2024 Annual MS4 Report -	- General Informat	tion			R		is: in Prog
ermittee: WRIGHTSTOWN	TWP BUCKS CNTY	<b>Y</b> NPDES P	Permit No.: PAG130043				
Facility Name: WR Facility Address: 220 Facility ID: 636 County: Buc Municipality: Wrig Effective Date: 04/7 Expiration Date:	IGHTSTOWN TOWNS 3 SECOND STREET P 818 ks ghtstown Twp 18/2019	SHIP MS4 PIKE, WRIGH	ITSTOWN, PA, 18940	MS4 Contact: <b>G</b> Title: <b>II</b> Phone: <b>2</b> Email: <b>n</b>	GREGG S NTERIM 15-598-3 nanager	CHUSTER TWP MANA 3313 @wrightsto	GER wnpa.org
Reflewal Due Date. 09/2							
Back			Update F	acility Informat	tion	Coi	ntinue
opendix Selection u must review each append	lix and select the ap	opropriate a	ppendices below.				
opendix Selection u must review each append Appendix A A A ater Quality Information	lix and select the ap Appendix B Module 📀	ppropriate a	ppendices below.	D 📝 App	pendix E	,	Appendix
ppendix Selection u must review each append Appendix A A Ater Quality Information the there any discharges to wa entify all surface waters that re ecceiving Water Name	lix and select the ap Appendix B Module aters within the Che eceive stormwater di Ch. 93	opropriate a Appendix esapeake Ba ischarges fro	ppendices below.	D S App No	equestec DL	d information	Appendix n. Actic
pendix Selection  u must review each append  Appendix A  A  A  A  A  A  A  A  A  A  A  A  A	lix and select the ap Appendix B Module aters within the Che eceive stormwater di Ch. 93 Class	ppropriate a Appendix esapeake Ba ischarges fro Impaired Yes	ppendices below.	D Siltation Yes	pendix E equestec DL	d information WLA No	Appendix n. Actic
pendix Selection  a must review each append Appendix A A A A A A A A A A A A A A A A A A A	Iix and select the ap Appendix B Module aters within the Che eceive stormwater di Ch. 93 Class WWF, MF	opropriate a Appendix esapeake Ba ischarges fro Impaired Yes Yes	ppendices below. C Appendix ay Watershed? () Ye om the permittee's MS4 a Cause(s) Nutrients, Pathogens, a Siltation	D App s No and provide the re TMI Siltation Yes No	equestec <b>DL</b>	d information WLA No No	Appendix n. Actic
pendix Selection  u must review each append  Appendix A  Appendix A  A  ater Quality Information  a there any discharges to wa  ntify all surface waters that re  eshaminy Creek  richo Creek  NT to Jericho Creek	Iix and select the ap Appendix B Module aters within the Che eceive stormwater di Ch. 93 Class WWF, MF WWF, MF	ppropriate a Appendix Appendix esapeake Ba ischarges fro Impaired Yes Yes No	ppendices below.	D Mo s No Siltation Yes No No	equestec DL	d information WLA No No No	Appendix n. Actic
pendix Selection  I must review each append Appendix A  Appendix A  ter Quality Information  ter Quality Information  there any discharges to wa  there any discharges to	Iix and select the ap Appendix B Module aters within the Che eceive stormwater di Ch. 93 Class WWF, MF WWF, MF	ppropriate a Appendix esapeake Ba ischarges fro Impaired Yes Yes No No	ppendices below.	D Mo s No and provide the re TMI Siltation Yes No No	equestec DL	d information WLA No No No No No No	Appendix Actic Actic Actic

General Minimum Control Me	asure (MCM) Information Mo	dule 🗸		~
Have you completed all MCM act	ivities required by the permit fo	or this reporting period?	🖲 Yes 🔵 No	
List the current entity responsible	e for implementing each MCM of	your SWMP, along with contac	t names and phone numbers	;.
мсм	Entity Responsible	Contact Name	Phone Number	
#1 Public Education and Outreach on Stormwater Impacts	Wrightstown Township	GREGG SCHUSTER	215-598-3313	+Add
#2 Public Involvement / Participation	Wrightstown Township	GREGG SCHUSTER	215-598-3313	+Add
#3 Illicit Discharge Detection and Elimination (IDD&E)	Wrightstown Township	GREGG SCHUSTER	215-598-3313	+Add
#4 Construction Site Stormwater Runoff Control	Wrightstown Township	GREGG SCHUSTER	215-598-3313	+Add
	BCCD	BCCD	215-345-7577	Ē
	PA DEP	PA DEP	484-250-5900	Ē
#5 Post-Construction Stormwater Management in New Development and Redevelopment	Wrightstown Township	GREGG SCHUSTER	215-598-3313	+Add
	BCCD	BCCD	215-345-7577	Ē
	PA DEP	PA DEP	484-250-5900	Ō
#6 Pollution Prevention / Good Housekeeping	Wrightstown Township	GREGG SCHUSTER	215-598-3313	+Add
			Complete	Module
MCM #1 – Public Education &	Outreach on Stormwater Imp	pacts Module		~
BMP #1: Develop, implement an	d maintain a written Public Edu	cation and Outreach Program		
1. For new permittees only, has t year of permit coverage?	he written PEOP been develope	d and implemented within th	e first Not Applicable	
2. Date of latest annual review o	f <b>PEOP:</b> 06/28/2024	🗰 Were upda	tes made? 🔿 Yes 🔵	Νο

To continue to provide stormwater an Access Channel, have pamphlets avai Grading and Zoning Permit Applicatio Board of Supervisors.	d MS4 related information on the Township webs lable to the public at the Township offices, distrib ons and to discuss stormwater and MS4 related it	site and on the Township Cable bute information with Building, ems at public meetings of the
		Characters Remaining: 3636
Did the MS4 achieve its goal(s) for the PI	EOP during the reporting period?	Yes
dentify specific plans and goals for publ	ic education and outreach for the upcoming year:	
The goal of the public education prog Township so that they will have an ind on local and downstream waterways lakes, and rivers. The following steps stormwater related information at pu	gram is to provide stormwater education to reside creased awareness about stormwater and the imp and be encouraged to help the Township reduce p will be taken to move toward achieving the goal: i blic meetings, provide educational information of	nts and businesses within the bacts of stormwater discharges pollutants to our streams, include discussions of MS4 and n the Township Website and
		Characters Remaining: 3304
ለP #2: Develop and maintain lists of targ	et audience groups present within the areas served	by your MS4.
