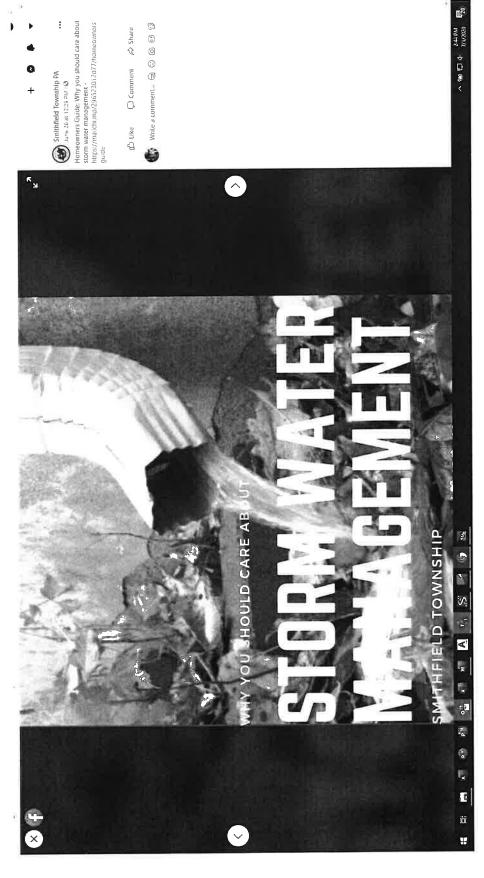


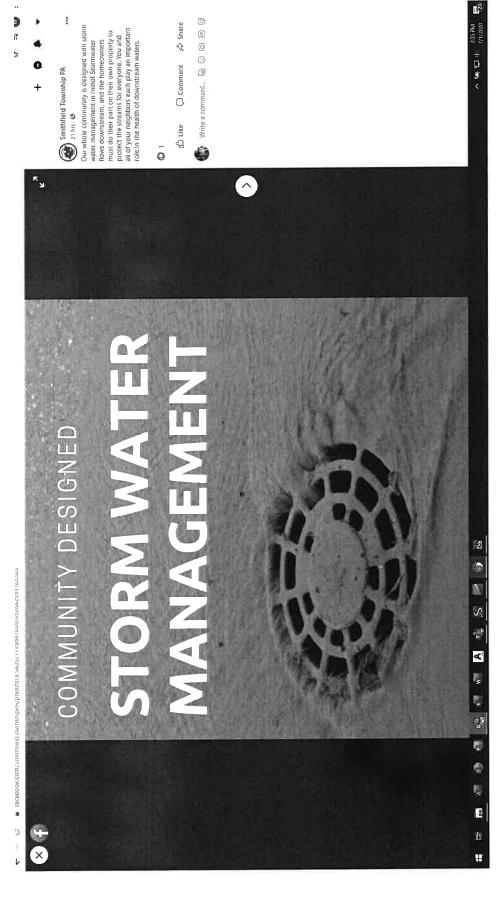
















Minimum Control Measure #2
Public Involvement/Participation

Minimum Control Measure #2 Public Involvement and Participation

Smithfield Township 1632168 June 30, 2020

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

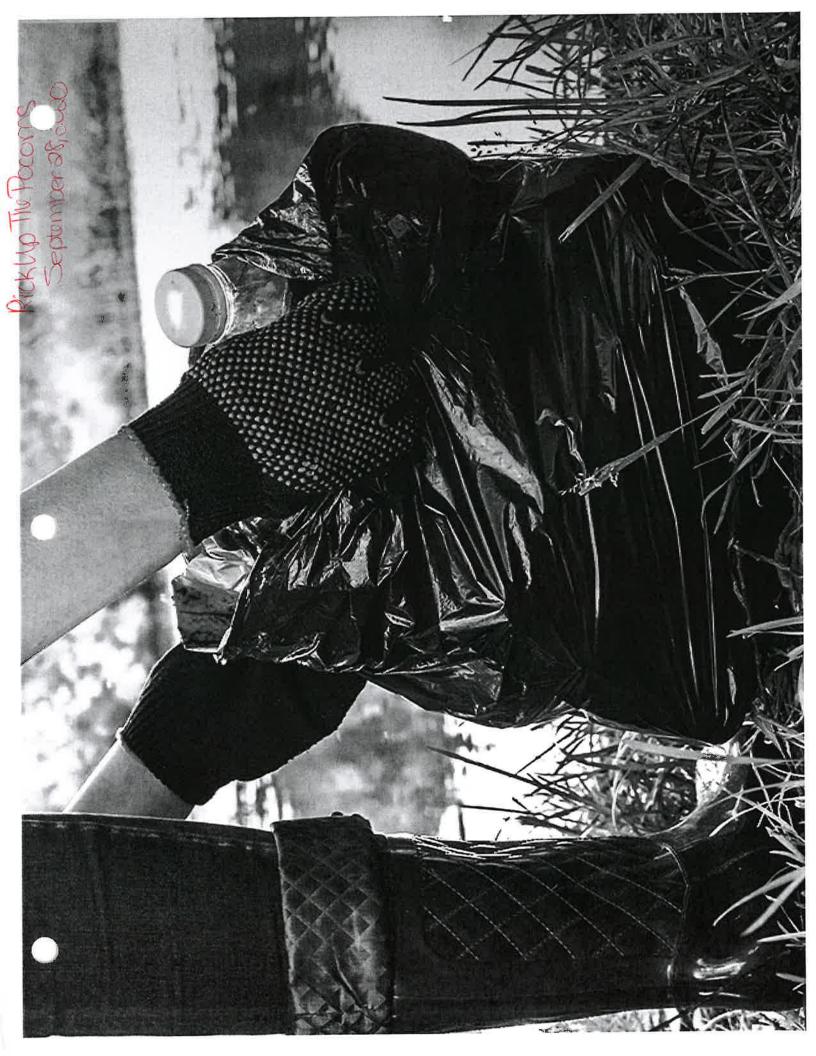
The Township Planning Commission meets on the 2nd Thursday of the month and the Board of Supervisors meets on the 2nd and 4th Tuesdays of the month. All meetings provide an opportunity for the public to comment on Township business, including Municipal Stormwater.

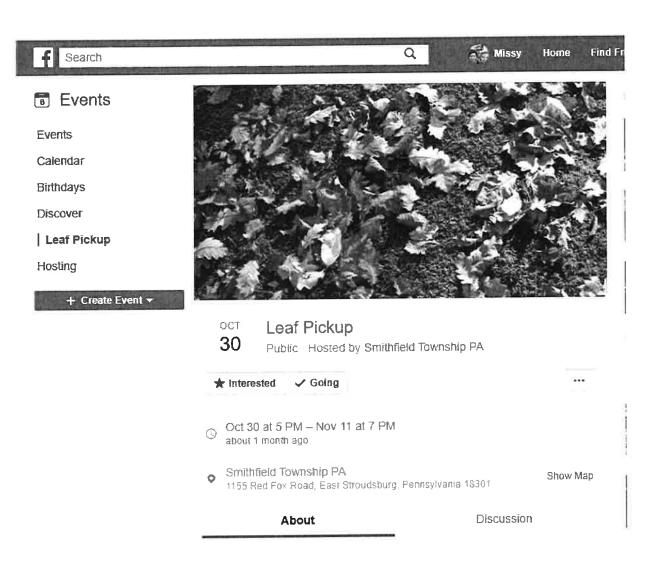
Proof of the Municipal Stormwater discussions during an advertised meeting will be provided.

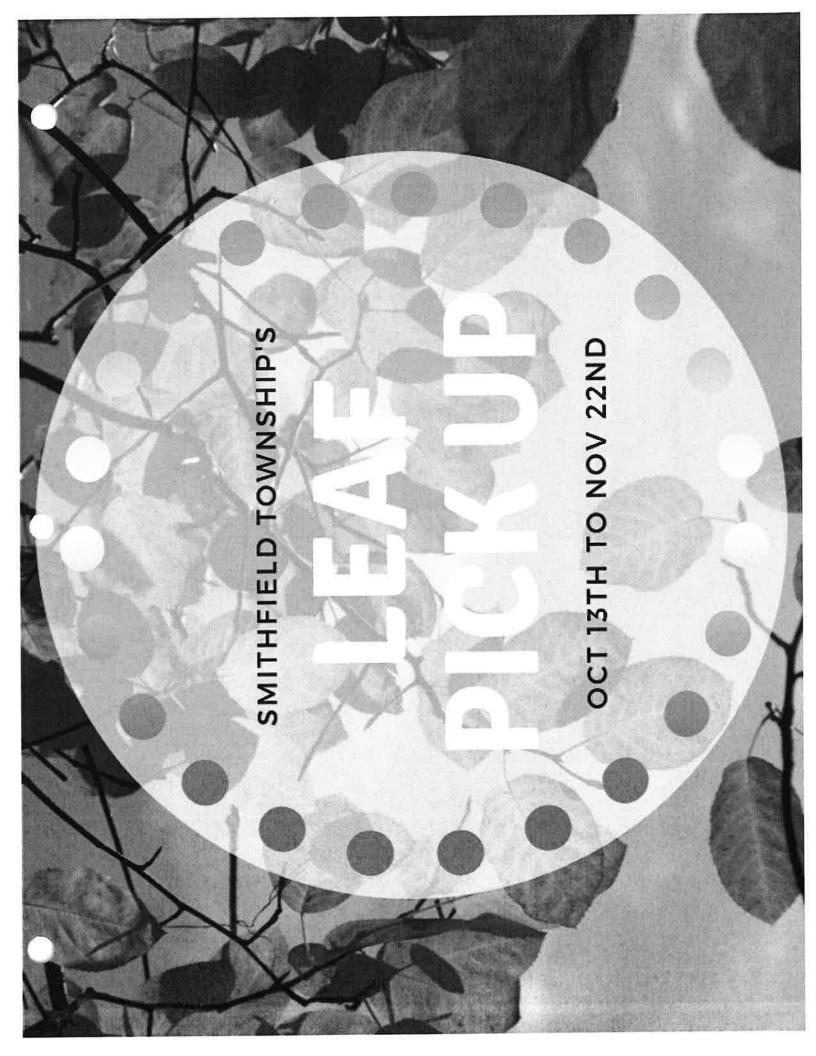
- 2. Smithfield Township will continue its affiliation with the Brodhead Watershed Association.
- 3. Smithfield Township will illicit public participation throughout the year via social media, the Township website and newsletter, pamphlets and flyers placed in the Municipal Building lobby, and text/email 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.

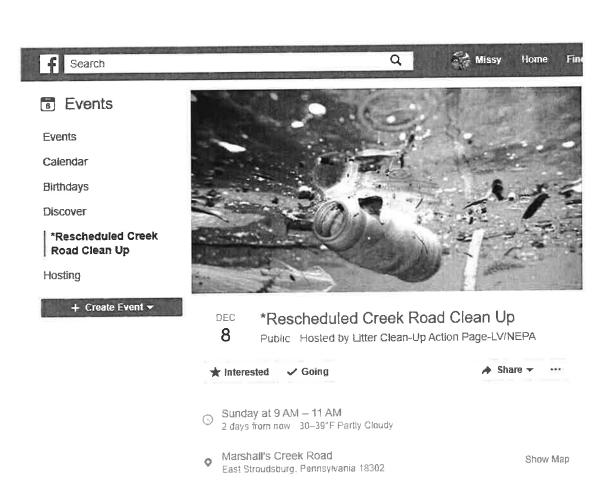
S:\2016\1632168\Documents\Reports\2020.06_MS-4 Reporting.Year 2\MCM.#2_Public Participation.Involvement\Public.Involvement Participation.Yr.2.2020.docx

Minimum Control Measure #2		Smithfield Township
Public Involvement and Participation		1632168
		June 30, 2020
Document	Distribution Date	Location
Township Clean Up Postpone to for September 16-20, 2020 due to Covid-19	4/20/20	Facebook, Website, Newsletter
Pick up the Poconos Day for September 28, 2019		Website
Leaf Pick Up for October 30 - November 11, 2019		Facebook
Marshall's Creek Road Clean Up - December 8, 2019		Facebook









About

Discussion



SMITHFIELD CLEAN-UP POSTPONEMENT

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(/media/k2/items/cache/fe4bbe81600a40063594e597e00eb05b_XL.jpg)

SMITHFIELD CLEAN UP Postponed to Sept. 16 - 20 from 8 am - 5 pm Due to the Covid-19, Smithfield Township Clean-up for May is being postponed to September 16 -20 from 8 am - 5 pm

More in this category:

GOVERNOR DISASTER EMERGENCY NOTICE (/township-news/item/343-governor-disaster-emergency-notice)

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Smithfield Township PA



Session Smithfield Township PA Other

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Smithfield Township PA

April 20 - 3

Due to the Covid-19, Smithfield Township Clean-up for May is being postponed to September 16 -20 from 8 am - 5 pm. Thank you for your understanding and patience.

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SMITHFIELD CLEAN UP

Postponed to Sept. 16 -20 from 8 am - 5 pm

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4 Comments 2 Shares

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Melissa Prugar

rom:

Smithfield Township <corissa@smithfieldtownship.com>

Sent:

Friday, May 22, 2020 8:44 AM

To:

Melissa Prugar

Subject:

Smithfield Township Newsletter



Smithfield Township Newsletter

Happy Memorial Day weekend! We're starting off with rain but ending with sunshine. If you are thinking about vising one our our parks, they are open with some limitations, be aware of the distancing and please keep our communities clean! Our office will be closed Monday but for those who need to visit the township building there is direction below along with municipal extensions and updates. Thank you and enjoy the weekend.



Township Clean Up Dates Moved

The annual Township Cleanup has been moved to September 16-20. However, the hours will still be from 8 a.m. to 5 p.m. The fees and additional procedures will be announced shortly.

Smithfield Real Estate Property Tax Dates Moved

Pursuant to the Board of
Supervisors' Resolution 439, the
discount period for real property
taxes was extended to August 31st.
In addition, penalties are waived if
your bill is paid in full by December
31st. The County has also extended
their deadlines to the same dates.



Access





To The Park: Parks are currently closed to group play (not direct relatives/people in your household) due to the COVID-19 pandemic. Social distancing is highly encouraged for your health and safety as well as other residents.

To The Township Building: The Smithfield Township Municipal Center is closed to walk-in traffic. It is asked that you call us at 570.223.5082 to see if the services you require are presently available and if the employee responsible for it can assist you that day. You may schedule a time to come in and you'll be greeted at the door. It is required that you wear a mask — unless there is a health reason that prevents you from doing so. This is for your health and safety as well as that of fellow residents and our employees.

If you do decide to walk up to the building, you will notice a new feature added to our door. This is a Ring — read: video doorbell — that will alert Township employees to your presence. We'll then be able to communicate with you

through the doorbell to determine the best course of action for your needs.

To Smithfield's Public, Online Meetings: Smithfield Township meetings are now consistently streamed for transparency and your access. There are now several options to participate and they include: Facebook, YouTube, Zoom, and Zoom via phone. Public participation is always encouraged at meetings. For more information, check the events pages and our Facebook page.

STAY IN THE LOOP

LIVE WORK SESSIONS

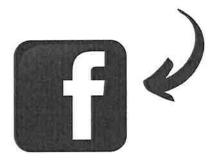
SMITHFIELD TOWNSHIP

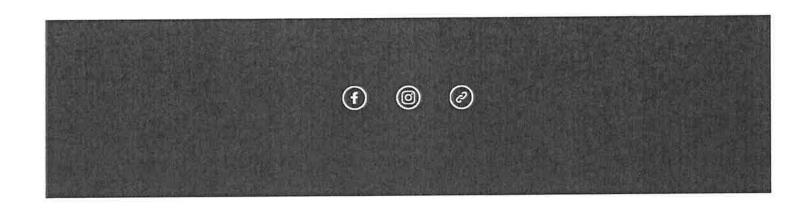
EVERY WEDNESDAY AT 4PM



FACEBOOK

CLICK HERE FOR EVENTS





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<a href="mailto:smith]Smithslight:Smithsl



Minimum Control Measure #3 Illicit Discharge Detection and Elimination

Minimum Control Measure #3 Illicit Discharge Detection and Elimination

Smithfield Township 1632168 June 30, 2020

- 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. 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 are observed, further observation shall be conducted. If the occurrence of color, odor, floating solids, scum, sheen, or substances continue, a sample of the water shall be collected for analysis.
 - c. The source of the color, odor, floating solids, scum, sheen, or substances shall be investigated and identified. Steps to eliminate the illicit discharge must be taken.
 - d. All observations, testing results, investigations, and elimination shall be documented.
- 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.
- 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. These discharges shall also be investigated and documented.
- 5. Identification of existing sewage disposal systems that may attribute to any observed illicit discharge shall be documented.
- 6. Review Stormwater Management Ordinance and update as required to include the prohibition of non-stormwater discharges within the regulated MS-4.
- 7. Prepare and distribute materials educating residents, property owners, business owners, and employees of illicit discharges.
- 8. All reports and occurrences of illicit discharges must be documented with response and action taken, if any.