or new permittees only, have the target first year of permit coverage?	audience lists been developed and implemented wit	thin No
Date of latest annual review of target dience lists:	06/28/2024 🗰 Were update	25 made? 🔿 Yes 🖲 No
4P #3: Annually publish at least one edu	cational item on your Stormwater Management Prog	Iram.
or new permittees only, were stormwate blished in print and/or on the Internet w	er educational and informational items produced and ithin the first year of permit coverage?	Not Applicable
Date of latest annual review of lucational materials:	06/28/2024 Were update	es made? 🔿 Yes 🖲 No
Do you have a municipal website? 🛛 🗢	Yes () No	
URL: https://wrightstownpa.org		
• If <u>Yes</u> , what MS4-related material does	it contain?	
The Township website has a dedicate the MS4 Stormwater Management Pr titled "When it Rains, it Drains", "After Construction Industry should know a Stormwater Inlets" and "Swimming P	d page for Storm Water. (Appendix B). The web pa ogram and the 6 minimum control measures. The the Storm", "Make your Home the Solution to Sto bout Stormwater", "A Guide to Yard Waste and Law ool Water Discharge Guidelines." The webpage als	age includes a description of ere are links to the pamphlets ormwater Pollution", "What the wn Care", "No Dumping to so includes a section from the Characters Remaining: <b>311</b>
Describe any other method(s) used durir	ng the reporting period to provide information on sto	ormwater to the public:
In addition to the website, the Towns Township's Facebook page and Nesha are registered for the Association's er	hip has stormwater related information available aminy Creek Watershed Association sent an educa nails. (See Appendix C) The Township provides sto	at the Township Office and on the ational newsletter to those that prmwater information on the

Characters Remaining: 3616

IP #4: Distribute stormwater educational materials to the targentify the two additional methods of distributing stormwater of plays, posters, signs, pamphlets, booklets, brochures, radio, losters, presentations, conferences, meetings, fact sheets, gives As stated above, in addition to the website, the Township Office and on the Township Cable Access Channel. Additiopage.  CM #1 Comments:  N/A  CM #1 Attachments:  Ile Name Document Type  pp C - 2024 Newsletters & acebook.pdf (MS4/Report/GetDocument?) ocumentId=8721885)  DD - 2024 Cable TV	Characters Remaining the previous reporting period (boal cable TV, newspaper articles, other advertisements, bill staways, or storm drain stenciling).  had stormwater related information available at the Tow onally, information was provided on the Township's Facel Characters Remain Characters Remaining Characters Remaining Short Description	ng: 3757 (e.g., stuffers, vnship book ning: 761
IP #4: Distribute stormwater educational materials to the targentify the two additional methods of distributing stormwater or blays, posters, signs, pamphlets, booklets, brochures, radio, lotters, presentations, conferences, meetings, fact sheets, gives         As stated above, in addition to the website, the Township Office and on the Township Cable Access Channel. Addition page.         IM #1 Comments:         IM #1 Comments:         IM #1 Attachments:         III Name       Document Type         pp C - 2024 Newsletters & acebook.pdf         MS4/Report/GetDocument?         port D - 2024 Cable TV	Characters Remaining the previous reporting period (cocal cable TV, newspaper articles, other advertisements, bill staways, or storm drain stenciling).  had stormwater related information available at the Tow onally, information was provided on the Township's Facel  Characters Remaining  Characters Remaining  Characters Remaining  Short Description	ng: 3757 (e.g., stuffers, vnship book ning: 761 ng: 3997 Actior
IP #4: Distribute stormwater educational materials to the targentify the two additional methods of distributing stormwater oplays, posters, signs, pamphlets, booklets, brochures, radio, losters, presentations, conferences, meetings, fact sheets, gives         As stated above, in addition to the website, the Township Office and on the Township Cable Access Channel. Additipage.         CM #1 Comments:         N/A         CM #1 Attachments:         ile Name       Document Type         gp C - 2024 Newsletters & accebook.pdf         MS4/Report/CetDocument?         ocumentId=8721885)         nn D - 2024 Cable TV	get audiences.  educational materials during the previous reporting period ( bocal cable TV, newspaper articles, other advertisements, bill s aways, or storm drain stenciling).  had stormwater related information available at the Tow onally, information was provided on the Township's Facel  Characters Remain  Characters Remainin  Short Description  Newsletters & Facebook Posts	(e.g., stuffers, vnship book ning: 761
ntify the two additional methods of distributing stormwater of plays, posters, signs, pamphlets, booklets, brochures, radio, lo sters, presentations, conferences, meetings, fact sheets, gives As stated above, in addition to the website, the Township Office and on the Township Cable Access Channel. Additi- page. <b>CM #1 Comments:</b> N/A <b>CM #1 Attachments:</b> <b>IIE Name</b> <b>Document Type</b> <u>stormwater Education</u> <b>Stormwater Education</b> <b>Stormwater Education</b> <b>Stormwater Education</b> <b>Stormwater Education</b>	educational materials during the previous reporting period ( bocal cable TV, newspaper articles, other advertisements, bill s aways, or storm drain stenciling). had stormwater related information available at the Tow onally, information was provided on the Township's Facel Characters Remain Characters Remain Short Description	(e.g., stuffers, vnship book ning: 761 ng: 3997 Actior
As stated above, in addition to the website, the Township Office and on the Township Cable Access Channel. Additi- page. <b>X #1 Comments:</b> N/A N/A <b>X #1 Attachments:</b> <b>Ile Name</b> <u>Document Type</u> <u>pp C - 2024 Newsletters &amp;</u> <u>acebook.pdf</u> <u>(MS4/Report/GetDocument?)</u> <u>ocumentId=8721885)</u> D - 2024 Cable TV	Characters Remain Characters Remain Characters Remainin Short Description	ng: 3997
CM #1 Comments:         N/A         Stars         Ile Name       Document Type         .pp C - 2024 Newsletters & accebook.pdf         (MS4/Report/GetDocument? ocumentId=8721885)         nn D - 2024 Cable TV	Characters Remain Characters Remainir Characters Remainir Short Description Newsletters & Facebook Posts	ning: 761
CM #1 Comments:         N/A         :M #1 Attachments:         ile Name       Document Type         pp C - 2024 Newsletters & acebook.pdf         MS4/Report/GetDocument?         ocumentId=8721885)         pp D - 2024 Cable TV	Characters Remainir Short Description Newsletters & Facebook Posts	ng: 3997 Actior
ile Name     Document Type       pp C - 2024 Newsletters & acebook.pdf     Stormwater Education       MS4/Report/GetDocument?     Stormwater Education	Short Description	Actio
pp C - 2024 Newsletters & acebook.pdf MS4/Report/GetDocument? ocumentId=8721885)	Newsletters & Facebook Posts	
ocumentId=8721885)		Ō
nn D - 2024 Cable TV	Characters Remaining: 172	
lides.pdf (M56/Boport/Cot Document)	Cable TV Slides	Ō
ocumentId=8721896)	Characters Remaining: 185	
<u>pp A - 2024 PEOP.pdf</u> /MS4/Report/GetDocument?	PEOP 🔹	Ō
locumentId=8736781)	Characters Remaining: 196	
pp B - 2024 Website.pdf /MS4/Report/GetDocument?	Website 🔹	Ō
locumentId=8739561)	Characters Remaining: 193	
Drag and drop fil		

P #1: Develop, implement and maint	ain a written Public Involvem	ent and Participation Prog	ram (PIPP)
or new permittees only, was the PIPP erage?	developed and implemented	l within one year of permit	Not Applicable
Date of latest annual review of PIPP:	06/28/2024	🗰 Were update	s made? 🔿 Yes 🖲 No
IP #2: Advertise to the public and soli DL Plans (if applicable), including mo	icit public input on ordinance odifications thereto, prior to a	s, SOPs, Pollutant Reductic doption or submission to E	on Plans (PRPs) (if applicable) and SEP:
/as an MS4-related ordinance, SOP, P	RP or TMDL Plan developed c	luring the reporting period	? () Yes () No
<u>Yes</u> , describe how you advertised th dback:	e draft document(s) and how	you provided opportunitie	s for public review, input and
			Characters Remaining: 1000
an ordinance, SOP or plan was devel	loped or amended during the	reporting period, provide	the following information:
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name	loped or amended during the Date of Public Notice	reporting period, provide Date of Public Hearing	the following information: Date Enacted or Submitted to DEP Act
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name	loped or amended during the Date of Public Notice + Ac	reporting period, provide Date of Public Hearing	the following information: Date Enacted or Submitted to DEP Act
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name P #3: Regularly solicit public involver reach methods.	loped or amended during the Date of Public Notice + Ac ment and participation from t	reporting period, provide Date of Public Hearing Id	the following information: Date Enacted or Act Submitted to DEP Act
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name P #3: Regularly solicit public involver reach methods.	loped or amended during the Date of Public Notice + Ac ment and participation from t IS4 event must be held during ack from target audience gro	reporting period, provide Date of Public Hearing id the target audience groups g the 5-year permit coverag ups. Was this meeting or	the following information: Date Enacted or Act Submitted to DEP Act s using available distribution and ge
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name P #3: Regularly solicit public involver reach methods. least one public meeting or other M od to solicit participation and feedba nt held during the reporting period? <u>Yes</u> , Date of Meeting or Event:	loped or amended during the Date of Public Notice + Ac ment and participation from t IS4 event must be held during ack from target audience gro	reporting period, provide Date of Public Hearing id the target audience groups g the 5-year permit coverag ups. Was this meeting or	the following information: Date Enacted or Act Submitted to DEP Act
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name P #3: Regularly solicit public involver reach methods. : least one public meeting or other M od to solicit participation and feedba nt held during the reporting period? Yes, Date of Meeting or Event: eport instances of cooperation and p servation organizations; and similar i	loped or amended during the Date of Public Notice + Ac ment and participation from t IS4 event must be held during ack from target audience gro MM/DD/YYYY	The porting period, provide the aring the aring the target audience groups the target audience groups was this meeting or the permit coverage of the second permit coverage of the second permit coverage of the permit coverage of t	the following information: Date Enacted or Act Submitted to DEP Act s using available distribution and ge Yes No ee made to local watershed and tions in the community.
an ordinance, SOP or plan was devel rdinance/SOP/Plan Name P #3: Regularly solicit public involver reach methods. : least one public meeting or other M fod to solicit participation and feedba in held during the reporting period? Yes, Date of Meeting or Event: eport instances of cooperation and p servation organizations; and similar i The public was encouraged to part website and Facebook page during ssues during the Township's Board	Ioped or amended during the         Date of Public         Notice         + Ac         ment and participation from the         IS4 event must be held during ack from target audience groot         MM/DD/YYYY         participation in MS4 activities instances of participation or control in the public of Supervisors and commit	reporting period, provide Date of Public Hearing Id the target audience groups g the 5-year permit coverage ups. Was this meeting or presentations the permitt coordination with organization blic is provided opportun ttee meetings.	the following information: Date Enacted or Act Submitted to DEP Act susing available distribution and ge Yes No ee made to local watershed and tions in the community. n events through the Township nities to provide input on various

During the 2023-2024 reparting year, mambers of the sublic are welcome to ask questions antifing provide comment at any public meetings of the Township Board of Supervisors Rependle P). Readents were encouraged to participate in ecycling and/or hearing water collection events.         Characters Remaining: 3719         WKM #2 Comments         The required Public Meeting for the semit term was held March 20, 2019.         Characters Remaining: 3719         WCM #2 Attachments:         File required Public Meeting for the semit term was held March 20, 2019.         Characters Remaining: 3928         MCM #2 Attachments:         File Name       Document Type         Short Description       Action         App E-2022 Ref Meeting       Dublic Involvement/Pr         Public Involvement/Pr       Public Involvement & Participation P and Characters Remaining: Tell         App E-2022 Ref Meeting       Estimater Education         Minutes aff       Unscription Street Education         Minutes aff       Estimater Education         Minutes B738500       Estimater Education         Complete Module       Complete Module         Complete Module       Complete Module         Complete Module       Complete Module         Minutes B7385000       Complete Module         Complete Module       Complete Module         Minutes only, w	ncluding education activities or e	forts such as cleanups, monitorii	ng, storm drain stenciling, or others.	