			Smithfield Township Dry Weather Outfall Screenings	Weather Outfall Scre	enings					
				Accessible from		Year 2 Observation	ation		Year 4 Observation	ation
Observation Point/Outfall	Description of Discharge	Location	Near Physical Address	Public Lands or Right of-Way	Date	Dry Weather Flow Present	Dry Weather Flow Contain Color, Odor, Solids, Scum, Sheen	Date	Dry Weather Flow Present	Dry Weather Flow Contain Color, Odor, Solids, Scum, Sheen
001	Brodhead Creek discharging to Delaware River	behind soccer fields at Minisink Park		Yes	April 20, 2020	×				
002	Sambo Creek	behind Dollar General in Eagle Valley Mall	221 Skyline Drive	Yes	April 20, 2020	×	×			
002	check for storm sewer, swale, stream	at intersection of Chariton Drive and Ginger Lane	154 Chariton Drive	Yes	April 20, 2020	×				
900	check for storm sewer, swale, stream	at intersection of Chariton Drive and Ginger Lane	94 Chariton Drive	Yes	April 20, 2020	×				
200	check for storm sewer, swale, stream	along Stone Gate Drive	22 Stone Gate Road	Yes	April 20, 2020	×				
800	Sambo Creek crosses Brushy Mountain Road and/or Kings Pond Road	near intersection of Brush Mountain Road and Kings Pond Road	134 Kings Pond Road	Yes	April 20, 2020	×				
600	check for storm sewer, swale, stream	along Fawn Road between Winding Brook Road and Fawn Road	2 Winding Brook Road	Yes	May 1, 2020					
010	Sambo Creek crosses Fawn Road	Fawn Road	527 Fawn Road	Yes	May 1, 2020					
011	Marshalls Creek crosses Milford Road, US Business 209	Milford Road, US Business 209	2585 Milford Road	Yes	May 1, 2020					
012	Marshalls Creek crosses Resica Falls Road	Resica Falls Road	410 Resica Falls Road	Yes	May 1, 2020					
013	check for storm sewer, swale, stream	Seven Bridges Road, north of Country Bridge Road	5927 Seven Bridges Road	Yes	May 1, 2020					
014	check for storm sewer, swale, stream	River Road	185 River Road	Yes	May 1, 2020					
015	Marshalls Creek crosses Buttermilk Falls Road	Buttermilk Falls Road	1104 Buttermilk Falls Road	Yes	May 1, 2020					
016	check for storm sewer, swale, stream	near intersection of Upper Ridge Top Road and Mt Nebo Road	461 Nebo Road	Yes	May 1, 2020					
017	Marshalls Creek runs parallel to Seven Bridges Road	near Pocono Snake & Animal Farm	424 Seven Bridges Road	Yes	May 1, 2020					
018	check for storm sewer, swale, stream	Seven Bridges Road, north of Country Bridge Road	398 Seven Bridges Road	Yes	May 1, 2020					



BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA l132266		
Date of Inspection:	April 20, 2020		Outfall ID No.;	001		
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>40</u> ° <u>59</u> ' <u>22</u> "		
☐ Industrial	Urban Resident	ial	Longitude:	<u>75</u> ° <u>07' 58"</u>		
☐ Commercial	Suburban Resid	lential	Dry Weather Ins	spection?	□ No	
	☐ Other:		Date of Previou	s Precipitation: 4	-14-2020	
			Amount of Prev	ious Precipitation: 0	.13 in	
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛚 Yes	□ No	
			Are Photograph	s Attached? 🛛 Yes	□ No	
	OU	TFALL DE	ESCRIPTION			
TYPE	TYPE MATERIAL SH			DIMENSIONS	SUBMERGED	
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	ır 🗌 Single	Diameter: in	☐ In Water	
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment	
	☐ Steel ☐ Other	□ Вох	☐ Triple			
	Other Other					
	☐ Concrete	☐ Trapez	oid	Depth: <u>36</u> in		
	☐ Earthen	☐ Parabo	olic	Top Width: <u>1080</u> in		
	☐ Rip-Rap			Bottom Width: 1080"		
Dry Weather Flow Pre	esent at Outfall During Insp	ection? 🛚	Yes No (If	No, skip to Certification	on Section)	
Description of Flow Ra	ate: 🗌 Trickle 🗵 Mode	erate 🗌 Si	ignificant 🗌 N/A	A		
	DRY WEA	ATHER FL	OW EVALUA	TION		
Does the dry weather	flow contain color?	es 🛚 No	If Yes, provide a	description below.		
Does the dry weather	flow contain an odor?	Yes 🛭 N	lo If Yes, provide	e a description below.		
If Yes, provide a desc	change in the receiving wat ription below.	ters as a res	ult of the discharç	ge? 🗌 Yes 🗌 No		
n/a	flow contain floating calida	cours aba	on or substances	that result in danceits	Ves ⊠ No	
If Yes, provide a desc	flow contain floating solids ription below.	, scum, snee	en or substances	mat result in deposits?	°□ les □ M	

Were sample(s) collected	I of the dry weat	her flow? 🔲 Y	es 🛚 No (If Yes, No. Sa	imples:)			
	FI	ELD / LABOR	RATORY ANALYSIS				
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS		
Flow Rate		GPM	Fecal Coliform		No./100 mL		
рН		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 ar	ı illicit discharge	? ☐ Yes ⊠	No				
If Yes, describe efforts ma	ade to determin	e the source(s) o	f the illicit discharge				
ii res, describe enorts in	ade to determine	c inc 300100(3) 0	Title more disorial go.				
Describe corrective action	ns taken by the p	permittee in resp	onse to the finding of an illic	cit discharge.			
Inanastas Cammonta:							
Inspector Comments:							
			FICIAL CERTIFICATI				
I certify under penalty of	f law that this do	ocument and all	attachments were prepared	under my direction	n or supervision i		
accordance with a system	m designed to a	assure that quai person or person	fied personnel properly gat s who manage the system	nered and evalual or those persons d	irectly responsib		
for gathering the inform	ation, the inform	nation submitted	is, to the best of my know	ledge and belief, tr	ue, accurate, an		
complete. I am aware t	hat there are sig	nificant penaltie	s for submitting false inform	nation, including the	possibility of fin		
and imprisonment for kn	owledge of viola	ations. See 18 Pa	a. C.S. § 4904 (relating to un	sworn raisification).			
Boucher & James, Inc.			Mylwas	u			
Responsible Official Nar	me		Signature				
(570) 629-0300			09/15/2020				
Telephone No.			Date				

MS-4 Outfall ID No. 001 April 20, 2020







BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA l132266		
Date of Inspection:	April 20, 2020		Outfall ID No.:	002 - Behind D	ollar General	
Land Uses in Outfall D	Orainage Area (Select All):		Latitude:	<u>41° 01' 16"</u>		
☐ Industrial	☐ Urban Residenti	ial	Longitude:	<u>75</u> ° <u>10</u> ' <u>56</u> "		
⊠ Commercial	☐ Suburban Resid	ential	Dry Weather Ins	spection? X Yes	☐ No	
☐ Open Space	Other:		Date of Previous	s Precipitation: 4	-14-2020	
			Amount of Previ	ious Precipitation: 0	.13 in	
Inspector Name(s): Ko	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	□ No	
			Are Photograph	s Attached? 🛛 Yes	□ No	
	OU	TFALL DE	SCRIPTION			
TYPE MATERIAL SHAPE DIMENSIONS SUBMERO					SUBMERGED	
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water	
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment	
	☐ Steel ☐ Other	□ Вох	☐ Triple			
		☐ Other	☐ Other			
	☐ Concrete ☐ Trapezoid ☐ Depth: 8 in					
	☐ Earthen	☐ Parabo	olic	Top Width: 120 in		
	☐ Rip-Rap			Bottom Width: 120"		
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes 🗌 No (If	No, skip to Certificatio	on Section)	
Description of Flow Ra	ate: 🗌 Trickle 🗌 Mode	erate 🗌 S	ignificant 🛭 N/A	A		
	DRY WEA	ATHER FL	OW EVALUA	TION		
Does the dry weather	flow contain color? X	es 🗌 No	If Yes, provide a	description below.		
Green Algee building	g at stream surface					
Does the dry weather	flow contain an odor? $\ igstyle igstyle$	Yes 🗌 N	o If Yes, provide	e a description below.		
Dumping grounds, ti	ires, shopping carts and	other mater	ials noted and o	dor observed.		
Is there an observed of If Yes, provide a desc	change in the receiving wat ription below.	ters as a res	ult of the discharç	ge? □ Yes ⊠ No		
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	P ⊠ Yes □ No	
Green algee, floating	solids and moss noted	at the stagn	ant stream surfa	ace		

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples:)							
	FII	ELD / LABOR	ATORY 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?							
Describe corrective action	is taken by the p	permittee in resp	onse to the finding of an illic	cit discharge.			
Inspector Comments:							
	DESE	ONSIRI E OF	FICIAL CERTIFICATI	ON			
Learlife under negative of					or supervision in		
accordance with a syste	m designed to a	assure that quali	attachments were prepared fied personnel properly gat	hered and evaluate	ed the information		
submitted. Based on my	inquiry of the p	erson or person	s who manage the system o	or those persons d	irectly responsible		
complete. I am aware the	ation, the information at the real are sign	nificant penalties	is, to the best of my knowl s for submitting false inform	ation, including the	e possibility of fine		
and imprisonment for known	owledge of viola	itions. See 18 Pa	a. C.S. § 4904 (relating to uns	sworn falsification).	-		
Boucher & James, Inc.			Mywaa	tu			
Responsible Official Nan	ne		Signature				
(570) 629-0300			09/15/2020				
Telephone No.			Date				

MS-4 Outfall ID No. 002 April 20, 2020







BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266		
Date of Inspection:	April 20, 2020		Outfall ID No.:	005 - 154 Chari	ton Drive	
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>03</u> ' <u>40</u> "		
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>11</u> ' <u>23</u> "		
☐ Commercial		lential	Dry Weather Ins	spection? X Yes	☐ No	
☐ Open Space	Other:		Date of Previous	s Precipitation: 4-	-14-2020	
			Amount of Previ	ious Precipitation: 0.	.13 in	
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	☐ No	
			Are Photograph	s Attached? X Yes	☐ No	
	OU	TFALL DE	ESCRIPTION			
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED	
	☐ RCP ☐ CMP		r 🗌 Single	Diameter: 15 in		
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double			
	☐ Steel ☐ Other	□ Вох	☐ Triple			
		Other Other				
☐ Open Channel	☐ Concrete	☐ Trapez	oid	Depth: in		
	☐ Earthen	☐ Parabo	olic	Top Width: in		
	☐ Rip-Rap	☐ Other		Bottom Width:		
	Other					
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes No (If	No, skip to Certificatio	n Section)	
Description of Flow Ra	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	ignificant 🛭 N/A	Ą		
	DRY WE	ATHER FL	OW EVALUA	TION		
Does the dry weather	flow contain color?	es 🛚 No	If Yes, provide a	description below.		
Does the dry weather	flow contain an odor?	Yes 🛛 N	o If Yes, provide	e a description below.		
Is there an observed of If Yes, provide a desc	change in the receiving war ription below.	ters as a res	ult of the discharg	ge? ☐ Yes ⊠ No		
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	Yes 🛚 No	

Were sample(s) collected	of the dry weat	her flow?	es 🗵 No (If Yes, No. Sa	mples:)	
	FI	ELD / LABOF	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
рН		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 a	bove that were	analyzed by a D	EP-certified laboratory:		- = =
		ILLICIT E	DISCHARGES		
If Yes, describe efforts made and the property of the corrective action and the correction action and the corrective action and the correction action and the correction action and the correction action action and the correction action action action and the correction action			onse to the finding of an illic	sit discharge.	
	RESF	PONSIBLE OI	FFICIAL CERTIFICATI	ON	
accordance with a syste submitted. Based on my for gathering the information complete. I am aware the system is a system of the	m designed to a inquiry of the partion, the informat there are significated and the informat there are significated and the information and the in	assure that quali person or person nation submitted pnificant penaltie	attachments were prepared ified personnel properly gat is who manage the system is, to the best of my knowls for submitting false informa. C.S. § 4904 (relating to unsolve) Signature 09/15/2020	hered and evaluate or those persons d edge and belief, tr ation, including the	ed the informati irectly responsil ue, accurate, a
Telephone No.					

MS-4 Outfall ID No. 005 April 20, 2020







BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266		
Date of Inspection:	April 20, 2020		Outfall ID No.:	006 - Opposite	85 Chariton Drive	
Land Uses in Outfall (Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>03</u> ' <u>18"</u>		
☐ Industrial	Urban Resident	ial	Longitude:	<u>75</u> ° <u>11</u> ' <u>25</u> "		
☐ Commercial	Suburban Resident Suburban Resi	lential	Dry Weather Ins	spection? X Yes	☐ No	
☐ Open Space	☐ Other:		Date of Previous	s Precipitation: 4-	-14-2020	
			Amount of Prev	ious Precipitation: 0.	. 13 in	
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛚 Yes	☐ No	
			Are Photograph	s Attached? 🛛 Yes	☐ No	
	OU	TFALL DE	SCRIPTION			
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED	
	⊠ RCP □ CMP		r 🗌 Single	Diameter: 15 in	☐ In Water	
	☐ PVC ☐ HDPE	☐ Elliptica	al Double			
	☐ Steel ☐ Other	□ Вох	☐ Triple			
		☐ Other ☐ Other				
☐ Open Channel	☐ Concrete ☐ Trapezoid ☐ Depth: in					
	☐ Earthen	☐ Parabo	olic	Top Width: in		
	☐ Rip-Rap	☐ Other		Bottom Width:		
	☐ Other					
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes No (#	No, skip to Certification	on Section)	
Description of Flow R	ate: 🗌 Trickle 🔲 Mode	erate 🗌 S	ignificant 🛭 N//	A		
	DRY WE	ATHER FL	OW EVALUA	TION		
Does the dry weather	flow contain color?	es 🛚 No	If Yes, provide a	description below.		
Does the dry weather	flow contain an odor?	Yes 🛭 N	o If Yes, provide	e a description below,		
Is there an observed of If Yes, provide a description	change in the receiving war ription below.	ters as a res	ult of the discharg	ge? □ Yes ⊠ No		
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	Yes 🛚 No	

Were sample(s) collected	of the dry weath	ner flow?	es 🛛 No (If Yes, No. Sa	mples:)	
	FI	ELD / LABOR	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
рН		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 a	bove that were	analyzed by a D	EP-certified laboratory:	•	
		ILLICIT E	DISCHARGES		
Is the dry weather flow an	illicit discharge	? ☐ Yes ⊠	No		
If Yes, describe efforts ma			onse to the finding of an illid	cit discharge.	
Inspector Comments:					
	RESE	ONSIRI F O	FFICIAL CERTIFICATI	ON	
accordance with a syste submitted. Based on my for gathering the information complete. I am aware the	m designed to a notinguiry of the pation, the inform nat there are sig	assure that qual person or person pation submitted nificant penaltie	attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know is for submitting false informations. S. § 4904 (relating to unit	hered and evaluate or those persons d ledge and belief, tr nation, including the	ed the information irectly responsibone rue, accurate, ar
Boucher & James, Inc.			My	ualen	
Responsible Official Nan	ne		Signature	1	
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 006 April 20, 2020







BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266		
Date of Inspection:	April 20, 2020		Outfall ID No.:	007 - Adjacent Drive	22 Stone Gate	
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>00' 42"</u>		
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>10' 28"</u>		
☐ Commercial	Suburban Residence Suburban Resi	lential	Dry Weather Ins	spection? X Yes	□ No	
☐ Open Space	Other:		Date of Previou	s Precipitation: 4	-14-2020	
			Amount of Prev	ious Precipitation: 0	. 13 in	
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛚 Yes	☐ No	
			Are Photograph	s Attached? 🛛 Yes	☐ No	
	OU	TFALL DE	ESCRIPTION			
TYPE	MATERIAL	S	SHAPE	DIMENSIONS	SUBMERGED	
☐ Closed Pipe	☐ RCP ☐ CMP		ır 🗌 Single	Diameter: 24 in	☐ In Water	
	☐ PVC ☐ HDPE	☐ Elliptica	al Double			
	☐ Steel ☐ Other	□ Вох	☐ Triple			
		☐ Other	☐ Other			
☐ Open Channel	☐ Concrete	☐ Trapez	oid	Depth: in		
	☐ Earthen	☐ Parabo	olic	Top Width: in		
	☐ Rip-Rap	☐ Other		Bottom Width:		
	☐ Other					
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes No (I	No, skip to Certification	on Section)	
Description of Flow Ra	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	ignificant 🛭 N//	A		
	DRY WE	ATHER FL	OW EVALUA	TION		
Does the dry weather	flow contain color?	es 🛚 No	If Yes, provide a	description below.		
Does the dry weather	flow contain an odor?	Yes ⊠ N	lo If Yes, provide	e a description below,		
Is there an observed of If Yes, provide a desc	change in the receiving war ription below.	ters as a res	ult of the discharç	ge? ☐ Yes ⊠ No		
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	s, scum, shee	en or substances	that result in deposits?	' ☐ Yes ⊠ No	

Were sample(s) collected of the dry weather flow? ☐ Yes ☒ No (If Yes, No. Samples:)							
Were sample(s) collected				mples:)			
			RATORY ANALYSIS	DE0111 TO	LINUTO		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS		
Flow Rate		GPM	Fecal Coliform		No./100 mL		
рН		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 ma	ade to determine	the source(s) o	f the illicit discharge.				
Describe corrective action	s taken by the p	ermittee in resp	onse to the finding of an illic	it discharge.			
Inspector Comments:							
	RESP	ONSIBLE OF	FICIAL CERTIFICATI	ON			
accordance with a syste submitted. Based on my for gathering the information complete. I am aware the	law that this dome designed to a inquiry of the pation, the informat there are sign	cument and all a assure that quali erson or person ation submitted nificant penalties	attachments were prepared fied personnel properly gat s who manage the system or is, to the best of my knowles for submitting false information. C.S. § 4904 (relating to unstantial)	under my direction hered and evaluate or those persons di edge and belief, tr ation, including the	ed the information rectly responsible ue, accurate, and		
Boucher & James, Inc.			MPu	raer			
Responsible Official Nan	ne		Signature	0			
(570) 629-0300			09/15/2020				
Telephone No.			Date				

MS-4 Outfall ID No. 007 April 20, 2020





BACKGROUND INFORMATION								
Permittee Name: Smithfield Township			NPDES Permit No.: PAI132266					
Date of Inspection: April 20, 2020			Outfall ID No.: 008 - Adjacent 134 Kings Pond Rd.					
Land Uses in Outfall Drainage Area (Select All):			Latitude: <u>41</u> ° <u>03</u> ' <u>19</u> "					
☐ Industrial ☐ Urban Residential			Longitude: <u>75</u> ° <u>10</u> ' <u>06</u> "					
☐ Commercial ☐ Suburban Residential			Dry Weather Inspection? ☐ Yes ☐ No					
☐ Open Space ☐ Other:			Date of Previous Precipitation: 4-14-2020					
			Amount of Previous Precipitation: 0.13 in					
Inspector Name(s): Kevin Thomas			Were Photographs Taken? ☐ Yes ☐ No					
			Are Photographs Attached? ⊠ Yes □ No					
OUTFALL DESCRIPTION								
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED			
☐ Closed Pipe	⊠ RCP □ CMP		ır 🗌 Single	Diameter: 54 in	☐ In Water			
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment			
	☐ Steel ☐ Other	□ Вох	☐ Triple					
		☐ Other	☐ Other					
	☐ Concrete ☐ Trapez		oid	Depth: <u>6</u> in				
	☐ Earthen ☐ Parabo		olic	Top Width: <u>54</u> in				
	☐ Rip-Rap ☐ Other			Bottom Width: 54"				
					<u> </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.								