Characters Remaining: 379 MCM #2 Comments:  The required Public Meeting for the sermit term was held March 28, 2013.  Characters Remaining: 322  MCM #2 Attachments:  File Name Document Type Short Description Action Action AppE : 2024 DIPE.odf (MSA/Report/CeTDocument) Public Involvement/D: Public Involvement	Durning the 2023-2024 repor- any public meetings of the To recycling and/or hazardous w	ting year, members of the publ wnship Board of Supervisors (/ aste collection events.	lic are welcome to ask questions and/or provide co Appendix F). Residents were encouraged to partic	omment at ipate in
Wd # 2 Comments:         The required Rubbic Meeting for the permit term was held March 20, 2019.         Characters Remaring. 3928         ACM # 2 Attachments:         File Name       Document Type         Short Description       Action         ADD E: 2024 DIP.bodf       Public Involvement & Participation Plan         (MSS/Repart/GelDocument)       Public Involvement /P.         Public Involvement & Barticipation Plan       Image: Characters Remaining. 161         ADD E: 2024 DIP.bodf       Public Involvement/P.         (MSS/Repart/GelDocument)       Public Involvement/P.         Characters Remaining. 161       Image: Characters Remaining. 163         ADD E: 2024 DIP.bodf       Image: Characters Remaining. 164         (MSS/Repart/GelDocument)       Image: Characters Remaining. 164         Image: Remaining. 165       Image: Characters Remaining. 166         Image: Remaining. 166       Image: Characters Remaining. 166         Image: Remaining. 167       Image: Characters Remaining. 166         Image: Remaining. 168       Image: Remaining. 166         Image: Remaining. 168       Image: Remaining. 166         Image: Remaining. 168       Image: Remaining. 166         Image: Remaining. 169       Image: Remaining. 166         Image: Remaining. 168       Image: Remaining. 166			Characters Rem	naining: <b>3719</b>
The required Public Meeting for the permit term was held March 28, 2019. Characters Remaining: 3928 ACM #2 Attachments: File Name Document Type Short Description Action App E: 2024 BIPP.pdf [M55/Report/GatDocument? Public Involvement/Pi Public Involvement/Pi Public Involvement/Pi Characters Remaining: 16  App E: 2024 BIPP.pdf [M55/Report/GatDocument? Beard of Supervisors Meeting Minutes ] Characters Remaining: 16  App E: 2024 BIPP.pdf [M55/Report/GatDocument? Beard of Supervisors Meeting Minutes ] Characters Remaining: 16  App E: 2024 BIP meeting Introduced Bit Type Of Supervisors Meeting Minutes ] Characters Remaining: 16  App E: 2024 BIP meeting Introduced Bit Type Of Supervisors Meeting Minutes ] Characters Remaining: 16  App E: 2024 BIP meeting Introduced Bit Type Of Supervisors Meeting Minutes ] Characters Remaining: 164  Complete Module  District Discharge Detection and Elimination (IDD&E)  District Discharge Discharge Discharge from those outfalls and, if  Displicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls  District Discharge District Discharge of District Discharge of District Discharges from those outfalls. Outfalls  District Discharge District Discharge of District Discharges of District Discharges from those outfalls. Outfalls  District Discharge of District Discharge of District Discharges from those outfalls. Outfalls  District Discharge	MCM #2 Comments:			
Characters Remaining: 3928 ACM #2 Attachments:  File Name Document Type Short Description Action App E 2024 PIPP.pdf (IMSA/Report/GetDocument2) Public Involvement/P. Public Involvement & Participation Plan Characters Remaining: 16  app E - 2024 BOS Meeting Immutes.pdf (IMSA/Report/GetDocument2) Characters Remaining: 16  app E - 2024 BOS Meeting Immutes.pdf (IMSA/Report/GetDocument2) Characters Remaining: 16  app E - 2024 BOS Meeting Immutes.pdf (IMSA/Report/GetDocument2) Characters Remaining: 16  app E - 2024 BOS Meeting Immutes.pdf (IMSA/Report/GetDocument2) Characters Remaining: 16  app E - 2024 BOS Meeting Immutes.pdf (Immutes.pdf) Characters Remaining: 16  Complete Module  Complete Module	The required Public Meeting	for the permit term was held M	1arch 28, 2019.	