			N						
Were sample(s) collected			es 🛛 No (If Yes, No. Sa	mples:)					
FIELD / LABORATORY ANALYSIS									
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS				
Flow Rate		GPM	Fecal Coliform		No./100 mL				
рН		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 a	bove that were a	analyzed by a D	EP-certified laboratory:						
		ILLICIT D	DISCHARGES						
Is the dry weather flow an	illicit discharge	? ☐ Yes ⊠	No						
If Yes, describe efforts ma									
Describe corrective action	s taken by the p	ermittee in resp	onse to the finding of an illid	it discharge.					
Inspector Comments:									
	RESP	ONSIBLE OF	FICIAL CERTIFICATI	ON					
accordance with a syste submitted. Based on my for gathering the information complete. I am aware the	law that this do m designed to a inquiry of the pation, the informat there are sig	cument and all a assure that quali erson or person ation submitted nificant penalties	attachments were prepared fied personnel properly gat s who manage the system is, to the best of my knowles for submitting false information. C.S. § 4904 (relating to unstant)	under my direction hered and evaluate or those persons di edge and belief, tr ation, including the	ed the information rectly responsibue, accurate, ar				
Boucher & James, Inc.		MPu	Myugen						
Responsible Official Name			Signature	Signature					
(570) 629-0300			09/15/2020	09/15/2020					
Telephone No.		Date							

MS-4 Outfall ID No. 008 April 20, 2020



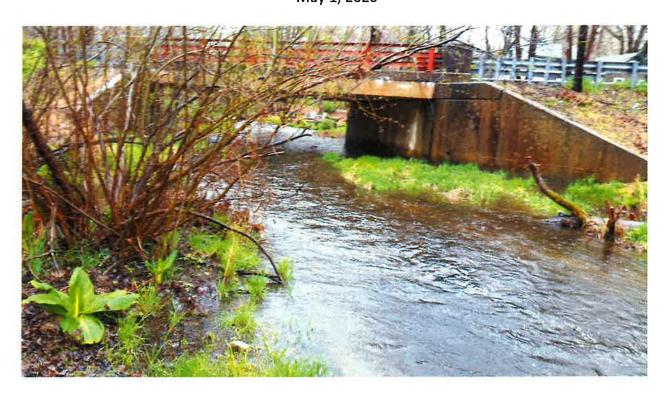




BACKGROUND INFORMATION							
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266			
Date of Inspection:	May 1, 2020		Outfall ID No.:	009 - 2 Windy E	Brook Rd.		
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>01</u> ' <u>43</u> "			
☐ Industrial	Urban Resident	al	Longitude:	<u>75</u> ° <u>10</u> ' <u>57</u> "			
☐ Commercial	Suburban Resident Suburban Resi	ential	Dry Weather Ins	spection?	⊠ No		
☐ Open Space	Other:		Date of Previous	s Precipitation: 4	-20-2020/5-1-2020		
			Amount of Prev	ious Precipitation: 0	.83/.25 in		
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	☐ No		
			Are Photograph	s Attached? X Yes	☐ No		
	OU	TFALL DE	ESCRIPTION				
TYPE	MATERIAL	s	HAPE	DIMENSIONS	SUBMERGED		
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water		
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment		
	☐ Steel ☐ Other	□ Вох	☐ Triple				
		☐ Other	☐ Other				
	☐ Concrete	☐ Trapez	oid	Depth: <u>15</u> in			
	□ Earthen	⊠ Parabo	Dlic Top Width: <u>120</u> in				
1	☐ Rip-Rap	☐ Other	Bottom Width: 120"				
	☐ Other						
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes 🛛 No (If	No, skip to Certificatio	n Section)		
Description of Flow R	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	gnificant 🛭 N/A	4			
	DRY WE	ATHER FL	OW EVALUA	TION			
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 If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	Yes No		

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			
рН		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 a	bove that were	analyzed by a DI	EP-certified laboratory:					
		ILLICIT D	ISCHARGES					
Is the dry weather flow an	illicit discharge	? ☐ Yes 🏻	No					
If Yes, describe efforts ma	ade to determine	e the source(s) o	f the illicit discharge.					
Describe corrective action	s taken by the p	permittee in resp	onse to the finding of an illic	it discharge.				
Inspector Comments:								
	RESF	ONSIBLE OF	FICIAL CERTIFICATION	ON				
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).								
Boucher & James, Inc.			you Pu	10les				
Responsible Official Nan	ne		Signature	0				
(570) 629-0300			09/15/2020					
Telephone No.								

MS-4 Outfall ID No. 009 May 1, 2020







BACKGROUND INFORMATION							
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266			
Date of Inspection:	May 1, 2020		Outfall ID No.;	010 - Adjacent	534 Fawn Rd.		
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>01</u> ' <u>25</u> "			
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>10</u> ' <u>58</u> "			
☐ Commercial	Suburban Resident Suburban Resi	lential	Dry Weather Ins	spection?	⊠ No		
☐ Open Space	Other:		Date of Previous	s Precipitation: 4-	-20-2020/5-1-2020		
			Amount of Prev	ious Precipitation: 0.	. 83/.25 in		
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	☐ No		
			Are Photograph	s Attached? 🛛 Yes	☐ No		
	OU	TFALL DE	ESCRIPTION				
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED		
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water		
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment		
	☐ Steel ☐ Other	□ Вох	☐ Triple				
		☐ Other	☐ Other				
	☐ Concrete		oid	Depth: <u>8</u> in			
	☐ Earthen	☐ Parabo	olic Top Width: <u>756</u> in				
	☐ Rip-Rap	☐ Other	Bottom Width: 756"				
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes ⊠ No (If	No, skip to Certificatio	n Section)		
Description of Flow Ra	ate: 🔲 Trickle 🔲 Mode	erate 🗌 Si	ignificant 🛛 N/A	A			
	DRY WEA	ATHER FL	OW EVALUA	TION			
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 If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	Yes No		

Were sample(s) collected	of the dry weat	her flow? 🔲 Y	es 🗌 No (If Yes, No. Sa	mples:)	
	FI	ELD / LABOR	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
рН		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 a	bove that were	analyzed by a D	EP-certified laboratory:	1	
		ILLICIT E	DISCHARGES		
Is the dry weather flow ar	ı illicit discharge	? ☐ Yes ⊠	No		
Describe corrective action	ns taken by the p	permittee in resp	onse to the finding of an illic	cit discharge.	
Inspector Comments:					
	RESF	PONSIBLE OI	FFICIAL CERTIFICATI	ION	
accordance with a system submitted. Based on my for gathering the information complete. I am aware the second seco	flaw that this do am designed to a inquiry of the pation, the informat there are signal.	ocument and all a assure that quali person or person nation submitted prificant penaltie	attachments were prepared ified personnel properly gat is who manage the system is, to the best of my knows for submitting false informa. C.S. § 4904 (relating to un	under my direction thered and evaluat or those persons d ledge and belief, to nation, including the	ed the informat irectly responsi ue, accurate, a
Boucher & James, Inc.			MP	ugen	
Responsible Official Nar	ne		Signature	0	
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 010 May 1, 2020



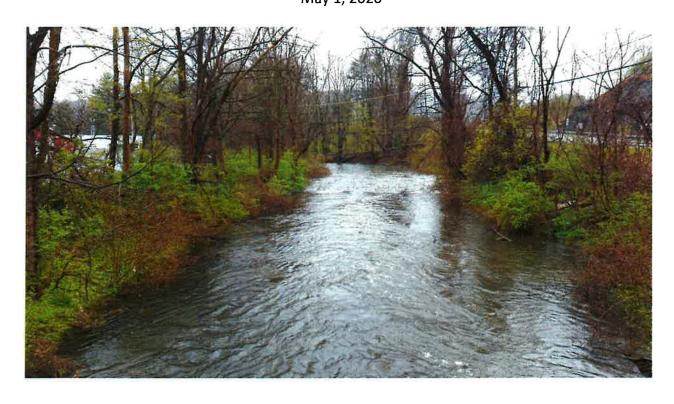




BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit No.: PAI132266			
Date of Inspection:	May 1, 2020		Outfall ID No.:	011 - 2585 Milfo	ord Rd. (Bus 209)	
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41° 01' 31"</u>		
☐ Industrial	Urban Resident	ial	Longitude:	<u>75° 07' 44"</u>		
☐ Commercial	Suburban Resident Suburban Resi	lential	Dry Weather Ins	spection?	⊠ No	
☐ Open Space	☐ Other:		Date of Previou	s Precipitation: 4-	-20-2020/5-1-2020	
			Amount of Prev	ious Precipitation: 0.	.83/.25 in	
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	☐ No	
			Are Photograph	s Attached? 🛛 Yes	☐ No	
	OU	TFALL DE	ESCRIPTION			
TYPE	MATERIAL	s	HAPE	DIMENSIONS	SUBMERGED	
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter:in	☐ In Water	
	☐ PVC ☐ HDPE	☐ Elliptica	al Double		☐ With Sediment	
	☐ Steel ☐ Other	□ Вох	☐ Triple			
		☐ Other	☐ Other			
	☐ Concrete		oid	Depth: 8 in		
	☐ Earthen	☐ Parabo	olic Top Width: <u>756</u> in			
	☐ Rip-Rap	☐ Other		Bottom Width: 756"		
	○ Other					
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes 🛭 No (If	No, skip to Certificatio	n Section)	
Description of Flow Ra	ate: Trickle Mode	erate 🗌 Si	gnificant 🛛 N/A	4		
	DRY WEA	ATHER FL	OW EVALUA	TION		
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 If Yes, provide a description	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	☐ Yes ☐ No	

vvere sample(s) collected	or the dry weat	ner flow? Y	es 🗌 No (If Yes, No. Sa	imples:)					
FIELD / LABORATORY ANALYSIS									
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS				
Flow Rate		GPM	Fecal Coliform		No./100 mL				
pН		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 a	bove that were	analyzed by a D	EP-certified laboratory:	*					
·									
		ILLICIT D	DISCHARGES						
ls the dry weather flow an	illicit discharge								
If Yes, describe efforts ma									
ir res, describe enorts ma	ade to determine	e lile source(s) o	the illicit discharge.						
Describe corrective action	is taken by the p	permittee in resp	onse to the finding of an illic	cit discharge.					
Inspector Comments:									
	RESF	ONSIBLE OF	FICIAL CERTIFICATI	ON					
I certify under penalty of			attachments were prepared		or supervision				
accordance with a syste	m designed to a	assure that quali	fied personnel properly gat	hered and evaluate	ed the informat				
submitted. Based on my	inquiry of the p	erson or person	s who manage the system	or those persons di	rectly responsi				
for gathering the information	ation, the inform	ation submitted	is, to the best of my know s for submitting false inform	leage and belief, tr	ue, accurate, a nossibility of t				
and imprisonment for known	owledge of viola	itions. See 18 Pa	s for submitting false information. C.S. § 4904 (relating to una	sworn falsification).	, possibility of I				
	J = = = = = = = = = = = = = = = = = = =		26	,					
Boucher & James, Inc.			JK) Pa	ugen					
Responsible Official Nan	ne		Signature	0					
(570) 629-0300			09/15/2020						
Telephone No. Date									

MS-4 Outfall ID No. 011 May 1, 2020







BACKGROUND INFORMATION							
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA l132266			
Date of Inspection:	May 1, 2020		Outfall ID No.;	012 - 410 Resc 402)	012 - 410 Rescia Falls Rd. (SR 402)		
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41° 02' 42"</u>			
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>07</u> ' <u>39</u> "			
☐ Commercial	☐ Suburban Resid	lential	Dry Weather Ins	spection?	⊠ No		
☐ Open Space	Other:		Date of Previous	s Precipitation: 4	-20-2020/5-1-2020		
			Amount of Previ	ious Precipitation: 0	.83/.25 in		
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	□ No		
			Are Photograph	s Attached? 🛛 Yes	No No		
	OU	TFALL DE	ESCRIPTION				
TYPE	MATERIAL	S	SHAPE	DIMENSIONS	SUBMERGED		
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water		
	☐ PVC ☐ HDPE	☐ Elliptica	al Double		☐ With Sediment		
	☐ Steel ☐ Other	□ Вох	☐ Triple				
		☐ Other	☐ Other				
	☐ Concrete		oid	Depth: 7 in			
	⊠ Earthen	☐ Parabo	olic	Top Width: 408 in			
	☐ Rip-Rap	☐ Other		Bottom Width: 408"			
	☐ Other				_		
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes 🛭 No (If	No, skip to Certification	on Section)		
Description of Flow Ra	ate: Trickle Mode	erate 🗌 Si	ignificant 🛛 N/A	4			
	DRY WE	ATHER FL	OW EVALUA	TION			
Does the dry weather flow contain color?							
Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.							
Is there an observed of If Yes, provide a desc	change in the receiving wat ription below.	ters as a res	ult of the discharg	ge? 🗌 Yes 🗌 No			
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	?		

	FIE	LD / LABOR	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 m
рН		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:		
Describe corrective action	s taken by the p	ermittee in resp	onse to the finding of an illid	cit discharge.	
Inspector Comments:					
10 - F -	RESP	ONSIBLE OF	FICIAL CERTIFICATI	ON	
accordance with a system submitted. Based on my for gathering the information complete. I am aware the	m designed to a inquiry of the po ation, the informa at there are sign	ssure that quali erson or person ation submitted nificant penaltie:	attachments were prepared fied personnel properly gat s who manage the system is, to the best of my knowled for submitting false information. C.S. § 4904 (relating to unstantial)	hered and evaluate or those persons di ledge and belief, tr nation, including the	ed the informated rectly responsions to the contract of the co
Boucher & James, Inc.			MPu	alu	
Responsible Official Nam	ne		Signature	0	
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 012

May 1, 2020







BACKGROUND INFORMATION						
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266		
Date of Inspection:	May 1, 2020		Outfall ID No.:	013 - 5927 Seve (S.R. 209)	en Bridges Rd.	
Land Uses in Outfall [Orainage Area (Select All):	,	Latitude:	<u>41° 01' 37"</u>		
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>07</u> ' <u>41</u> "		
☐ Commercial	☐ Suburban Resid	lential	Dry Weather Ins	spection?	⊠ No	
☐ Open Space	Other: Residen field/comm. site	tial	Date of Previous	s Precipitation: 4	-20-2020/5-1-2020	
			Amount of Prev	ious Precipitation: 0.	.83/.25 in	
Inspector Name(s): Ko	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	☐ No	
			Are Photograph	s Attached? 🛛 Yes	☐ No	
	OU	TFALL DE	ESCRIPTION			
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED	
	⊠ RCP □ CMP	☐ Circula	r 🗌 Single	Diameter: 31x45 in	☐ In Water	
	☐ PVC ☐ HDPE		al 🗌 Double		☐ With Sediment	
	☐ Steel ☐ Other	□ Вох	☐ Triple			
		☐ Other	☐ Other			
☐ Open Channel	☐ Concrete	☐ Trapez	oid	Depth: in		
	☐ Earthen	☐ Parabo	olic Top Width: in			
	☐ Rip-Rap	☐ Other		Bottom Width:		
	☐ Other					
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes No (If	No, skip to Certificatio	on Section)	
Description of Flow Ra	ate: 🗌 Trickle 🔲 Mode	erate 🗌 Si	ignificant 🛛 N/A	4		
	DRY WE	ATHER FL	OW EVALUA	TION		
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 of If Yes, provide a desc	change in the receiving war ription below.	ters as a res	ult of the discharç	ge? 🗌 Yes 🗌 No		
Does the dry weather	flow contain floating solids	, scum, shee	en or substances	that result in deposits?	Yes No	

If Yes, provide a descripti	on below.								
Were sample(s) collected of the dry weather flow?									
FIELD / LABORATORY ANALYSIS									
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS				
Flow Rate		GPM	Fecal Coliform		No./100 mL				
pН		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:						
Is the dry weather flow an If Yes, describe efforts made and the Inspector Comments:	ade to determine	the source(s) o		it discharge.					
	RESP	ONSIBLE OF	FICIAL CERTIFICATION	ON					
accordance with a syste submitted. Based on my for gathering the information complete. I am aware the	m designed to a vinquiry of the po ation, the informa nat there are sign	ssure that quali erson or person ation submitted nificant penaltie:	attachments were prepared fied personnel properly gath s who manage the system of is, to the best of my knowles for submitting false information. C.S. § 4904 (relating to unstable)	nered and evaluate or those persons di edge and belief, tr ation, including the	ed the information rectly responsibue, accurate, ar				
Boucher & James, Inc.			Men	gen					
Responsible Official Nan	ne		Signature						
(570) 629-0300			09/15/2020						
Telephone No. Date									

MS-4 Outfall ID No. 013

May 1, 2020





BACKGROUND INFORMATION								
Permittee Name:	Smithfield Township		NPDES Permit No.: PAI132266					
Date of Inspection:	May 1, 2020		Outfall ID No.:	014 - 185 River	Rd.			
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>40° 59' 55"</u>				
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>08' 17"</u>				
☐ Commercial	Suburban Resident Suburban Resi	lential	Dry Weather Ins	spection?	⊠ No			
☐ Open Space	Other:		Date of Previou	s Precipitation: 4-	-20-2020/5-1-2020			
			Amount of Prev	ious Precipitation: 0.	.83/.25 in			
Inspector Name(s): Ke	evin Thomas		Were Photograp	ohs Taken? 🛛 Yes	☐ No			
			Are Photograph	s Attached? 🛛 Yes	☐ No			
	OU	TFALL DE	ESCRIPTION					
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED			
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water			
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment			
	☐ Steel ☐ Other	□ Вох	☐ Triple					
		☐ Other	☐ Other					
☑ Open Channel	☐ Concrete		oid	Depth: <u>25</u> in				
	⊠ Earthen	☐ Parabo	lic Top Width: <u>480</u> in					
	☐ Rip-Rap	☐ Other	Bottom Width: 480"					
	☐ Other							
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes ⊠ No (If	No, skip to Certificatio	n Section)			
Description of Flow Ra	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	gnificant 🛛 N/A	4				
	DRY WEA	ATHER FL	OW EVALUA	TION				
Does the dry weather	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 If Yes, provide a descri	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	☐ Yes ☐ No			

Were sample(s) collected	of the dry weat	her flow?	es 🗌 No (If Yes, No. Sa	mples:)					
FIELD / LABORATORY ANALYSIS									
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS				
Flow Rate		GPM	Fecal Coliform		No./100 mL				
рН		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 a	bove that were	analyzed by a D	EP-certified laboratory:						
		ILLICIT D	DISCHARGES						
Is the dry weather flow an If Yes, describe efforts ma	_								
Describe corrective action	s taken by the p	permittee in resp	onse to the finding of an illio	it discharge.					
Inspector Comments:					_				
	RESF	PONSIBLE OF	FICIAL CERTIFICATION	ON					
accordance with a syste submitted. Based on my for gathering the information complete. I am aware the	law that this do m designed to a r inquiry of the pation, the informat there are sig	ocument and all a assure that quali person or person nation submitted unificant penalties	attachments were prepared fied personnel properly gatts who manage the system cis, to the best of my knowles for submitting false inform a. C.S. § 4904 (relating to uns	under my direction nered and evaluate or those persons di edge and belief, tr ation, including the	ed the information irectly responsible rue, accurate, and				
Boucher & James, Inc.			Me	ugeer					
Responsible Official Nan	ne		Signature	0					
(570) 629-0300			09/15/2020						
Telephone No. Date									

MS-4 Outfall ID No. 014 May 1, 2020



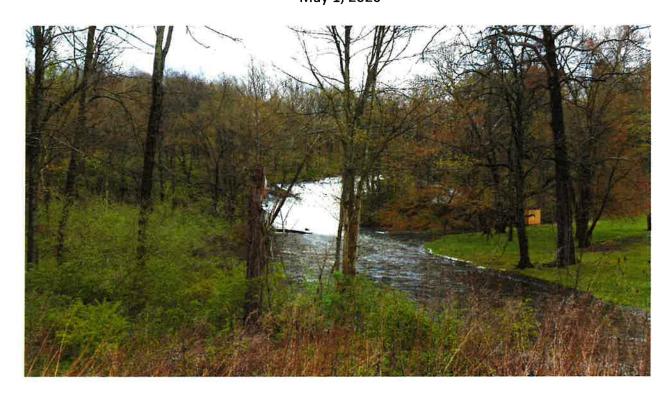




	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266	
Date of Inspection:	May 1, 2020		Outfall ID No.:	015 - 1104 Butt	ermilk Falls Rd.
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41° 00' 30"</u>	
☐ Industrial	Urban Resident	ial	Longitude:	<u>75° 07' 53"</u>	
☐ Commercial	Suburban Resident Suburban Resi	lential	Dry Weather Ins	spection?	⊠ No
☐ Open Space	☐ Other:		Date of Previous	s Precipitation: 4-	-20-2020/5-1-2020
			Amount of Previ	ious Precipitation: 0.	.83/.25 in
Inspector Name(s): Ko	evin Thomas		Were Photograp	ohs Taken? 🛚 Yes	☐ No
			Are Photograph	s Attached? 🛛 Yes	☐ No
	OU	TFALL DE	SCRIPTION		
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment
	☐ Steel ☐ Other	□ Вох	☐ Triple		
		☐ Other	☐ Other		
	☐ Concrete		oid	Depth: 28 in	
	⊠ Earthen	☐ Parabo	olic	Top Width: 480 in	
	☐ Rip-Rap	☐ Other		Bottom Width: 480"	
	☐ Other				
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes ⊠ No (If	No, skip to Certificatio	n Section)
Description of Flow Ra	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	gnificant 🛭 N/A	A	
	DRY WEA	ATHER FL	OW EVALUA	TION	
Does the dry weather	flow contain color?	es 🗌 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗌 N	o If Yes, provide	a description below.	
Is there an observed of If Yes, provide a description	change in the receiving wat ription below.	ters as a res	ult of the discharg	e? 🗌 Yes 🗌 No	
Does the dry weather If Yes, provide a description	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	☐ Yes ☐ No

Were sample(s) collected	of the dry weat	her flow? Y	es 🗌 No (If Yes, No. Sa	mples:)	
	FI	ELD / LABOR	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
рН		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 a	bove that were	analyzed by a D	EP-certified laboratory:		
		ILLICIT D	DISCHARGES		
Is the dry weather flow an	illicit discharge	? ☐ Yes 🖾	No		
Describe corrective action	ns taken by the p	permittee in resp	onse to the finding of an illid	cit discharge.	
Inspector Comments:					
	RESE	PONSIBLE OF	FFICIAL CERTIFICATI	ON	
accordance with a syste submitted. Based on my for gathering the informa- complete. I am aware the	m designed to a y inquiry of the pation, the information at the information at there are sign	assure that quali person or person pation submitted prificant penaltie	attachments were prepared ified personnel properly gat s who manage the system is, to the best of my know s for submitting false inform a. C.S. § 4904 (relating to unit	hered and evaluate or those persons d' ledge and belief, tr nation, including the	ed the informati irectly responsilue, accurate, a
Boucher & James, Inc.			MP	ugen	
Responsible Official Nar	ne		Signature	0	
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 015 May 1, 2020







	BACK	GROUND	INFORMATIC	N	
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266	
Date of Inspection:	May 1, 2020		Outfall ID No.:	016 - 641 Nebo	Rd.
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>00</u> ' <u>38</u> "	
☐ Industrial	☐ Urban Resident	ial	Longitude:	<u>75</u> ° <u>07' 19"</u>	
☐ Commercial	Suburban Resident Suburban Resi	lential	Dry Weather Ins	spection?	⊠ No
☐ Open Space	Other:		Date of Previous	s Precipitation: 4	-20-2020/5-1-2020
	€		Amount of Prev	ious Precipitation: 0	.83/.25 in
Inspector Name(s): K			Were Photograp	ohs Taken? 🛚 Yes	□ No
*Note:FES structrue	and top of bank separati	on	Are Photograph	s Attached? 🛛 Yes	□ No
	OU	TFALL DE	ESCRIPTION		
TYPE	MATERIAL	s	HAPE	DIMENSIONS	SUBMERGED
	⊠ RCP □ CMP		r 🗌 Single	Diameter: 54 in	☐ In Water
	☐ PVC ☐ HDPE	☐ Elliptica	al 🗌 Double		☐ With Sediment
	☐ Steel ☐ Other	□ Вох	☐ Triple		
		☐ Other	☐ Other		
☐ Open Channel	☐ Concrete	☐ Trapez	oid	Depth: in	
	☐ Earthen	☐ Parabo	olic	Top Width: in	
	☐ Rip-Rap	☐ Other		Bottom Width:	
	☐ Other				
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes No (If	No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	ignificant 🛭 N/A	4	
	DRY WEA	THER FL	OW EVALUA	TION	
Does the dry weather	flow contain color?	es 🗌 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗌 N	o If Yes, provide	e a description below,	
Is there an observed of If Yes, provide a desc	change in the receiving wat ription below.	ters as a res	ult of the discharg	ge? 🗌 Yes 🗌 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	Yes No

Were sample(s) collected	of the dry weat	her flow?	es 🗌 No (If Yes, No. Sa	mples:)	
	FII	ELD / LABOR	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pН		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 a	above that were	analyzed by a D	EP-certified laboratory:		
		ILLICIT E	DISCHARGES		
If Yes, describe efforts made and the second describe corrective action and the second described d			f the illicit discharge. onse to the finding of an illic	sit discharge.	
inspector comments.					
	RESF	PONSIBLE OF	FICIAL CERTIFICATI	ON	
accordance with a system submitted. Based on my for gathering the information complete. I am aware the system is a system of the	em designed to a y inquiry of the pation, the information, the information are sign	assure that quali person or person pation submitted prificant penalties	attachments were prepared fied personnel properly gat s who manage the system is, to the best of my knowles for submitting false information. C.S. § 4904 (relating to unstable)	hered and evaluate or those persons d edge and belief, tr ation, including the	ed the information irectly responsible ue, accurate, and
Boucher & James, Inc.			My	your	
Responsible Official Nar	ne		Signature	U	
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 016 May 1, 2020

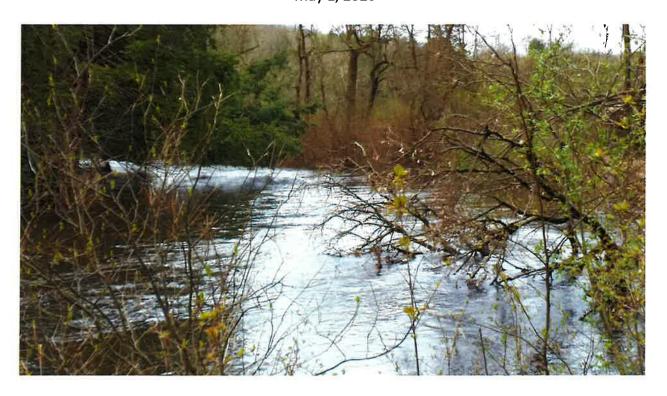




	BACK	GROUND	INFORMATIC	N	
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA I132266	
Date of Inspection:	May 1, 2020		Outfall ID No.:	017 - 424 Seve (Snake Farm)	n Bridges Rd.
Land Uses in Outfall (Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>01</u> ' <u>16</u> "	
☐ Industrial	Urban Resident	ial	Longitude:	<u>75</u> ° <u>07</u> ' <u>45</u> "	
□ Commercial	☐ Suburban Resid	lential	Dry Weather Ins	spection?	⊠ No
☐ Open Space	Other:		Date of Previou	s Precipitation: 4	-20-2020/5-1-2020
			Amount of Prev	ious Precipitation: 0	.83/.25 in
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛚 Yes	☐ No
			Are Photograph	s Attached? 🛛 Yes	i □ No
	OU	TFALL DE	ESCRIPTION		
TYPE	MATERIAL	s	HAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water
	☐ PVC ☐ HDPE	☐ Elliptic	al 🗌 Double		☐ With Sediment
	☐ Steel ☐ Other	□ Вох	☐ Triple		
		☐ Other	☐ Other		
	☐ Concrete		coid	Depth: 8 in	
	⊠ Earthen	☐ Parabo	olic	Top Width: 360 in	
	☐ Rip-Rap	☐ Other		Bottom Width: 360"	
	☐ Other				
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes 🛭 No (It	No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗌 Trickle 🗌 Mode	erate S	ignificant 🛭 N//	4	
	DRY WE	ATHER FL	OW EVALUA	TION	
Does the dry weather	flow contain color?	es 🗌 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗌 N	lo If Yes, provide	e a description below.	
Is there an observed of If Yes, provide a desc	change in the receiving war ription below.	ters as a res	ult of the discharç	ge? 🗌 Yes 🗌 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	, scum, shee	en or substances	that result in deposits?	? 🗌 Yes 🗌 No

142	e de la companya de l		D No (15V No O		
vvere sample(s) collected			es No (If Yes, No. Sa	mples:)	
			RATORY 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:		
Is the dry weather flow an	_	? 🗌 Yes 🖂			
			onse to the finding of an illic	eit discharge.	
Inspector Comments:					
	RESP	ONSIBLE OF	FICIAL CERTIFICATION	ON	
accordance with a system submitted. Based on my for gathering the information complete. I am aware the	m designed to a inquiry of the p ation, the inform nat there are sig	essure that quali erson or person ation submitted nificant penaltie:	attachments were prepared fied personnel properly gatl s who manage the system of is, to the best of my knowles for submitting false inform a. C.S. § 4904 (relating to uns	hered and evaluate or those persons di edge and belief, tro ation, including the	ed the information rectly responsiblue, accurate, an
Boucher & James, Inc.			Mylug	ver	
Responsible Official Nam	ne		Signature		
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 017 May 1, 2020



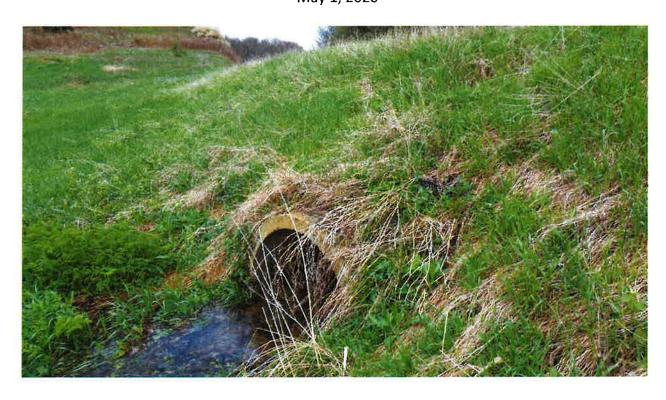




	BACK	GROUND	INFORMATIC	N	
Permittee Name:	Smithfield Township		NPDES Permit	No.: PA l132266	
Date of Inspection:	May 1, 2020		Outfall ID No.:	018 - 398 Seve Adventure spo	n Bridges Rd. (Adj. orts)
Land Uses in Outfall [Orainage Area (Select All):		Latitude:	<u>41</u> ° <u>01</u> ' <u>29</u> "	
☐ Industrial	Urban Resident	ial	Longitude:	<u>75</u> ° <u>07</u> ' <u>44</u> "	
☐ Commercial	☐ Suburban Resid	lential	Dry Weather Ins	spection?	⊠ No
	☐ Other:		Date of Previou	s Precipitation: 4	-20-2020/5-1-2020
			Amount of Prev	ious Precipitation: 0	.83/.25 in
Inspector Name(s): K	evin Thomas		Were Photograp	ohs Taken? 🛚 Yes	☐ No
			Are Photograph	s Attached? 🛛 Yes	☐ No
	OU	TFALL DE	ESCRIPTION		
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	⊠ RCP □ CMP	☐ Circula	r 🗌 Single	Diameter: 24x44 in	☐ In Water
	☐ PVC ☐ HDPE		al 🗌 Double		☐ With Sediment
	☐ Steel ☐ Other	□ Вох	☐ Triple		
		☐ Other	☐ Other		
☐ Open Channel	☐ Concrete	☐ Trapez	oid	Depth: in	
	☐ Earthen	☐ Parabo	olic	Top Width: in	
	☐ Rip-Rap	☐ Other		Bottom Width:	₹8
	☐ Other				
Dry Weather Flow Present at Outfall During Inspection? ☐ Yes ☒ No (If No, skip to Certification Section)					
Description of Flow R	ate: 🔲 Trickle 🔲 Mode	erate 🗌 Si	gnificant 🛛 N//	Α	
	DRY WE	ATHER FL	OW EVALUA	TION	
Does the dry weather	flow contain color?	es 🗌 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗌 N	o If Yes, provide	e a description below.	
Is there an observed of If Yes, provide a desc	change in the receiving war ription below.	ters as a res	ult of the discharg	ge? 🗌 Yes 🗍 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids	, scum, shee	en or substances	that result in deposits?	Yes No

	FII	ELD / LABOR	ATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
рН		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:		
If Yes, describe efforts ma			f the illicit discharge. onse to the finding of an illic	sit discharge.	
	PESD	ONSIRI E OI	FICIAL CERTIFICATI	ON	
Loodify under penalty of			attachments were prepared		or sunervisio
accordance with a syste submitted. Based on my for gathering the informa complete. I am aware the	m designed to a inquiry of the p ation, the inform at there are sig	assure that quali erson or person ation submitted nificant penaltie	fied personnel properly gat s who manage the system of is, to the best of my knowled for submitting false information. C.S. § 4904 (relating to uns	hered and evaluate or those persons di edge and belief, tr ation, including the	ed the informa rectly respons ue, accurate,
Boucher & James, Inc.			1 Pluc	yeu	
Responsible Official Nan	ne		Signature		
(570) 629-0300			09/15/2020		
Telephone No.			Date		

MS-4 Outfall ID No. 018 May 1, 2020





Minimum Control Measure #4 Construction Site Stormwater Runoff Control

Minimum Control Measure #4				Smithfield Township
Construction Site Stormwater Runoff Control				1632168
				June 30, 2020
Design Name	Area of	Date of Notification to	Date of Approval	Conditions of Apparat
rioject walle	Disturbance	Disturbance Conservation District	Date of Apployal	collations of Approval
Verizon Wireless - Magick Cauldron	<1 ac	5/18/2020	Pending	Pending
Stroudsburg Pocono Airpark, Llc Aistrip Road	3.97 ac	5/15/2020	6/3/2020	With Conditions



AN EMPLOYEE OWNED COMPANY

INNOVATIVE ENGINEERING

June 2, 2020

Smithfield Township Board of Supervisors 1155 Red Fox Road East Stroudsburg, PA 18301 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

SUBJECT:

STROUDSBURG POCONO AIRPARK, LLC – AIRSTRIP ROAD EXPANSION

ENGINEERING SKETCH PLAN REVIEW NO. 4 www.bjengineers.com

SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA

PROJECT NO. 1932205R

Dear Supervisors:

Pursuant to the Township's request, we have completed a fourth engineering sketch plan review for the Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion. The submitted information consists of the following items:

- 1. Response letter prepared by Linder Engineering, dated May 18, 2020.
- 2. Exhibit B, Estimate of Probably Construction Costs prepared by Linder Engineer, dated May 18, 2020.
- 3. Incompleteness Review Letter prepared by Monroe County Conservation District, dated March 17, 2020.
- 4. Monroe County Conservation District Completeness Notification Letter dated May 15, 2020.
- 5. Engineer's Report and Stormwater Narrative prepared by Linder Engineering, dated February 2020, revised May 18, 2020.
- 6. Erosion & Sediment Pollution Control Narrative prepared by Linder Engineering, dated May 18, 2020.
- 7. Airport Road Expansion plans (10 sheets) prepared by Linder Engineering, dated March 2018, revised May 18, 2020.