ACM #2 Attachments:     File Name Document Type     Abp E: 2024 PDP pdf   (M55/Report/CetDocument)   Public Involvement/P:   Public Involvement & Participation Plan   (M55/Report/CetDocument)   Abp E: 2024 BDB Adding   Minutes add   Minutes add   (M55/Report/CetDocument)   Abp E: 2024 BDB Adding   Minutes add   Minutes add <th></th> <th></th> <th>Characters Rem</th> <th>aining: <b>3928</b></th>			Characters Rem	aining: <b>3928</b>
File Name       Document Type       Short Description       Action         App E- 2024 PIPE.pdf (MS4/Report/CetDocument2 documentd=8739568)       Public Involvement/P: Public Involvement & Participation Plan Characters Remaining: 161       Image: Characters Remaining: 161       Image: Characters Remaining: 161         App E - 2024 BoS Meeting Minutes.pdf (IMS4/Report/CetDocument2 documentd=8739570)       Stormwater Education       Board of Supervisors Meeting Minutes I Characters Remaining: 164       Image: Characters Remaining: 164         App E - 2024 BoS Meeting Minutes.pdf (IMS4/Report/CetDocument2 documentd=8739570)       Drag and drop file(s) here to upload or Choose File Allowed File Types: RDF, 3PG, 3PG, DCC, DOCX XLS and XLSI Max File upload or File: SOMB       Complete Module         ICM #3 - Illicit Discharge Detection and Elimination (IDD&E)       Complete Module         ICM #3 - Illicit Discharge Detection and Elimination (IDD&E)       Complete Module         IMP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the egulated small MS4.         For new permittees only, was the written IDD&E program developed within one year of permit       Not Applicable         U: Date of latest annual review of IDD&E       06/28/2024       Were updates made?       Yes< No         MM #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if piplicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfall in d	1CM #2 Attachments:			
App E- 2024 PIPP.pdf   (MS4/Report/GetDocument2   document/dl=2739568)     App F - 2024 BoS Meeting   Minutes.pdf   (MS54/Report/GetDocument2   document/dl=2739569)     Stormwater Education     Board of Supervisors Meeting Minutes   (MS54/Report/GetDocument2   document/dl=3739570)     Characters Remaining: 164     Complete Module     Complete Module     Ind # 41: Develop and implement a written program for	File Name	Document Type	Short Description	Action
documentid=8739568)       Characters Remaining: 16]         App.F - 2026 BoS Meeting Minutes.pdf (MS4/Resport/GetDocument)       Stormwater Education       Board of Supervisors Meeting Minutes         (MS4/Resport/GetDocument)       Characters Remaining: 164       Image: Characters Remaining: 164         (MS4/Resport/GetDocument)       Complete Module       Complete Module         (MMP #3: Develop and implement a written program for the detection, elimination, and prevention of Illicit discharges into	<u>App E- 2024 PIPP.pdf</u> <u>(/MS4/Report/GetDocument?</u>	Public Involvement/Pa	Public Involvement & Participation Plan	â
App F - 2024 BoS Meeting Minutes.pdf (M54/Report/GetDocument) documentid=8739570)	<u>documentId=8739568)</u>		Characters Remaining: 161	
(MAS/Report/GetDocument?)       Characters Remaining: 164	App F - 2024 BoS Meeting Minutes.pdf	Stormwater Educatior	Board of Supervisors Meeting Minutes	â
Drag and drop file(s) here to upload or <u>Choose File</u> Niowed File Types: PDF, JPG, JPEC, DOC, DOCX, XLS and XLSX [Max File Upload per File: SOMB     Complete Module	<u>(/MS4/Report/GetDocument?</u> documentId=8739570)		Characters Remaining: 164	
ICM #3 - Illicit Discharge Detection and Elimination (IDD&E)   IMP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the egulated small MS4.   For new permittees only, was the written IDD&E program developed within one year of permit verage?   . Date of latest annual review of IDD&E   06/28/2024   Were updates made?   Yes   Not Applicable   rogram:   IMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if pplicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfall: nd observation points shall be numbered on the map(s).   Have you completed a map(s) that includes all components of BMP #2? Yes 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.		Drag and drop file(s)	) here to upload or <u>Choose File</u> CX, XLS and XLSX   <b>Max File Upload per File:</b> 50MB COmplet	e Module
MP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the agulated small MS4.   For new permittees only, was the written IDD&E program developed within one year of permit    Not Applicable   . Date of latest annual review of IDD&E    06/28/2024   Were updates made?   Yes   No MP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if pplicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfall: nd observation points shall be numbered on the map(s). Have you completed a map(s) that includes all components of BMP #2?    Yes No If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.	CM #3 – Illicit Discharge Dete	ction and Elimination (IDD&E	) 📀	~
For new permittees only, was the written IDD&E program developed within one year of permit Not Applicable   Not Applicable Not A	BMP #1: Develop and implement a egulated small MS4.	written program for the detection	on, elimination, and prevention of illicit discharges in	to the
. Date of latest annual review of IDD&E       06/28/2024       Image: Were updates made?       Yes       No         MP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if pplicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls nd observation points shall be numbered on the map(s).         Have you completed a map(s) that includes all components of BMP #2?       Yes       No         If Yes       and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.	For new permittees only, was the overage?	written IDD&E program develop	bed within one year of permit Not Applicabl	e
IMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if pplicable, 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). Have you completed a map(s) that includes all components of BMP #2? • Yes · No	. Date of latest annual review of I rogram:	DD&E 06/28/2024	🗰 Were updates made? 🔿 Yes 🥃	) No
Have you completed a map(s) that includes all components of BMP #2?  Yes O No If <u>Yes</u> and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.	MP #2: Develop and maintain ma pplicable, observation points, an nd observation points shall be nu	ម្កា(s) that show permittee and url d the locations and names of all s umbered on the map(s).	banized area boundaries, the location of all outfalls a surface waters that receive discharges from those ou	nd, if tfalls. Outfalls
If <u>Yes</u> and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.	Have you completed a map(s) th	at includes all components of BM	1P #2? 🔍 Yes 🔿 No	
	If Yes and you are a new nermit	tee and have not submitted the r	map(s) previously, attach the man(c) to this report	
	n <u>res</u> and you are a new permit	tee and have not submitted the r	maple, previously, accaen the maple) to this report.	

	map(s) to be co	ompleted:		MM/DD/YYYY				
2. Date of last update or revision to map(s):	:	12/01/2018	3	苗				
5. Total No. of Outfalls in MS4:	24		Total No. o	f Outfalls Mappe	d:		24	
. Total No. of Observation Points:	8		Total No. o	Observation Po	ints Mapp	ed:	3	
. During the reporting period, have you id reviously reported to DEP in an NOI, appli roposed for the next reporting period?	entified any ex ication or annu	kisting outfa ual report, or	ills that have r are any ne	e not been w MS4 outfalls	0	Yes 🖲 I	lo	
If <u>Yes</u> , select: Existing Outfall(s)	Identified	🔿 Yes 🗨	No	New Outfall(s) P	roposed	0	Yes 🖲 N	10
or operated by the permittee (including ro ewer collection system), including private property receive stormwater flows from up Have you completed a map(s) that includ	ads, inlets, pip ely-owned com pstream public des all compone have not subm	ing, swales, nponents of cly-owned co ents of BMP nitted the ma	catch basin the collection omponents. 9 #3? •	s, channels, and on system where 'es O No usly, attach the r	any other conveyar	componer ices or BM	its of the st Ps on priva	torm te
			-p(-) p			<b>#</b>		
If <u>No</u> , date by which permittee expects r	map(s) to be co	ompleted:				ш		
. If <u>Yes</u> to #1, is the map(s) on the same ma	ap(s) as for out	tfalls and rec	ceiving wate	rs? ● Yes (	) No			
. If <u>Yes</u> to #1, is the map(s) on the same ma . Date of last update or revision to map(s):	ap(s) as for out	tfalls and rec	<b>ceiving wate</b> 3	rs? ● Yes (	) No			
If <u>Yes</u> to #1, is the map(s) on the same ma Date of last update or revision to map(s): MP #4: Conduct dry weather screenings irresent, the permittee shall identify the sc ermittee shall also respond to reports rec sociated with the storm sewer system, a DEP illicit discharges that would endanger anger of pollution or would damage prop or new permittees, all identified outfalls (a ithin the 5-year period following permit c ints) must be screen during dry weather roblems have been reported or known so uring each year of permit coverage.	ap(s) as for out of MS4 outfalls ource(s) and tal ceived from the as well as take of r users downst overage. For ex r at least once y urces of dry we	tfalls and rec 12/01/2018 s to evaluate ke appropria e public or o enforcemen tream from t ble observati existing pern within the 5 eather flows	e the presen ate actions ther agenci thaction as a the discharg ion points) r nittees, all ic -year perioc s occur on a	rs? • Yes ( rs? • Yes ( rso remove or correso f suspected on recessary. The pro- recessary. The pro- recessar	) No arges. If al rect any ill or confirm ermittee s rwise resu d during d (and if ap t coverage outfalls m	ny illicit dis icit discha ed illicit di hall immed ilt in pollut ry weather plicable ob e and, for a ust be scre	charges ar ges. The scharges liately repo ion or crea at least tw servation reas where ened annu	e ort to te a vice e past ially
If <u>Yes</u> to #1, is the map(s) on the same mathematical sector of last update or revision to map(s): BMP #4: Conduct dry weather screenings be	ap(s) as for out of MS4 outfalls ource(s) and tal ceived from the swell as take e r users downst oerty. and if applicab coverage. For ex r at least once to urces of dry we	tfalls and rec 12/01/2018 to evaluate ke appropria public or o enforcement tream from t ole observati existing pern within the 5 eather flows	e the presen ate actions other agenci at action as the discharg ion points) r nittees, all io i-year perioc s occur on a ere screened	rs? • Yes ( rs? • Yes ( rs? • Yes ( res of illicit disch to remove or correst es of suspected of the sore or would other res or would other res or would other hust be screened lentified outfalls following permit continual basis, I during the	) No arges. If an rect any ill or confirm ermittee s rwise resu d during d (and if ap t coverage outfalls m	ny illicit dis icit discha ed illicit di hall immed ilt in pollut ry weather plicable ob e and, for a ust be scre	charges ar ges. The scharges liately repo ion or crea at least tw servation reas where ened annu	e ort to te a vice e past ially
. If <u>Yes</u> to #1, is the map(s) on the same ma Date of last update or revision to map(s): MP #4: Conduct dry weather screenings present, the permittee shall identify the sc permittee shall also respond to reports rec issociated with the storm sewer system, a DEP illicit discharges that would endanger langer of pollution or would damage prop or new permittees, all identified outfalls (a <i>i</i> thin the 5-year period following permit c oints) must be screen during dry weather roblems have been reported or known so uring each year of permit coverage. How many unique outfalls (and if applica porting period?	ap(s) as for out of MS4 outfalls purce(s) and tal ceived from the swell as take o r users downst perty. and if applicab coverage. For ex- r at least once y urces of dry we	tfalls and rec 12/01/2018 to evaluate ke appropria public or o enforcement tream from t ole observati existing pern within the 5 eather flows	e the presen ate actions other agenci at action as the discharg ion points) r nittees, all io i-year perioc s occur on a ere screened	rs? • Yes ( rs? • Yes ( rs? • Yes ( res of illicit disch to remove or corres es of suspected of the escreened recessary. The pri- re, or would other nust be screened lentified outfalls following permi- continual basis, I during the	) No arges. If an rect any ill or confirm ermittee s rwise resu d during d (and if ap t coverage outfalls m	ny illicit dis icit discha ed illicit di hall immed ilt in pollut ry weather plicable ob e and, for a ust be scre 4	charges ar ges. The scharges liately repo ion or crea at least tw servation reas where ened annu	e ort to te a vice e past ially
If <u>Yes</u> to #1, is the map(s) on the same mathematical second sec	ap(s) as for out of MS4 outfalls ource(s) and tal served from the swell as take of r users downst perty. and if applicab coverage. For ex r at least once w urces of dry we uble observation	tfalls and rec 12/01/2018 to evaluate ke appropria public or o enforcement tream from t ole observati existing pern within the 5 eather flows on points) we	e the presen ate actions other agenci at action as the discharg ion points) r nittees, all ic s-year perioc s occur on a ere screened	rs? • Yes ( rs? • Yes ( rs? • Yes ( res of illicit disch- to remove or correst or remove or correst es of suspected of the provided of the provided of	) No arges. If an rect any ill or confirm ermittee s rwise resu d during d (and if ap t coverage outfalls m	ny illicit dis icit discha ed illicit di hall immed ilt in pollut ry weather plicable ob e and, for a ust be scree	charges ar rges. The scharges liately repo ion or crea at least tw servation reas where ened annu	e ort to te a rice e past ially
If <u>Yes</u> to #1, is the map(s) on the same mathematical second sec	ap(s) as for out: of MS4 outfalls purce(s) and tai seived from the as well as take of r users downst perty. and if applicab coverage. For ex r at least once of urces of dry we uble observation reened in the p	tfalls and rec 12/01/2018 is to evaluate ke appropria e public or o enforcement tream from t ole observati existing pern within the 5 eather flows on points) we past five yea	e the presen ate actions other agenci at action as the discharg ion points) r nittees, all io i-year perioc s occur on a ere screened ars.	rs? • Yes (	) No arges. If an rect any ill or confirm ermittee s rwise resu d during d (and if ap t coverage outfalls m 14 10 10 10	ny illicit dis icit discha ed illicit di hall immed ilt in pollut ry weather plicable ob e and, for a ust be scree 4	charges ar ges. The scharges liately repo ion or crea at least tw servation reas where ened annu	e ort to te a vice e past ially

tps://greenport.pa.gov/elibra	ary/GetFolder?FolderI	<u>D=2740)</u> provided in the permit	t? Yes () N	þ
If <u>No</u> , attach a copy of your s	screening report form			
1P #5: Enact a Stormwater N	lanagement Ordinan	ce or SOP to implement and en	force a stormwater management p	ogram that
ludes prohibition of non-sto	ormwater discharges	to the regulated small MS4.		