The Board of Supervisors agreed to waive the requirement that the plans go through the Land Development process, however the Board stated, and the developer agreed that they comply with the Township Subdivision and Land Development Ordinance requirements.

BACKGROUND INFORMATION

The Applicant is proposing to widen Airstrip Road beginning at its existing cultde-sac located approximately 400 feet west of the intersection with Airport Road to a point approximately 1,600 feet west. Airstrip Road runs east and west and intersects Airport Road at a location approximately 1,500 feet north of Milford Road (Business Route 209). Airstrip Road is a private road providing access to Stroudsburg Pocono Airpark, LLC.

The existing roadway is 23-feet wide between Airport Road and the existing cul-de-sac and 16 feet wide from the cul-de-sac and west. The existing right-of-way is 40-feet wide. The proposed widening

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 4 June 2, 2020 Page 2 of 5

will begin at the intersection with Airport Road and extend west. The widening will provide an 18-foot wide travelway with 4-foot wide shoulders creating a 26-foot wide cartway. A roundabout is also proposed. The right-of-way is shown to remain 40-feet wide between Airport Road and the existing cul-de-sac and is proposed 50-feet wide along the remainder of Airport Road.

The roadway expansion is provided to accommodate an increase in vehicular traffic resulting from the Vigon International, Inc. Land Development. The Vigon Land Development was reviewed and approved under a separate application. It is anticipated that the Vigon Land Development will generate 300 new daily vehicular trips.

Based on our review of the submitted plan, we offer the following comments and/or recommendations for your consideration.

SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS

- 1. In accordance with Section 603.A.(12), "proof of submission to all the agencies, authorities, commissions, persons, etc., required to be distributed by the applicant/developer under the submission guidelines of this Part" should be provided. Proof of submission to and all correspondence/permits/approvals from the following agencies should be submitted to the Township. (Previous Comment 3)
 - a. Monroe County Conservation District/PADEP Letter of Adequacy and NPDES Permit for Stormwater Discharges from Construction Activities (if disturbance exceeds 1 acre) Refer to Comment 13. (Previous Comment) We understand a submission has been made to the Montgomery County Conservation District. Proof of submission to and all correspondence/permits/approvals from the Conservation District shall be submitted. (Previous Comment) An incompleteness review letter dated March 17, 2020 was issued by the Monroe County Conservation District. (Previous Comment 3.a) A Monroe County Conservation District Completeness Notification Letter dated May 15, 2020 has been received.
 - b. Fire Company (Previous Comment) The response indicates submission to the Fire Company was made concurrently with this submission. (Previous Comment) Status of review by the Fire Company shall be provided. (Previous Comment 3.b) Based upon a letter dated May 5, 2020 from the Fire Chief, the Fire Company has reviewed the proposed development and has no objections.
- 2. In accordance with Sections 603.G.(17), 603.G.(17)(b), 1302.1.E, and 1302.2.A, a soil and erosion and sediment control plan shall be submitted. 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. An erosion and sedimentation control plan including all proposed facilities with associated details and the limit of disturbance must be submitted. If disturbance is one (1) acre or more a submission must also be made to the Monroe County Conservation District for erosion and sedimentation control and NPDES permit approvals. (Previous Comment) An erosion and sedimentation

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 4 June 2, 2020 Page 3 of 5

control plan shall still be submitted to the Township. We understand a submission has been made to the Montgomery County Conservation District. Proof of submission to and all correspondence/permits/approvals from the Conservation District shall be submitted. (Previous Comment) An incompleteness review letter dated March 17, 2020 was issued by the Monroe County Conservation District. (Previous Comment 13) A Monroe County Conservation District Completeness Notification Letter dated May 15, 2020 has been received.

- 3. In accordance with Section 1008.1 and Appendix B, the required right-of-way width for a Local Access Street is 50-feet. The right-of-way width is shown as 40-feet and the plan should be revised. (Previous Comment) A 50-foot wide right-of-way is now proposed beginning at the existing cul-de-sac and heading west. The existing 40-foot right-of-way is shown as to remain between Airport Road and the existing cul-de-sac. Airstrip Road is being offered for dedication to Smithfield Township, therefore the required 50-foot wide right-of-way shall extend the entire length of Airstrip Road. (Previous Comment) The response indicates the 40-foot wide rightof-way is owned by another entity and will not be widened. A note describing the existing right-of-way and ownership should be provided on the plan. In addition, clarification should be provided as to whether the existing 40-foot wide right-of-way will also be offered to the Township for dedication. If not being offered, will access across the existing right-of-way be permitted by its owner? (Previous Comment 20) The response indicates that it is the Applicant's intent to offer Airstrip Road to Smithfield Township once complete. The rightof-way along Airstrip Road from Airport Road to the first existing cul-de-sac will remain at 40-feet. The required right-of-way width is 50-feet. We believe if Airstrip Road is being offered for dedication the right-of-way must be the requirements of Section 1008.1 and Appendix B. This should be discussed with the Township.
- 4. In accordance with Section 1010.1, "centerline grades shall not be less than one percent (1%)". The proposed centerline grades are less than 1% and should be revised. If a waiver is requested, we would support the request provided the roadway is designed having a slope of 0.5% or greater. (Previous Comment 21) A waiver from Section 1010.1 is requested. The road profile has been revised to provide a minimum 0.5% slope and the road cross section provides a 2% slope. Therefore, we have no objection to this request.
- 5. Per Section 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."

Existing trees along Airstrip Road will remain. Street trees are not proposed in these areas which is permitted per this section. However, not all existing trees are located within 10-feet of the right-of-way line as required and additional street trees should be provided. (Previous Comment 22.d) A waiver from Section 1101.1.C.(2)(e) is requested. The request indicates the existing trees are located within the existing wetlands and provide dense screening and cools stormwater runoff. We have no objection to this request.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 4 June 2, 2020 Page 4 of 5

- 6. 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." (New Comment) The proposed berm width appears to be 3-feet and shall be revised. (Previous Comment 25) A 4-foot wide berm is now proposed. A waiver from Section 1301.7.G is now requested. Due to the small storage capacity of the proposed basin we have no objection to this request.
- 7. In accordance with Section 1301.7.J.(1), "emergency overflow facilities shall be provided for detention facilities to handle run-off in excess of design flows." (New Comment) Calculations in support of the proposed emergency spillway must be provided in accordance with Section 1301.7.J. Also refer to Comment 40. (Previous Comment 27) Emergency spillway calculations have been submitted demonstrating that 0.26-feet of freeboard is provided in an emergency condition. However, during normal flow, the high water elevation of the 100-year storm event does not reach the proposed emergency spillway elevation. A waiver from Section 1301.7.J.(1) is requested. Due to the small storage capacity of the proposed basin we have no objection to this request.
- 8. In accordance with Section 1301.7.L.(6), "a cutoff trench (keyway) of impervious material shall be provided under all embankments that require fill material. The cutoff trench shall be a minimum of eight (8) feet wide, two (2) feet deep and have side slopes of one (1) to one (1)." (New Comment) A cutoff trench shall be provided at the proposed basin. (Previous Comment 31) A cut off trench 2-feet wide and 6-inches deep is now proposed. A waiver from Section 1301.7.L.(6) is requested. Due to the small storage capacity of the proposed basin and the tested high water table we have no objection to this request.
- 9. In accordance with Sections 1501.3 and 1501.5, "applicants/developers shall be required to construct or pay for the construction of, at the option of the Township those on- and off-site public improvements, or portions thereof, which the Township determines bear a rational nexus to the needs created by and the benefits conferred upon, the subdivision or development". "Where the Board of Supervisors determines that it is not feasible to construct the required improvements at the time of development, funds can be put in an escrow account sufficient to cover the cost of required improvements, to be constructed at a later date". A construction cost estimate shall be submitted for review. (Previous Comment) The response indicates a construction cost estimate is being prepared and will be provided. (Previous Comment 33) An Estimate of Probable Construction Costs has been submitted. A review under separate cover will be completed.

STORMWATER MANAGEMENT ORDINANCE COMMENTS

The proposed improvements include the addition of over 16,000 square feet impervious area (2,060-feet of roadway*10-feet widening). Therefore, this is a regulated activity in accordance with Section 305. The criteria listed in the Stormwater Management Ordinance should be followed and associated plans, calculations, and reports should be submitted.

10. 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" shall be provided. (New Comment) The soil testing determined the water table to be at elevations 472.54 and 471.61. The proposed basin

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 4 June 2, 2020 Page 5 of 5

bottom elevation is 472.75 which does not provide a minimum of 24-inches. The basin should be revised. The location of the testing shall also be identified. (Previous Comment 37) The basin has been revised and the Limiting Zone is now 1.75 feet to 2.50 feet below the basin bottom. A waiver from Section 224.A.2.(a) is requested. We have no objection with this request.

11. 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." (New Comment) Emergency spillway calculations must be submitted for review. (Previous Comment 40) A 4-foot wide berm is now proposed. A waiver from Section 227.4 is now requested. Due to the small storage capacity of the proposed basin we have no objection to this request.

MISCELLANEOUS COMMENTS

12. The Applicant shall discuss whether Airstrip Road will remain a private roadway. A copy of the deed referenced in General Note 2 on Sheet 1B should also be submitted. (Previous Comment 48) The response indicates that the Applicant intends to offer Airstrip Road for dedication to Smithfield Township. Refer to Comment 3.

We have no further engineering related comments. We recommend the above remaining comments be addressed to the satisfaction of Smithfield Township prior to recordation of the Land Development Plan.

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: Ronold J. Karasek, Esquire, Smithfield Township Solicitor
Ken Wolf, Smithfield Township Zoning Officer
Brick Linder, P.E., Linder Engineering, Inc. – Design Engineer
Stroudsburg Pocono Airpark, LLC – Property Owner/Developer
Monroe County Conservation District
Melissa E. Prugar, P.E. – Boucher & James, Inc.



AN EMPLOYEE OWNED COMPANY

INNOVATIVE ENGINEERING

April 30, 2020

Smithfield Township Board of Supervisors 1155 Red Fox Road East Stroudsburg, PA 18301

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STROUDSBURG POCONO AIRPARK, LLC-AIRSTRIP ROAD EXPANSION SUBJECT: www.bjengineers.com

ENGINEERING SKETCH PLAN REVIEW NO. 3

SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA

PROJECT NO. 1932205R

Dear Supervisors:

Pursuant to the Township's request, we have completed a third engineering sketch plan review for the Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion. The submitted information consists of the following items:

- 1. Response letter prepared by Linder Engineering dated April 2, 2020.
- 2. Incompleteness Review Letter prepared by Monroe County Conservation District, dated March 17, 2020.
- 3. Subdivision of Lands, Portion of Pocono Stroudsburg Airport, Inc., prepared by RKR Hess, dated September 14, 1994.
- 4. Engineer's Report and Stormwater Narrative prepared by Linder Engineering, dated February 2020, revised March 25, 2020.
- 5. Airport Road Expansion plans (8 sheets) prepared by Linder Engineering, dated March 2018, revised March 25, 2020.

The Board of Supervisors agreed to waive the requirement that the plans go through the Land Development process, however the Board stated, and the developer agreed that they comply with the Township Subdivision and Land Development Ordinance requirements.

BACKGROUND INFORMATION

The Applicant is proposing to widen Airstrip Road beginning at its existing cul-de-sac located approximately 400 feet west of the intersection with Airport Road to a point approximately 1,600 feet west. Airstrip Road runs east and west and intersects Airport Road at a location approximately 1,500 feet north of Milford Road (Business Route 209). Airstrip Road is a private road providing access to Stroudsburg Pocono Airpark, LLC.

The existing roadway is 23-feet wide between Airport Road and the existing oul-de-sac and 16-feet wide from the cul-de-sac and west. The existing right-of-way is 40-feet wide. The proposed widening will begin at the intersection with Airport Road and extend west. The widening will provide an 18foot wide travelway with 4-foot wide shoulders creating a 26-foot wide cartway. A roundabout is also proposed. The right-of-way is shown to remain 40-feet wide between Airport Road and the existing

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 2 of 9

cul-de-sac and is proposed 50-feet wide along the remainder of Airport Road.

The roadway expansion is provided to accommodate an increase in vehicular traffic resulting from the Vigon International, Inc. Land Development. The Vigon Land Development was reviewed and approved under a separate application. It is anticipated that the Vigon Land Development will generate 300 new daily vehicular trips.

Based on our review of the submitted plan, we offer the following comments and/or recommendations for your consideration.

ZONING ORDINANCE COMMENTS

- 1. Section 401.3.B states, in part, "the design of any site plan, subdivision plan or land development plan within Smithfield Township shall minimize any adverse impact on flood hazard areas, lakes, ponds, freshwater wetlands, and steep slopes."
 - a. In accordance with Section 401.3.D.(1)(b), "where the National Wetlands Inventory Maps indicate wetlands on a site or where a site contains hydric soils or an area with a predominance of wetlands vegetation, an on-site investigation shall be conducted to determine if wetlands are present on the site. A landowner or applicant shall use one (1) of the following methods to delineate wetlands:
 - (a) Wetlands boundaries shall be delineated through an on-site assessment which shall be conducted by a professional soil scientist or others of demonstrated qualifications. Such a person shall certify that the methods used correctly to reflect currently accepted technical concepts, including the presence of wetlands vegetation, hydric soils and/or hydrologic indicators. The study must be approved by the governing body.
 - (b) A wetlands delineation validated by the U.S. Army Corps of Engineers. Should a wetlands delineated validated by the U.S. Army Corps of Engineers vary from a wetlands boundary derived from subsection (a) above, the Corps delineation shall govern."

Existing wetlands are shown on the plan. The wetland study and any permits/determinations received must be provided. (Previous Comment) A Wetland Summary dated August 7, 2019 and prepared by C&H Environmental suggests wetlands are not present. The response indicates a full wetland report will be submitted. Further review will be provided upon receipt. Plans need to be revised to reflect conclusions of the wetland study. (Previous Comment) The response indicates confirmation of wetlands is pending and a report will be provided when complete.

b. Comment satisfied.

SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS

2. In accordance with Sections 602.C and 702.C, the plan should be accompanied by "two (2)

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 3 of 9

electronic copies (one in AutoCAD format, or format acceptable to the Township and Authority, and one in PDF format)." (Previous Comment) Subsequent submissions shall also be provided electronically.

- 3. In accordance with Section 603.A.(12), "proof of submission to all the agencies, authorities, commissions, persons, etc., required to be distributed by the applicant/developer under the submission guidelines of this Part" should be provided. *Proof of submission to and all correspondence/permits/approvals from the following agencies should be submitted to the Township.* (Previous Comment)
 - a. Monroe County Conservation District/PADEP Letter of Adequacy and NPDES Permit for Stormwater Discharges from Construction Activities (if disturbance exceeds 1 acre) Refer to Comment 13. (Previous Comment) We understand a submission has been made to the Montgomery County Conservation District. Proof of submission to and all correspondence/permits/approvals from the Conservation District shall be submitted. (Previous Comment) An incompleteness review letter dated March 17, 2020 was issued by the Monroe County Conservation District.
 - b. Fire Company (Previous Comment) The response indicates submission to the Fire Company was made concurrently with this submission. (Previous Comment) Status of review by the Fire Company shall be provided.
- 4. Comment satisfied.
- 5. In accordance with Section 603.D.(13)(g), "if any of the three (3) wetlands parameters (hydric soils, hydrophytic vegetation or evidence of hydrology) are present on a site proposed for development, a separate wetlands delineation of sufficient detail to allow for thorough review by Township officials must be submitted to the Township. As part of the delineation process, a field investigation shall be performed and wetlands boundaries on the site shall be verified and flagged. Delineation of verification shall be performed by a qualified wetland professional. The delineation shall be incorporated into the plan. The person or organization performing the delineation shall certify that the delineation has been performed in accordance with the criteria for wetlands delineation established in the 1989 Federal Manual for Identifying and Delineating Jurisdictional Wetlands, or any more restrictive amendments thereto. iurisdictional determination from the US Army Corps of Engineers shall be provided for all projects identified as having wetlands or waters." Existing wetlands are shown on the plan. The wetland study and any permits/determinations received must be provided. Also refer to Comment 1. (Previous Comment) A Wetland Summary dated August 7, 2019 and prepared by C&H Environmental suggests wetlands are not present. The response indicates a full wetland report will be submitted. Further review will be provided upon receipt. (Previous Comment) The response indicates confirmation of wetlands is pending and a report will be provided when complete.
- 6. Comment satisfied.
- 7. Comment satisfied.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 4 of 9

- 8. Comment satisfied.
- 9. Comment satisfied.
- 10. Comment satisfied.
- 11. Comment satisfied.
- 12. Comment satisfied.
- 13. In accordance with Sections 603.G.(17), 603.G.(17)(b), 1302.1.E, and 1302.2.A, a soil and erosion and sediment control plan shall be submitted. 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. An erosion and sedimentation control plan including all proposed facilities with associated details and the limit of disturbance must be submitted. If disturbance is one (1) acre or more a submission must also be made to the Monroe County Conservation District for erosion and sedimentation control and NPDES permit approvals. (Previous Comment) An erosion and sedimentation control plan shall still be submitted to the Township. We understand a submission has been made to the Montgomery County Conservation District. Proof of submission to and all correspondence/permits/approvals from the Conservation District shall be submitted. (Previous Comment) An incompleteness review letter dated March 17, 2020 was issued by the Monroe County Conservation District.
- 14. Comment satisfied.
- 15. Comment satisfied.
- 16. Comment satisfied.
- 17. Comment satisfied.
- 18. Comment satisfied.
- 19. Comment satisfied.
- 20. In accordance with Section 1008.1 and Appendix B, the required right-of-way width for a Local Access Street is 50-feet. The right-of-way width is shown as 40-feet and the plan should be revised. (Previous Comment) A 50-foot wide right-of-way is now proposed beginning at the existing cul-de-sac and heading west. The existing 40-foot right-of-way is shown as to remain between Airport Road and the existing cul-de-sac. Airstrip Road is being offered for dedication to Smithfield Township, therefore the required 50-foot wide right-of-way shall extend the entire length of Airstrip Road. (Previous Comment) The response indicates the 40-foot wide right-of-way is owned by another entity and will not be widened. A note describing the existing right-of-way and ownership should be provided on the plan. In addition, clarification should

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 5 of 9

be provided as to whether the existing 40-foot wide right-of-way will also be offered to the Township for dedication. If not being offered, will access across the existing right-of-way be permitted by its owner?

- 21. In accordance with Section 1010.1, "centerline grades shall not be less than one percent (1%)". The proposed centerline grades are less than 1% and should be revised. If a waiver is requested, we would support the request provided the roadway is designed having a slope of 0.5% or greater. (Previous Comment) A waiver from Section 1010.1 is requested. The road profile has been revised to provide a minimum 0.5% slope and the road cross section provides a 2% slope. Therefore, we have no objection to this request.
- 22. In accordance with Section 1101.1.C.(1)(a), "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:
 - a. New streets.
 - b. New sidewalks or pedestrian ways.
 - c. Existing streets, sidewalks, pedestrian ways, highways, bicycle trails or pathways that abut or lie within the subdivision or land development.
 - d. Access and/or private driveways to residential developments serving four (4) or more dwelling units."

Per Section 1101.1.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." Street trees are required along Airstrip Road and the plan should be revised. (Previous Comment) Street trees are now proposed, however they are spaced between 55-feet and 60-feet. The plan shall be revised to space the proposed street trees between 40-feet and 50-feet as required. (Previous Comment) Additional trees are still required.

In addition,

- a. Comment satisfied.
- b. Comment satisfied.
- c. Comment satisfied.
- d. Per Section 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

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 6 of 9

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."

Existing trees along Airstrip Road will remain. Street trees are not proposed in these areas which is permitted per this section. However, not all existing trees are located within 10-feet of the right-of-way line as required and additional street trees should be provided. (Previous Comment) A waiver from Section 1101.1.C.(2)(e) is requested. The request indicates the existing trees are located within the existing wetlands and provide dense screening and cools stormwater runoff. We have no objection to this request.

- 23. Comment satisfied.
- 24. Comment satisfied.
- 25. 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." (New Comment) The proposed berm width appears to be 3-feet and shall be revised. (Previous Comment) A 4-foot wide berm is now proposed. A waiver from Section 1301.7.G is now requested. Due to the small storage capacity of the proposed basin we have no objection to this request.
- 26. Comment satisfied.
- 27. In accordance with Section 1301.7.J.(1), "emergency overflow facilities shall be provided for detention facilities to handle run-off in excess of design flows." (New Comment) Calculations in support of the proposed emergency spillway must be provided in accordance with Section 1301.7.J. Also refer to Comment 40. (Previous Comment) Emergency spillway calculations have been submitted demonstrating that 0.26-feet of freeboard is provided in an emergency condition. However, during normal flow, the high water elevation of the 100-year storm event does not reach the proposed emergency spillway elevation. A waiver from Section 1301.7.J.(1) is requested. Due to the small storage capacity of the proposed basin we have no objection to this request.
- 28. Comment satisfied.
- 29. Comment satisfied.
- 30. Comment satisfied.
- 31. In accordance with Section 1301.7.L.(6), "a cutoff trench (keyway) of impervious material shall be provided under all embankments that require fill material. The cutoff trench shall be a minimum of eight (8) feet wide, two (2) feet deep and have side slopes of one (1) to one (1)." (New Comment) A cutoff trench shall be provided at the proposed basin. (Previous Comment) A cut off trench 2-feet wide and 6-inches deep is now proposed. A waiver from Section 1301.7.L.(6) is requested. Due to the small storage capacity of the proposed basin and the

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 7 of 9

tested high water table we have no objection to this request.

- 32. Comment satisfied.
- 33. In accordance with Sections 1501.3 and 1501.5, "applicants/developers shall be required to construct or pay for the construction of, at the option of the Township those on- and off-site public improvements, or portions thereof, which the Township determines bear a rational nexus to the needs created by and the benefits conferred upon, the subdivision or development". "Where the Board of Supervisors determines that it is not feasible to construct the required improvements at the time of development, funds can be put in an escrow account sufficient to cover the cost of required improvements, to be constructed at a later date". A construction cost estimate shall be submitted for review. (Previous Comment) The response indicates a construction cost estimate is being prepared and will be provided.

STORMWATER MANAGEMENT ORDINANCE COMMENTS

The proposed improvements include the addition of over 16,000 square feet impervious area (2,060-feet of roadway*10-feet widening). Therefore, this is a regulated activity in accordance with Section 305. The criteria listed in the Stormwater Management Ordinance should be followed and associated plans, calculations, and reports should be submitted.

- 34. Comment satisfied.
- 35. Comment satisfied.
- 36. Comment satisfied.
- 37. 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" shall be provided. (New Comment) The soil testing determined the water table to be at elevations 472.54 and 471.61. The proposed basin bottom elevation is 472.75 which does not provide a minimum of 24-inches. The basin should be revised. The location of the testing shall also be identified. (Previous Comment) The basin has been revised and the Limiting Zone is now 1.75 feet to 2.50 feet below the basin bottom. A waiver from Section 224.A.2.(a) is requested. We have no objection with this request.
- 38. Comment satisfied.
- 39. Comment satisfied.
- 40. 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

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 8 of 9

inflow." (New Comment) Emergency spillway calculations must be submitted for review. (Previous Comment) (Previous Comment) A 4-foot wide berm is now proposed. A waiver from Section 227.4 is now requested. Due to the small storage capacity of the proposed basin we have no objection to this request.

- 41. Comment satisfied.
- 42. Comment satisfied.
- 43. Comment satisfied.
- 44. Comment satisfied.
- 45. Comment satisfied.

MISCELLANEOUS COMMENTS

- 46. Comment satisfied.
- 47. Comment satisfied.
- 48. The Applicant shall discuss whether Airstrip Road will remain a private roadway. A copy of the deed referenced in General Note 2 on Sheet 1B should also be submitted. (Previous Comment 48) The response indicates that the Applicant intends to offer Airstrip Road for dedication to Smithfield Township.
- 49. Comment satisfied.
- 50. Comment satisfied.
- 51. Comment satisfied.
- 52. Comment satisfied.
- 53. Comment satisfied.

PLAN REVISION COMMENTS

- 54. Comment satisfied.
- 55. Comment satisfied.

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.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 3 April 30, 2020 Page 9 of 9

We recommend the above comments be addressed to the satisfaction of Smithfield Township prior to approval of the plan.

In order to facilitate an efficient re-review of revised plans, the Design Engineer shall provide a letter, addressing item by item, their action in response to each of our comments.

If you should have any questions regarding the above comments, please call me.

Sincerely,

Jon S. Tresslar, P.E., P.L.S.

Township Engineer

JST/mep/cg

cc: Ronold J. Karasek, Esquire, Smithfield Township Solicitor

Ken Wolf, Smithfield Township Zoning Officer

Brick Linder, P.E., Linder Engineering, Inc. - Design Engineer

Stroudsburg Pocono Airpark, LLC - Property Owner/Developer

Montgomery County Conservation District

Melissa E. Prugar, P.E. – Boucher & James, Inc.

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AN EMPLOYEE OWNED COMPANY

INNOVATIVE ENGINEERING

March 4, 2020

Smithfield Township Board of Supervisors 1155 Red Fox Road East Stroudsburg, PA 18301 Fountainville Professional Building 1456 Ferry Road, Building 500 Doylestown, PA 18901 215-345-9400 Fax 215-345-9401

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559 Main Street, Suite 230 Bethlehem, PA 18018 610-419-9407 Fax 610-419-9408

www.bjengineers.com

SUBJECT:

STROUDSBURG POCONO AIRPARK, LLC – AIRSTRIP ROAD EXPANSION ENGINEERING SKETCH PLAN REVIEW NO. 2 SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA PROJECT NO. 1932205R

Dear Supervisors:

Pursuant to the Township's request, we have completed a second engineering sketch plan review for the Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion. The submitted information was prepared by Linder Engineering, Inc. and consists of the following items:

- 1. Response letter dated February 14, 2020.
- 2. Engineer's Report and Stormwater Narrative dated February 2020.
- 3. Airport Road Expansion plans (8 sheets):
 - a. Existing Features Plan, Sheet 1A of 4, dated March 2018, revised February 14, 2020.
 - b. Existing Features Plan, Sheet 1B of 4, dated January 2018, revised February 14, 2020.
 - c. Road Expansion Plan, Sheet 2A of 4, dated January 2018, revised February 14, 2020.
 - d. Road Expansion Plan, Sheet 2B of 4, dated January 2018, revised February 14, 2020.
 - e. Drainage & Grading Plan, Sheet 3A of 4, dated February 14, 2020, no revision date.
 - f. Drainage & Grading Plan, Sheet 3B of 4, dated February 14, 2020, no revision date.

The Board of Supervisors agreed to waive the requirement that the plans go through the Land Development process, however the Board stated, and the developer agreed that they comply with the Township Subdivision and Land Development Ordinance requirements.

BACKGROUND INFORMATION

The Applicant is proposing to widen Airstrip Road beginning at its existing cul-de-sac located approximately 400 feet west of the intersection with Airport Road to a point approximately 1,600 feet west. Airstrip Road runs east and west and intersects Airport Road at a location approximately 1,500 feet north of Milford Road (Business Route 209). Airstrip Road is a private road providing access to Stroudsburg Pocono Airpark, LLC.

The existing roadway is 23-feet wide between Airport Road and the existing cul-de-sac and 16-feet wide from the cul-de-sac and west. The existing right-of-way is 40-feet wide. The proposed widening will begin at the intersection with Airport Road and extend west. The widening will provide an 18-foot wide travelway with 4-foot wide shoulders creating a 26-foot wide cartway. A roundabout is also proposed. The right-of-way is shown to remain 40-feet wide between Airport Road and the existing

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 2 of 10

cul-de-sac and is proposed 50-feet wide along the remainder of Airport Road.

The roadway expansion is provided to accommodate an increase in vehicular traffic resulting from the Vigon International, Inc. Land Development. The Vigon Land Development was reviewed and approved under a separate application. It is anticipated that the Vigon Land Development will generate 300 new daily vehicular trips.

Based on our review of the submitted plan, we offer the following comments and/or recommendations for your consideration.

ZONING ORDINANCE COMMENTS

- 1. Section 401.3.B states, in part, "the design of any site plan, subdivision plan or land development plan within Smithfield Township shall minimize any adverse impact on flood hazard areas, lakes, ponds, freshwater wetlands, and steep slopes."
 - a. In accordance with Section 401.3.D.(1)(b), "where the National Wetlands Inventory Maps indicate wetlands on a site or where a site contains hydric soils or an area with a predominance of wetlands vegetation, an on-site investigation shall be conducted to determine if wetlands are present on the site. A landowner or applicant shall use one (1) of the following methods to delineate wetlands:
 - (a) Wetlands boundaries shall be delineated through an on-site assessment which shall be conducted by a professional soil scientist or others of demonstrated qualifications. Such a person shall certify that the methods used correctly to reflect currently accepted technical concepts, including the presence of wetlands vegetation, hydric soils and/or hydrologic indicators. The study must be approved by the governing body.
 - (b) A wetlands delineation validated by the U.S. Army Corps of Engineers. Should a wetlands delineated validated by the U.S. Army Corps of Engineers vary from a wetlands boundary derived from subsection (a) above, the Corps delineation shall govern."

Existing wetlands are shown on the plan. The wetland study and any permits/determinations received must be provided. (Previous Comment) A Wetland Summary dated August 7, 2019 and prepared by C&H Environmental suggests wetlands are not present. The response indicates a full wetland report will be submitted. Further review will be provided upon receipt. Plans need to be revised to reflect conclusions of the wetland study.

b. 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." The 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. The proposed grading and limit of

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 3 of 10

disturbance must be shown on the plan to determine the extent of disturbances to the existing wetlands and wetland margins. (Previous Comment) The proposed limit of disturbance is shown outside the existing wetland areas except for an area at Pipe C3.1 just east of the proposed roundabout. The Natural Features Inventory, now provided on Sheet 1A, indicates 455 square feet, or 0.18% of the existing wetlands will be disturbed. The wetland margin must still be shown, and the existing and disturbed areas shall be listed in the Natural Features Inventory. As discussed in Comment 1.a, further review will be completed upon receipt of the wetland report.

SUBDIVISION AND LAND DEVELOPMENT ORDINANCE COMMENTS

- 2. In accordance with Sections 602.C and 702.C, the plan should be accompanied by "two (2) electronic copies (one in AutoCAD format, or format acceptable to the Township and Authority, and one in PDF format)." (Previous Comment) Subsequent submissions shall also be provided electronically.
- 3. In accordance with Section 603.A.(12), "proof of submission to all the agencies, authorities, commissions, persons, etc., required to be distributed by the applicant/developer under the submission guidelines of this Part" should be provided. Proof of submission to and all correspondence/permits/approvals from the following agencies should be submitted to the Township. (Previous Comment)
 - a. Monroe County Conservation District/PADEP Letter of Adequacy and NPDES Permit for Stormwater Discharges from Construction Activities (if disturbance exceeds 1 acre) Refer to Comment 13. (Previous Comment) We understand a submission has been made to the Montgomery County Conservation District. Proof of submission to and all correspondence/permits/approvals from the Conservation District shall be submitted.
 - b. Fire Company (Previous Comment) The response indicates submission to the Fire Company was made concurrently with this submission.
- 4. Comment satisfied.
- 5. In accordance with Section 603.D.(13)(g), "if any of the three (3) wetlands parameters (hydric soils, hydrophytic vegetation or evidence of hydrology) are present on a site proposed for development, a separate wetlands delineation of sufficient detail to allow for thorough review by Township officials must be submitted to the Township. As part of the delineation process, a field investigation shall be performed and wetlands boundaries on the site shall be verified and flagged. Delineation of verification shall be performed by a qualified wetland professional. The delineation shall be incorporated into the plan. The person or organization performing the delineation shall certify that the delineation has been performed in accordance with the criteria for wetlands delineation established in the 1989 Federal Manual for Identifying and Delineating Jurisdictional Wetlands, or any more restrictive amendments thereto. A jurisdictional determination from the US Army Corps of Engineers shall be provided for all projects identified as having wetlands or waters." Existing wetlands are shown on the plan. The wetland study and any permits/determinations received must be provided. Also refer to Comment 1. (Previous Comment) A Wetland Summary dated August 7, 2019 and prepared by C&H Environmental suggests wetlands are not present. The response indicates a full

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 4 of 10

wetland report will be submitted. Further review will be provided upon receipt.

- 6. Comment satisfied.
- 7. Comment satisfied.
- 8. Comment satisfied.
- 9. In accordance with Sections 603.G.(13) and 603.H.(2)(a)(8), 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 for a fire truck and largest truck to access Airstrip Road should be provided. A copy of the truck turning diagram should also be provided to the Fire Chief for review. (Previous Comment) Turning diagrams for a fire truck are provided in the Engineer's Report and Stormwater Narrative. The response indicates a submission to the Fire Company was made concurrently with this submission.
- 10. Comment satisfied.
- 11. In accordance with Sections 603.G.(15), 1017, and 1020, 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 should be submitted. (Previous Comment) Per Section 1017.D, "lighting shall not cause nighttime spillover of light that exceeds one-half (0.5) horizontal foot-candles." Foot-candles should be provided on the plan to demonstrate the impact of the proposed lights on adjacent properties, specifically the existing residences in the area of the proposed development.
- 12. In accordance with Section 603.G.(16), "a proposed stormwater management plan, prepared in accordance with the Smithfield Township Stormwater Management Ordinance [Chapter 26, Part 2], the PADEP 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 calculations showing watershed areas, inlets, pipe size and material, pipe slopes, headwalls, endwalls and manholes and a statement of the design parameters utilized in arranging and sizing the system". A stormwater management plan should be submitted with supporting calculations and details. (Previous Comment) Refer to Comments 23 through 32 and 34 through 45.
- 13. In accordance with Sections 603.G.(17), 603.G.(17)(b), 1302.1.E, and 1302.2.A, a soil and erosion and sediment control plan shall be submitted. 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. An erosion and sedimentation control plan including all proposed facilities with associated details and the limit of disturbance must be submitted. If disturbance is one (1) acre or more a submission must also be made to the Monroe County Conservation District for erosion and sedimentation control and NPDES permit approvals. (Previous Comment) An erosion and sedimentation control plan shall still be submitted to the Township. We understand a submission has been made to the Montgomery County Conservation District. Proof of submission to and all correspondence/permits/approvals from the Conservation District shall be submitted.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 5 of 10

- 14. Comment satisfied.
- 15. Comment satisfied.
- 16. In accordance with Section 603.H.(3)(a)(7), "hydraulic design data for culverts, subsurface drains, and/or bridge structures" should be provided. Calculations in support of the proposed storm sewer and roadside swales should be provided. In addition, any changes to drainage areas or peak flows to existing storm sewer along Airstrip Road should be investigated to ensure the proposed roadway widening does not adversely impact the existing storm sewer. (Previous Comment) The storm sewer calculations shall be revised to include Pipe C3.1 and the pipe extension/existing pipe from inlet I3.1 to RRA3.1.
- 17. In accordance with Section 603.H.(3)(b)(2), the plan should include "profiles of storm drain and subsurface drains or sewer, showing type and size of pipe, grade, cradle, manhole and inlet locations". A profile of the proposed storm sewer crossing Airstrip Road at Station 16+75± should be provided. In addition, profiles of the existing storm sewer should also be provided to confirm the proposed construction will not adversely impact the existing facilities. (Previous Comment) Profiles for Pipes C3.1, C3.4, and C3.5 shall still be provided.
- 18. Comment satisfied.
- 19. Comment satisfied.
- 20. In accordance with Section 1008.1 and Appendix B, the required right-of-way width for a Local Access Street is 50-feet. The right-of-way width is shown as 40-feet and the plan should be revised. (Previous Comment) A 50-foot wide right-of-way is now proposed beginning at the existing cul-de-sac and heading west. The existing 40-foot right-of-way is shown as to remain between Airport Road and the existing cul-de-sac. Airstrip Road is being offered for dedication to Smithfield Township, therefore the required 50-foot wide right-of-way shall extend the entire length of Airstrip Road.
- 21. In accordance with Section 1010.1, "centerline grades shall not be less than one percent (1%)". The proposed centerline grades are less than 1% and should be revised. If a waiver is requested, we would support the request provided the roadway is designed having a slope of 0.5% or greater. (Previous Comment) A waiver from Section 1010.1 is requested. The road profile has been revised to provide a minimum 0.5% slope and the road cross section provides a 2% slope. Therefore, we have no objection to this request.
- 22. In accordance with Section 1101.1.C.(1)(a), "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:
 - a. New streets.
 - b. New sidewalks or pedestrian ways.
 - c. Existing streets, sidewalks, pedestrian ways, highways, bicycle trails or pathways that abut or lie within the subdivision or land development.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 6 of 10

d. Access and/or private driveways to residential developments serving four (4) or more dwelling units."