o you have an ordinance (m n-stormwater discharges?	unicipal) or SOP or ot	ther mechanism (non-municipa	al) that prohibits 🛛 🔵 Yes 🔿 N	D
If <u>Yes</u> , indicate the date of tl	ne ordinance or SOP:			
ate of the Ordinance	Borough/Towns	hip Name?		Actior
12/19/2022	Wrightstown T	ownship		Ē
03/03/2014	Wrightstown T	ownship		Ē
		+ Add		
f Vos to #1 is the ordinance		h DEDIc 2022 Model Stermuste	- Management	
<sup>-</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX f <u>Yes</u> to #1 and the ordinanc	or SOP consistent wit ) with respect to auth :e or SOP has not bee	h DEP's 2022 Model Stormwate Iorized non-stormwater dischar n submitted to DEP previously,	er Management  Seges? Yes Norden Nord	þ
<sup>-</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinanc Vere there any violations of	or SOP consistent wit ) with respect to auth :e or SOP has not bee the ordinance or SOP	h DEP's 2022 Model Stormwate orized non-stormwater dischar n submitted to DEP previously, during the reporting period?	er Management  er Yes Narges?  Nattach the ordinance or SOP.  Yes  Nattach Ves  Nat	0
<sup>F</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX f <u>Yes</u> to #1 and the ordinand Vere there any violations of f <u>Yes</u> to #3, complete the ta	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach ado	h DEP's 2022 Model Stormwate horized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary).	er Management  Second Yes Norges? Yes Norges? Yes Norgen Yes Norgen Yes Norgen Yes Norgen Nor	2
<sup>7</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinand Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach ado of Violation	h DEP's 2022 Model Stormwate oorized non-stormwater dischar n submitted to DEP previously, 9 during the reporting period? ditional sheets as necessary). Responsible Party	er Management rges? Yes O N attach the ordinance or SOP. O Yes O N Enforcement Taken	D Action
F <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX If <u>Yes</u> to #1 and the ordinance Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach ado of Violation	h DEP's 2022 Model Stormwate porized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary). Responsible Party No data available in table	er Management rges? Ves O N attach the ordinance or SOP. Yes O N Enforcement Taken	Action
f <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX f <u>Yes</u> to #1 and the ordinand Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature	or SOP consistent wit ) with respect to auth :e or SOP has not bee the ordinance or SOP ble below (attach ado of Violation	h DEP's 2022 Model Stormwate norized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary). Responsible Party No data available in table	er Management rges? • attach the ordinance or SOP. () Yes () No Yes () No Enforcement Taken	Action
<sup>7</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX f <u>Yes</u> to #1 and the ordinanc Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach ado of Violation	h DEP's 2022 Model Stormwate oorized non-stormwater dischar n submitted to DEP previously, e during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add	er Management rges? • attach the ordinance or SOP. () Yes () No Enforcement Taken	Action
<sup>5</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX f <u>Yes</u> to #1 and the ordinanc Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach ado of Violation	h DEP's 2022 Model Stormwate porized non-stormwater dischar n submitted to DEP previously, o during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add	er Management rges? Ves N attach the ordinance or SOP. Yes N Enforcement Taken	Action
<sup>5</sup> Yes       to #1, is the ordinance         linance (3800-XXXXXXXXXXX         f Yes       to #1 and the ordinance         f Yes       to #1 and the ordinance         Vere there any violations of         f Yes       to #3, complete the ta         iolation Date       Nature         Did you approve any waiver         n-stormwater discharge pro	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach add of Violation of Violation	h DEP's 2022 Model Stormwate horized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add	er Management rges? • Attach the ordinance or SOP. • Yes • No Enforcement Taken	Action
<sup>5</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXX f <u>Yes</u> to #1 and the ordinance Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature Did you approve any waiver n-stormwater discharge pro	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach add of Violation	h DEP's 2022 Model Stormwate porized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add e reporting period that allowed ce or SOP?	er Management rges? • Attach the ordinance or SOP. • Yes • No Enforcement Taken	Action
Yes       to #1, is the ordinance         linance (3800-XXXXXXXXXXX         f       Yes         to #1 and the ordinance         Vere there any violations of         Yes       to #3, complete the ta         iolation Date       Nature         Did you approve any waiver         I-stormwater discharge pro         f       Yes         to #4, identify the ent	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach add of Violation or variance during the visions of an ordinance ity that received the v	h DEP's 2022 Model Stormwater norized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add e reporting period that allowed ce or SOP? waiver or variance and the type	er Management rges? • Attach the ordinance or SOP. • Yes • No • Yes • No Enforcement Taken	o Action
Yes       to #1, is the ordinance         linance (3800-XXXXXXXXXXX         f       Yes         to #1 and the ordinance         /ere there any violations of         Yes       to #3, complete the ta         iolation Date       Nature         Did you approve any waiver         i-stormwater discharge pro         f       Yes         to #4, identify the ent	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach add of Violation or variance during the visions of an ordinance ity that received the v	h DEP's 2022 Model Stormwate horized non-stormwater dischar n submitted to DEP previously, during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add e reporting period that allowed ce or SOP? waiver or variance and the type	er Management rges? attach the ordinance or SOP. Yes  No Enforcement Taken an exception to Yes  No Yes No Yes No No Yes No No No Yes No No No No No No No No No No	Action
<sup>2</sup> <u>Yes</u> to #1, is the ordinance linance (3800-XXXXXXXXXXXX f <u>Yes</u> to #1 and the ordinance Vere there any violations of f <u>Yes</u> to #3, complete the ta iolation Date Nature Did you approve any waiver h-stormwater discharge pro	or SOP consistent wit ) with respect to auth ce or SOP has not bee the ordinance or SOP ble below (attach add of Violation or variance during the visions of an ordinance ity that received the v	h DEP's 2022 Model Stormwater oorized non-stormwater dischar n submitted to DEP previously, e during the reporting period? ditional sheets as necessary). Responsible Party No data available in table + Add e reporting period that allowed the or SOP? waiver or variance and the type	er Management rges? attach the ordinance or SOP. Yes  No Enforcement Taken an exception to Yes No of non-stormwater discharge approximately a start of the s	Action

If <u>Yes</u> , what was distributed?			