Per Section 1101.1.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." Street trees are required along Airstrip Road and the plan should be revised. (Previous Comment) Street trees are now proposed, however they are spaced between 55-feet and 60-feet. The plan shall be revised to space the proposed street trees between 40-feet and 50-feet as required. In addition,

- a. The species and size of the proposed trees shall also be listed on the plan and shall be in accordance with Sections 1101.1.C.(3)(a) and 1101.2.A.
- b. The species and size of the other proposed landscaping shall also be listed on the plan.
- c. Landscape planting details shall be provided on the plan.
- d. Per Section 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."

Existing trees along Airstrip Road will remain. Street trees are not proposed in these areas which is permitted per this section. However, not all existing trees are located within 10-feet of the right-of-way line as required and additional street trees should be provided.

- 23. In accordance with Section 1301.6.B.(3), "the maximum draw down time for stormwater management facilities shall be seventy-two (72) hours". (New Comment) Basin infiltration time calculations shall be submitted.
- 24. In accordance with Section 1301.6.F, "access to 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." (New Comment) An easement permitting access to the proposed infiltration basin shall be provided for access by the Township for inspection, maintenance, and repairs at no cost to the Township.
- 25. 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." (New Comment) The proposed berm width appears to be 3-feet and shall be revised.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 7 of 10

- 26. In accordance with Section 1301.7.J.(3), "emergency spillways shall be constructed of reinforced concrete or other material approved by the Township Engineer". (New Comment) A berm and emergency spillway detail(s) shall be provided on the plan.
- 27. In accordance with Section 1301.7.J.(1), "emergency overflow facilities shall be provided for detention facilities to handle run-off in excess of design flows." (New Comment) Calculations in support of the proposed emergency spillway must be provided in accordance with Section 1301.7.J. Also refer to Comment 40.
- 28. In accordance with Section 1301.7.K.(1), "anti-seep collars shall be installed around the pipe barrel within the normal saturation zone of the detention basin embankment." (New Comment) Anti-seep collars shall be provided. The plan and calculations shall be revised accordingly.
- 29. In accordance with Section 1301.7.L.(1), "all outlet pipes through the basin embankment shall be reinforced concrete pipe with watertight joints." (New Comment) The proposed basin discharge pipe is HDPE pipe and shall be revised accordingly.
- 30. In accordance with Section 1301.7.L.(2), "energy-dissipating devices (rip-rap, end sills, etc.) shall be placed at all basin outlets." (New Comment) Rock riprap is proposed and an associated detail shall be provided on the plan.
- 31. In accordance with Section 1301.7.L.(6), "a cutoff trench (keyway) of impervious material shall be provided under all embankments that require fill material. The cutoff trench shall be a minimum of eight (8) feet wide, two (2) feet deep and have side slopes of one (1) to one (1)." (New Comment) A cutoff trench shall be provided at the proposed basin.
- 32. In accordance with Section 1301.7.Q.(2), "the minimum diameter of all storm drainage pipe shall be eighteen inches (18") or an equivalent thereto. Where headroom is restricted, equivalent pipe arches may be used in lieu of circular pipe." (New Comment) Pipes C3.2 and C3.4 are proposed as 15-inch diameter pipes and shall be revised.
- 33. In accordance with Sections 1501.3 and 1501.5, "applicants/developers shall be required to construct or pay for the construction of, at the option of the Township those on- and off-site public improvements, or portions thereof, which the Township determines bear a rational nexus to the needs created by and the benefits conferred upon, the subdivision or development". "Where the Board of Supervisors determines that it is not feasible to construct the required improvements at the time of development, funds can be put in an escrow account sufficient to cover the cost of required improvements, to be constructed at a later date". A construction cost estimate shall be submitted for review. (Previous Comment 23) The response indicates a construction cost estimate is being prepared and will be provided.

STORMWATER MANAGEMENT ORDINANCE COMMENTS

The proposed improvements include the addition of over 16,000 square feet impervious area (2,060-feet of roadway*10-feet widening). Therefore, this is a regulated activity in accordance with Section 305. The criteria listed in the Stormwater Management Ordinance should be followed and associated plans, calculations, and reports should be submitted.

34. In accordance with 223.A, for water quality and streambank erosion, the applicant shall design

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 8 of 10

- 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. (New Comment) The two (2) year post development peak flow exceeds the one (1) year predevelopment peak flow and the calculations shall be revised.
- 35. In accordance with Section 223.I.(1)(d)(1)(a), permitted activities/development in the inner wetland buffer, "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 inner wetland buffer shall be shown on the plan. Also refer to Comment 1.
- 36. In accordance with Section 223.I.(1)(d)(2)(a), permitted activities/development in the outer wetland buffer, "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)." (New Comment) The outer wetland buffer shall be shown on the plan. Also refer to Comment 1.
- 37. 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" shall be provided. (New Comment) The soil testing determined the water table to be at elevations 472.54 and 471.61. The proposed basin bottom elevation is 472.75 which does not provide a minimum of 24-inches. The basin should be revised. The location of the testing shall also be identified.
- 38. In accordance with Section 224.A.(2)(c), "the recharge facility shall be capable of completely infiltrating the recharge volume within four (4) days." (New Comment) Basin infiltration time calculations shall be submitted.
- 39. In accordance with Section 226.10, the design of any stormwater detention facilities intended to meet the performance standards of this Part shall be verified by routing the design storm hydrograph through these facilities using the Storage-Indication Method. (New Comment) Hydrographs for all storm events shall be provided for review.
- 40. 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." (New Comment) Emergency spillway calculations must be submitted for review.
- 41. In accordance with Section 233.B.(7), the stormwater management plan shall include "soil names, boundaries, hydrologic soil group, and limitations." (New Comment) The existing soils must also be delineated and labeled on Exhibits 1B, 2B, and 5B in the Engineer's Report and Stormwater Narrative. Additional review will be completed upon receipt of revised exhibits.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 9 of 10

- 42. In accordance with Section 233.B.(18), the stormwater management plan shall include "overland drainage patterns and swales." (New Comment) The drainage area for 3N must be shown in its entirety on Exhibit 2B.
- 43. In accordance with Section 233.B.(19), the stormwater management 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." (New Comment) An easement permitting access to the proposed infiltration basin shall be provided for access by the Township for inspection, maintenance, and repairs at no cost to the Township.
- 44. In accordance with Section 233.B.(22), the stormwater management plan shall include "a statement, signed by the applicant, acknowledging that any revision to the approved drainage plan must be approve by the Township and that a revised erosion and sediment control plan must be submitted to the Conservation District for a determination of adequacy". (New Comment) The required note must be provided on a plan to be recorded.
- 45. In accordance with Section 233.B.(23), the stormwater management 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 the applicable Act 167 plan] and Smithfield Township Stormwater Management Ordinance."

(New Comment) The required signature block shall be placed on the plan.

MISCELLANEOUS COMMENTS

- 46. Previous Comment 24 satisfied.
- 47. Previous Comment 25 satisfied.
- 48. The Applicant shall discuss whether Airstrip Road will remain a private roadway. A copy of the deed referenced in General Note 2 on Sheet 1B should also be submitted. (Previous Comment 26) The response indicates that the Applicant intends to offer Airstrip Road for dedication to Smithfield Township.
- 49. Previous Comment 27 satisfied.
- 50. On Sheet 2A, the Typical Street Detail, Typical Street Cross Section proposed 1½-inches of wearing course placed on top of the existing paved road with no milling. Additional detail(s) shall be provided on the plan. (Previous Comment 27) Milling of the existing pavement must still be provided as part of the pavement overlay in the Typical Street Detail.
- 51. On Sheets 2B and 2C, the plan view labels the existing storm sewer at Station 13+00 as a "15 HDPE/CMP" while the profile view labels it an "18CMP". The plan or profile shall be revised. (Previous Comment 29) The plan view now specifies the existing pipe as "18 HDPE/CMP" and the profile specifies it as an "18 CMP". The plan or profile must be revised accordingly.

Smithfield Township Board of Supervisors Stroudsburg Pocono Airpark, LLC Airstrip Road Expansion Engineering Sketch Plan Review No. 2 March 4, 2020 Page 10 of 10

- 52. Previous Comment 30 satisfied.
- 53. Previous Comment 31 satisfied.

PLAN REVISION COMMENTS

- 54. The invert of the proposed discharge pipe listed in the Summary for Pond 3.1P is inconsistent with the Infiltration Basin 3.1P Control Inlet I3.2 Detail on Sheet 3A. The summary or detail shall be revised accordingly. (New Comment)
- 55. The Lighting Schedule on Sheet 4 lists two (2) proposed lights. Five (5) proposed lights are shown on the plan and the Lighting Schedule must be revised accordingly. (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 plan.

In order to facilitate an efficient re-review of revised plans, the Design Engineer shall provide a letter, addressing item by item, their action in response to each of our comments.

If you should have any questions regarding the above comments, please call me.

Sincerely,

on S Tresslar, P.E., P.L.S.

Township Engineer

JST/mep/cg

Cc: Ronold J. Karasek, Esquire, Smithfield Township Solicitor Ken Wolf, Smithfield Township Zoning Officer Brick Linder, P.E., Linder Engineering, Inc. – Design Engineer Stroudsburg Pocono Airpark, LLC – Property Owner/Developer

Montgomery County Conservation District

Melissa E. Prugar, P.E. - Boucher & James, Inc.

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AN EMPLOYEE OWNED COMPANY

INNOVATIVE ENGINEERING

June 16, 2020

Smithfield Township Planning Commission 1155 Red Fox Road East Stroudsburg, PA 18301

SUBJECT: VERIZON WIRELESS - MAGICK CAULDRON

FINAL LAND DEVELOPMENT PLAN REVIEW NO. 1

SMITHFIELD TOWNSHIP, MONROE COUNTY, PENNSYLVANIA

PROJECT NO. 2032210R

Dear Planning Commission Members:

Pursuant to the Township's request, we have completed our first review of the Land Development Plan Application for Verizon Wireless. The submitted information consists of the following items.

- Submission Cover Letter to Smithfield Township prepared by Rettew, dated April 7, 2020.
- Waiver Request letter prepared by Rettew, dated April 7, 2020.
- Smithfield Township Application for Review of a Subdivision or Land Development Plan.
- Submission Cover Letter to Monroe County Conservation District prepared by Rettew, dated April 7, 2020.
- Submission Cover Letter to Monroe County Planning Commission prepared by Rettew, dated April 7, 2020.
- MCPC Subdivision and Land Development Review Checklist.
- Erosion & Sedimentation Pollution Control Report prepared by Rettew, dated March 31, 2020.
- Post Construction Stormwater Management Report prepared by Rettew, dated March 31, 2020.
- Site Evaluation for Stormwater Infiltration prepared by Rettew, dated March 31, 2020.
- E&S Control and Stormwater Management Plans (4 sheets) prepared by Rettew, dated March 16, 2020.
- Final Land Development Plan (7 sheets) prepared by Rettew, dated March 16, 2020.

BACKGROUND INFORMATION

The Applicant, Verizon Wireless, is proposing a land development on the western side of Airport Road approximately 450 feet north of its intersection with Milford Road (Business Route 209). (Parcel Nos. 16/7/1/35 and 16/7/1/36 & 37) The property is located within the M-1, Industrial Zoning District.

The existing property has a gross area of 7.299 acres (7.193 acres net) and consists of an existing building with associated parking lot and driveway taking access from Airport Road. The remainder of the existing property consists of woodland and meadow areas.

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
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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

Smithfield Township Planning Commission Final Land Development Plan Review No. 1 June 16, 2020 Page 2 of 10

The proposed land development will consist of the construction of a monopole wireless tower with driveway access from the existing site driveway. The tower will be enclosed by a chain link fence and proposed landscaping. A 20-foot wide access easement and a 75-foot square lease area are proposed.

Based upon our review of the Final Land Development Plan, we offer the following comments and/or recommendations for your consideration.

ZONING ORDINANCE COMMENTS

1. In accordance with the Schedule of District Regulations, the front, side, and rear yards must be 50-feet, 20-feet, and 20-feet, respectively. The plan shows the front, side, and rear yards crossing over and into three (3) existing properties. The yards shall be shown for the project site only and the Zoning Data shall be revised to list the existing setbacks as dimensioned on the plan. In addition, the required side yard listed under the Zoning Data on Sheet 1 and the rear yard shown in plan view are incorrect and must be revised.

The existing building on the project site crosses into the side yard and across the existing property shared with Parcel No. 16/7/1/36 & 37. This is an existing non-conformity that will not be affected by the proposed land development.

- 2. In accordance with the Schedule of District Regulations the minimum lot area is 2 acres and the maximum building coverage is 35%. The Zoning Data provided on Sheet 1 shall be revised to provide the lot area and building coverage for the project site.
- 3. In accordance with Section 401.1.C, the maximum impervious area in the M-1, Industrial Zoning District is 70%. The Zoning Data provided on Sheet 1 shall be revised to provide the impervious area for the project site.
- 4. In accordance with Section 401.3.E.(2), "all applications for land development approval in areas where very steep slopes are proposed to be disturbed or where forty (40%) percent or more of the lot area exceeds fifteen (15%) percent slope shall be considered and processed as conditional uses." Very steep slopes are proposed to be disturbed; therefore, a conditional use is required.
- 5. A communication tower is not listed under Section 402, Schedule II, Regulations for Off-Street Parking Spaces. In accordance with footnote 3, "for any use not specifically listed, the Zoning Officer shall apply the requirements of that listed use which he determines to be most similar." One parking space is proposed. The Township shall determine if one (1) parking space is adequate for the proposed use.
- 6. 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." The proposed loading space is gravel and the plan must be revised to provide a paved loading space.
- 7. In accordance with Sections 403.O and 502.6.A, off-street parking areas, and areas of intensive pedestrian use shall be adequately lighted. All such lighting shall be designed and located so as to direct light away from adjacent residences. Any lighting for exterior environments should

Smithfield Township Planning Commission Final Land Development Plan Review No. 1 June 16, 2020 Page 3 of 10

be arranged to minimize uncontrolled light, glare, overlighting, light trespass and sky glow. It does not appear lighting is proposed. Lighting shall be provided.

- 8. In accordance with 1104.C and the Height Limitation ad Zoning District Map, the project appears to be located within the Horizontal Surface Zone. Per Section 1105.C, the Horizontal Surface Zone is "established at one hundred fifty (150) feet above the established airport elevation or at a height of six hundred thirty (630) feet above mean sea level." The Applicant shall provide information regarding the height of the proposed communication tower versus the elevation of the existing airport to determine if the height of the tower is within the limits of Section 1105.C. If the height exceeds that permitted by Section 1105.C, a variance will be required per Section 1107.1.
- 9. In accordance with Section 1106.2, "notwithstanding any other provisions of this Part, no use may be made of land or water within any zone established by this Part in such a manner as to create electrical interference with navigational signals or radio communication between the airport and aircraft, make it difficult for pilots to distinguish between airport lights and others, result in glare in the eyes of pilots using the airport, impair visibility in the vicinity of the airport, create bird strike hazards, or otherwise in any way endanger or interfere with the landing, takeoff or maneuvering of aircraft intending to use the airport." This must be addressed by the Applicant.

SUBDIVISION AND LAND DEVELOPMENT COMMENTS

- 10. In accordance with Section 401.1, a preliminary and final plan submission is required for the proposed land development. A waiver from Section 602 is requested. The waiver shall be revised to reference Section 401.1. Given the extent of the proposed development we have no objection to a preliminary/final plan submission.
- 11. In accordance with Section 703.C, "all final plans shall address the conditions of preliminary plan approval" provided in Sections 601 through 604. *Refer to Comments 12 through 28*.
- 12. In accordance with Sections 602.C and 702.C, the applicant/developer shall submit two (2) electronic copies (one (1) in Auto CAD format and one (1) in PDF format) of the final plan on durable media such as CDs or DVDs. In addition to subsequent paper submissions, electronic copies shall also be provided.
- 13. 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 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.
- 14. In accordance with Section 603.A.(3), the plan shall include "the parcel identification number, reference to the deed book and page number of the recorded subdivision and the name of the

Smithfield Township Planning Commission Final Land Development Plan Review No. I June 16, 2020 Page 4 of 10

Township, County and State in which the property is located." The deed book and page number listed for Parcel No. 16/117447 on Sheet 1 is inconsistent with that listed in plan view on Sheet 2. The plan must be revised for consistency.

- 15. 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 title report shall be submitted.
- 16. 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. The following outside agencies shall review the proposed Final Land Development Plan. A copy of their reviews and/or approvals must be provided to the Township.
 - a. Smithfield Township Fire Company
 - b. Monroe County Planning Commission Submission cover letter dated April 7, 2020 was provided with this submission.
 - c. Monroe County Conservation District Erosion and Sedimentation Control A review of the erosion and sedimentation control plan was issued by the Monroe County Conservation District on May 18, 2020.
 - d. Any licensure required from the Federal Communications Commission, the PA Public Utility Commission, FAA, PA Bureau of Aviation, and/or any other agency (state and/or federal) and related to the proposed communication tower.
- 17. 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 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 Supervisors shall determine if a community impact analysis will be required.
- 18. In accordance with Sections 603.B.(2) and 603.D.(1), dimensions shall be in feet and decimal parts thereof, and bearings shall be in degrees, minutes, and seconds. All radii, arc and chord lengths and central angles of curves shall be indicated. Where the size or magnitude of the plan does not allow the labeling of the curves along the property lines a table can be used with reference back to curves. Metes and bounds must be provided along property lines shared with Parcel Nos. 16/7/1/36 & 37 and 16/117447, and along Airport Road. In addition, on Sheet 6, the bearings and distances for lines L1, L2, L3, and L4 around the 75-foot square lease area are not provided on the plan. Also, for clarity, the line and curve tables shall be labeled as descriptions for the existing property line and easement lines accordingly. Additional review will be provided upon receipt of revised plans.

Smithfield Township Planning Commission Final Land Development Plan Review No. 1 June 16, 2020 Page 5 of 10

- 19. In accordance with Section 603.B.(3), "the sheet or sheets shall be a minimum of twenty-four (24) inches by thirty-six (36) inches or larger sizes allowed for recordation purposes. 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. A waiver is requested from Section 603.B.(3) to allow the utilization of a plan sheet size of 34-inches by 22-inches. Given the scale of the project and clarity of the plan we have no objection to this request.
- 20. In accordance with Section 603.C, Site Context Map, "a map showing the location of the proposed subdivision or land development within its neighborhood context shall be submitted." A site context map shall be provided in the plan set.
- 21. In accordance with Sections 603.D.(2) and 603.D.(10), the Existing Conditions Plan (Sheet 2) "shall be prepared as an overlay on top of aerial photography of the site." "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." An aerial photograph with reference to its source shall be provided in the plan set.
- 22. In accordance with Section 603.D.(12), the Existing Conditions Plan (Sheet 2) shall include "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 location of the existing water and sewer services shall be shown on the Existing Conditions Plan, Sheet 2.
- 23. In accordance with Section 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." The area of existing woodlands and disturbance of the existing woodlands shall also be listed on the Existing Conditions Plan (Sheet 2).
- 24. In accordance with Section 603.G.(11), the plan shall include "the location of proposed monuments." Proposed monuments and/or markers must be shown on the plan and shall be placed in accordance with Section 1025.
- 25. 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 for the largest truck to access the project site, including for the construction of the proposed communication tower, shall be provided.

Smithfield Township Planning Commission Final Land Development Plan Review No. 1 June 16, 2020 Page 6 of 10

- 26. In accordance with Sections 603.G.(15), 1020 and 1024.18, a lighting plan in accordance with the requirements of this Chapter and the Smithfield Township Zoning Ordinance [Chapter 27] shall be submitted. All parking lots and nonresidential developments shall be adequality lit during after-dark operating hours and shall be in accordance with Section 1018. No lighting is proposed, and a lighting plan shall be submitted for review.
- 27. In accordance with Sections 603.G.(17) and 1302.1.E.(1), a soil erosion and sedimentation plan is required. 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 less than one (1) acre. A review of the erosion and sedimentation control plan was issued by the Monroe County Conservation District on May 18, 2020. The following are comments based upon our review of the E&S and Stormwater Management Plan (Sheets ES-1 to ES-4).
 - a. A rock filter shall be placed at the terminus of the proposed swale along the western edge of the limit of disturbance. A rock filter detail shall also be provided on the plan.
 - b. The York County Conservation District is referenced in Note 34 under the General Sediment and Erosion Control Methods/Procedures on Sheet ES-4. Note 34 must be revised.
 - c. On Sheet ES-4, the construction entrance and proposed gravel driveway are shown over the existing bituminous driveway. If the existing bituminous driveway is to be removed, the plan shall clearly show it as to be removed and its removal shall be included in the Construction Sequence.
- 28. In accordance with Section 603.G.(21), the plan must 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 Certification of Plan Accuracy on Sheet 1 must be revised to include all applicable Township ordinances and regulations.
- 29. In accordance with Section 1002.7.F, "natural areas containing rare or endangered plants and animals, as well as other features of natural significance exist throughout the Township. Some of these have been carefully documented (e.g., by the Statewide Natural Diversity Inventory), whereas for others, only the general locations are known. Subdivision applicant/developers shall take all reasonable measures to protect significant natural areas and features either identified by the Township Map of Potential Conservation Lands or by the applicant/developer's Existing Resources and Site Analysis Plan by incorporating them into proposed conservation open space areas or avoiding their disturbance in areas proposed for development." A PA Department of Conservation and Natural Resources PNDI search shall be completed. The search and any required clearance letters shall be provided to the Township.

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- 30. In accordance with Section 1019.2, "all utilities shall be placed underground where practical due to rock". A note to this effect must be placed on the plan.
- 31. In accordance with Section 1024.11, all automobile parking areas shall be paved and constructed in accordance with Township specifications. The proposed parking space shall be paved, and the plan shall be revised accordingly.
- 32. In accordance with Section 1101.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 of trees and shrubs indicated in this Section." A note to this effect must be placed on the plan.
- 33. In accordance with Section 1101.A.(6), "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." Note 4 in the Evergreen Shrub Planting Detail on Sheet 4 must be revised accordingly.
- 34. In accordance with Section 1101.A.(7), "the applicant/developer shall contact the Township in writing to request a final inspection for acceptance at the end of the guaranty period. These inspections will be performed when plant materials are in full leaf only (May 1 through November 15). All guaranty escrow funds will be released upon acceptance at the end of the guaranty period. The guaranty will be extended until thirty (30) days after receipt of the request letter following May 1. Should the end of the guaranty period occur after November 15, the guaranty period shall be extended to May 15." A note to this effect must be placed on the plan.
- 35. In accordance Sections 1101.1.C.(1)(c) and 1101.1.C.(2)(c), street trees are required along existing streets and 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. In addition, and in accordance with Section 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." Vegetation exists along Airport Road. The Applicant shall investigate the existing vegetation and address whether it meets the requirements of Section 1101.1.C.(2)(e). Additional street trees may be required.
- 36. In accordance with Sections 1501.3 and 1501.5, "applicants/developers shall be required to construct or pay for the construction of, at the option of the Township those on- and off-site public improvements, or portions thereof, which the Township determines bear a rational nexus to the needs created by and the benefits conferred upon, the subdivision or development". "Where the Board of Supervisors determines that it is not feasible to construct the required improvements at the time of development, funds can be put in an escrow account sufficient to

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cover the cost of required improvements, to be constructed at a later date". A construction cost estimate shall be submitted for review.

STORMWATER MANAGEMENT ORDINANCE COMMENTS

The existing property is located within the B-1 Stormwater Management District of the Brodhead Creek Watershed. The unnamed tributary of the Sambo Creek is the receiving water and has a Chapter 93 classification of Cold Water Fishery with Migratory Fishes (CWF/MF).

- 37. In accordance with Section 226.4, times of concentrations for overland flow shall be calculated using the methodology presented in Chapter 3 of <u>Urban Hydrology for Small Watersheds</u>, NCRS, TR-55 (as amended or replaced from time to time by NRCS). Per the TR-55 manual, the minimum time of concentration shall be 6 minutes. The time of concentration utilized in the Post A1 hydrograph must be revised.
- 38. In accordance with Sections 228.1, 233.A.(4), 233.A.(20), and 233.C.(2), any earth disturbance must be conducted in conformance with Chapter 102. The proposed limit of disturbance is less than one (1) acre. A review of the erosion and sedimentation control plan was issued by the Monroe County Conservation District on May 18, 2020. Refer to Comment 27 for comments based upon our review of the E&S and Stormwater Management Plan (Sheets ES-1 to ES-4).
- 39. In accordance with Section 233.A.(22), "a statement, signed by the applicant, acknowledging that any revision to the approved drainage plan must be approved by the Township that a revised erosion and sediment control plan must be submitted to the Conservation District for a determination of adequacy." The required statement must be provided on the plan.

STORMWATER MANAGEMENT AND STORM SEWER DESIGN COMMENTS

- 40. Proposed Stone Trench A2 is located under the proposed gravel driveway and will become compacted over time. This will result in reduced infiltration and ultimately ponding and downstream flooding. The proposed stone trench shall be relocated.
- 41. The proposed grading provides sheet flow toward and across the Proposed Stone Trenches A1 and A2. A berm shall be provided on the downslope side of each proposed stone trench to ensure stormwater is collected and infiltrated as demonstrated in the calculations. This may result in ponding and the trenches may need to be relocated away from the proposed gravel driveway and communication tower compound.
- 42. The depth and top elevation of Proposed Stone Trench A1 utilized in the pond report are inconsistent with those listed in the plan view on Sheet ES-1 and in the Stone Trench A1 Detail on Sheet ES-3. The pond report or plan shall be revised.
- 43. The depth and top elevation of Proposed Stone Trench A2 utilized in the pond report are inconsistent with those listed in the plan view on Sheet ES-1 and in the Stone Trench A2 Detail and the Stone Trench A2 Profile on Sheet ES-3. The pond report or plan shall be revised.
- 44. The top elevation of Proposed Stone Trench A2 is set at 524.60 (per the pond report) and does

Smithfield Township Planning Commission Final Land Development Plan Review No. 1 June 16, 2020 Page 9 of 10

not allow for the required depth of 2A stone along the proposed gravel driveway. The stone trench or grading shall be revised accordingly.

45. The Specific Operation and Maintenance Notes shall be revised to reflect the operation and maintenance requirements of the subsurface infiltration bed and infiltration trench per the PADEP BMP Manual.

MISCELLANEOUS COMMENTS

- 46. Due to the close proximity of the proposed communication tower to the existing airport and existing industrial building, a report of the safety of the tower shall be provided by the Applicant. The report shall address the following items. All data shall be provided with reference to sources and/or independent and reputable testing organization(s), such as The American Society of Testing and Materials (ASTM), or similar.
 - a. Breakaway aspects and failure of the communication tower shall be addressed. The proposed communication tower is 95-feet high (100-feet with the lightning rod). The closest building is approximately 78-feet to the northwest. Should the communication tower fail the existing building and occupants may be impacted.
 - b. Structural calculations shall be submitted to the Township. The calculations shall include wind, ice/snow, and seismic loads.
 - c. There is concern with potential collisions related to air navigation, the active parachute school, and Medivac helicopter. "No hazard" or "no obstruction" letter(s) from the FAA and PA Bureau of Aviation referencing the proposed 100-foot high communication tower shall be provided to the Township. The "no hazard" or "no obstruction" letters shall reference all uses of the airport and within the vicinity of the airport, including air navigation, skydiving operations, Medivac helicopter access to the existing helipad, etc.
 - d. FAA required lighting shall be shown and/or noted on the plan.
 - e. Documentation that the communication tower is best suited in the proposed location as it relates to reception of users shall be provided to the Township.
 - f. The Applicant shall provide evidence that the proposed communication tower will not interfere with existing radio, television, telephone or reception of similar signals of nearby properties, including, but not limited to the existing airport.
- 47. Future antennae are shown in the Tower Elevation on Sheet 4. Will these antennae be utilized for private services or will they be offered for use by emergency services?
- 48. Any signage placed at the facility shall be detailed and/or noted with the signs' language on the plan.
- 49. Smithfield Township should consider a time frame as to when the communication tower should

Smithfield Township Planning Commission Final Land Development Plan Review No. 1 June 16, 2020 Page 10 of 10

be removed upon failure or abandonment of said tower. A financial guarantee should be provided for the tower's removal should failure or abandonment occur.

- 50. The material and color of the proposed communication tower shall be addressed. In addition, the top of the tower extends above the existing tree line. Will the tower be camouflaged to resemble the existing trees?
- 51. The Applicant shall address security of the proposed communication tower compound. Will the gate be equipped with locks and/or will the communication tower ladder and supporting structures be locked?
- 52. The proposed stormwater management best management practices are not shown on the Land Development Plan. Plan sheets ES-1 through ES-4 show proposed erosion and sedimentation controls and stormwater management best management practices. Sheets ES-1 through ES-4 shall be incorporated into the Land Development Plan set for recording purposes.
- 53. On Sheet 5, the driveway cross slope shown in plan view is approximately 5 percent. The plan indicates a 2 percent slope is proposed. Spot elevations must be provided on the plan to ensure a 2 percent slope is constructed.
- 54. On Sheet 7, the Fence Detail specifies a 1.5-foot high barbed wire, however the plan view notes 1-foot high barbed wire. The plan or detail must be revised. In addition, the color of the chain link fabric must also be specified in the Fence Detail.

We recommend the above comments be addressed to the satisfaction of Smithfield Township prior to approval of the Minor Subdivision 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 call me.

Sincerely,

Jon S. Tresslar, P.E., P.L.S.

Township Engineer

JST/mep/cg

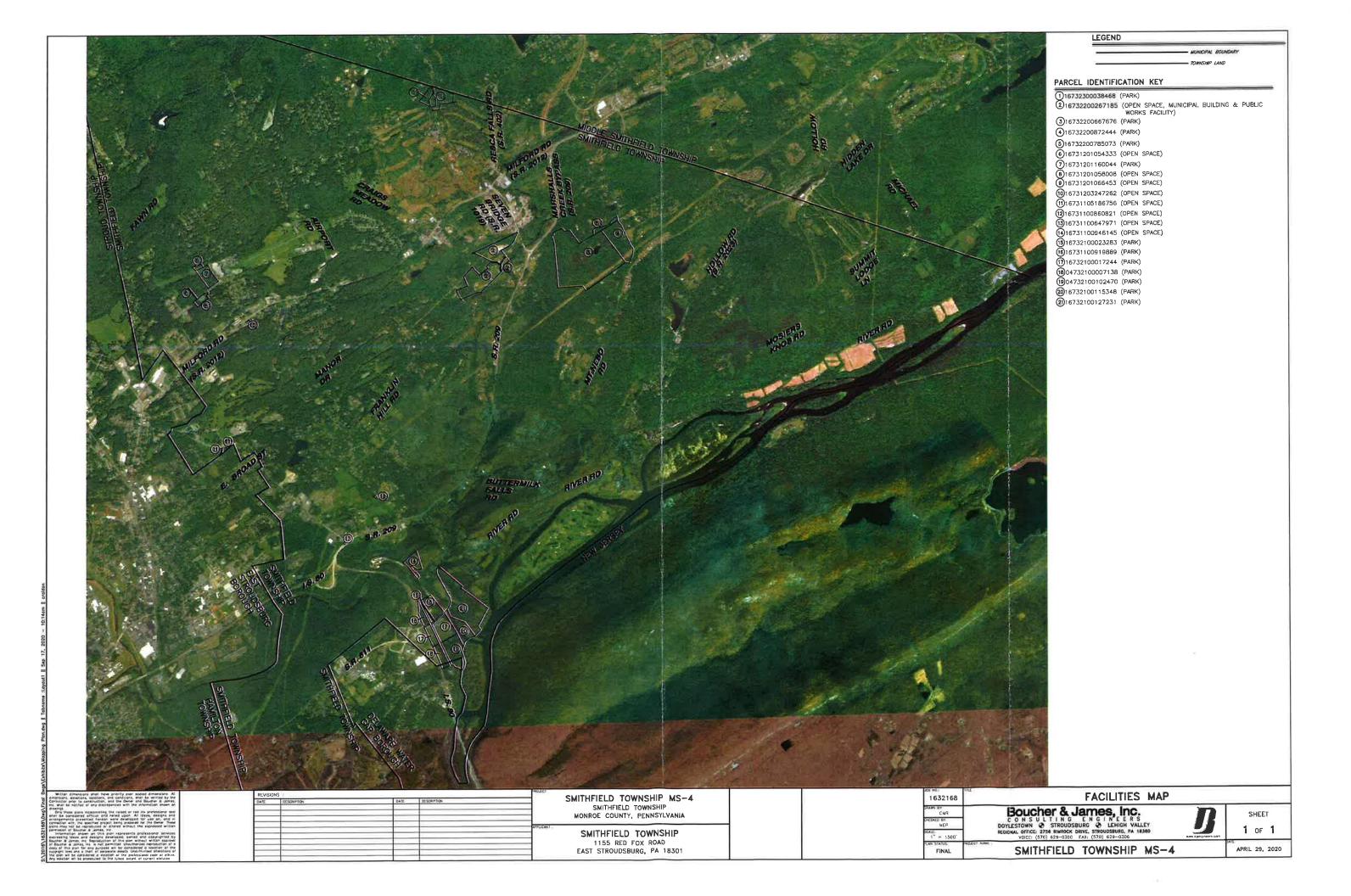
cc: Ronold J. Karasek, Esquire, Smithfield Township Solicitor Ken Wolf, Smithfield Township Zoning Officer Andrew J. Miller, Rettew – Applicant's Engineer Verizon Wireless – Applicant

Steve Somers, RR2 Airport Road, LLC - Property Owner

Minimum Control Measure #5 Post Construction Stormwater Management in New Development and Redevelopment

Minimum Control Measure #5 Construction Site Stormwater Runoff Control				Smithfield Township 1632168 June 30, 2020
Project	NPDES Permit No.	ВМР Туре	Township Approval Status	Construction Status
Dollar General	PAG2004515001	Basin	Approved	Constructed
Life Storage		Detention Beds and Swale	Approved	Constructed
Vigon International	PAD450092	Infiltration Basin	Approved with Conditions	Pending
Airstrip Road Expansion	Under Review	Rain Garden	Approved with Conditions	Pending
Verizon Wireless Magick Cauldron		Infiltration Trench	Under Review	Pending

Minimum Control Measure #6 Pollution Prevention/Good Housekeeping



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
 - o Being aware to watch for illicit discharges as you perform you 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:
 - O 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.
 - O 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.

- O 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: 9-28-20 TIME: 2:45 PM

	PRINTED NAME	SIGNATURE
1.	Patrick Norman	1//
2.	Josh Craver	Med
3.	Bill Graffin	Bil South
4.	Norb Erichsen	2
5.	Jeremy Popecki	Jamy by d'
6.	SoftMarke	EZ Molarmack
7.		
8.		
9.		
10.		