Information regarding repor	ting illicit discharges is included	d on the Township website and the Cable Access Ch	annel.
		Characters Rema	aining: <b>884</b>
Is there a well-publicized methological methological strain incidents?	od for employees, businesses and	the public to report stormwater 🛛 🕒 Yes 🔿 No	
Do you maintain documentatio ction?	n of all responses, action taken, a	nd the time required to take 🛛 🕒 Yes 🔿 No	
CM #3 Comments:			
CM #3 Attachments:		Characters Remai	ning: <b>4000</b>
File Name	Document Type	Short Description	Action
App G -2024 IDD&E Program.pdf	IDD&E Program Plan	Illicit Discharge Detection & Elimination Plan	Ē
1/MS4/Deport/CetDocument?		Characters Remaining: 154	
(/MS4/Report/GetDocument? documentId=8736785)			
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument?	MS4 Outfall Field Scre	Outfall Screening Reports	而
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument? documentId=8739621)	MS4 Outfall Field Scre	Outfall Screening Reports	Î
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument? documentId=8739621)	MS4 Outfall Field Scre Drag and drop file(s Allowed File Types: PDF, JPG, JPEG, DOC, DO	Outfall Screening Reports Characters Remaining: 175 ) here to upload or <u>Choose File</u> CX, XLS and XLSX  Max File Upload per File: 50MB	â
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument? documentId=8739621)	MS4 Outfall Field Scre Drag and drop file(s Allowed File Types: PDF, JPG, JPEG, DOC, DO	Outfall Screening Reports Characters Remaining: 175 There to upload or Choose File CX, XLS and XLSX  Max File Upload per File: 50MB Complete	Module
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument? documentId=8739621)	MS4 Outfall Field Scre Drag and drop file(s Allowed File Types: PDF, JPG, JPEG, DOC, DO	Outfall Screening Reports Characters Remaining: 175 ) here to upload or <u>Choose File</u> CX, XLS and XLSX  Max File Upload per File: 50MB Complete	Module
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument? documentId=8739621) documentId=8739621) ICM #4 - Construction Site St re you relying on PA's statewide	MS4 Outfall Field Scre Drag and drop file(s Allowed File Types: PDF, JPG, JPEG, DOC, DO cormwater Runoff Control	Outfall Screening Reports Characters Remaining: 175 Characters Remaining: 175 There to upload or Choose File CX, XLS and XLSX  Max File Upload per File: 50MB Complete Complete Ves Ves No	Module
(/MS4/Report/GetDocument? documentId=8736785) App H - 2024 Outfalls.pdf (/MS4/Report/GetDocument? documentId=8739621) documentId=8739621) ICM #4 - Construction Site St re you relying on PA's statewide o satisfy this MCM?	MS4 Outfall Field Scre Drag and drop file(s Allowed File Types: PDF, JPG, JPEG, DOC, DO cormwater Runoff Control program for stormwater associat IP Nos. 1, 2 and 3 only in this section	Outfall Screening Reports Characters Remaining: 175 Characters Remaining: 175 ) here to upload or <u>Choose File</u> CX, XLS and XLSX  Max File Upload per File: 50MB Complete Complete Complete	Module

ect Not Applicable.	age)? Note: If no building permit applications were received you may	Yes
IP #2: A municipality or cou eipt of an application for a de § 102.42.	nty which issues building or other permits shall notify DEP or the appl permit involving an earth disturbance activity consisting of one acre o	icable CCD within 5 days of the r more, in accordance with 25 Pa
ring the reporting period, di P/CCD within 5 days of recei e or more)? Note: If no build plicable.	d you comply with 25 Pa. Code § 102.42 (relating to notifying ving an application involving an earth disturbance activity of one ing permit applications were received you may select Not	Yes
IP #3: Enact, implement and luding sanctions for non-co	l enforce an ordinance or SOP to require the implementation and main mpliance, as applicable.	ntenance of E&S control BMPs,
o you have an ordinance (m plementation and maintena	unicipal) or SOP or other mechanism (non-municipal) that requires nce of E&S control BMPs?	🖲 Yes 🔵 No
If <u>Yes</u> , indicate the date of th	ne ordinance or SOP:	
ate of the Ordinance	Borough/Township Name?	Action
09/17/2007	Wrightstown Township	Ō
12/19/2022	Wrightstown Township	<b>.</b>
	+ Add	
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX	or SOP consistent with DEP's 2022 Model Stormwater Management )?	🖲 Yes 🔵 No
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinance	or SOP consistent with DEP's 2022 Model Stormwater Management )? e or SOP has not been submitted previously, attach a copy of the ordin	Yes No No nance or SOP.
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinance IP #4: Review Erosion and S eet regulatory requirements	or SOP consistent with DEP's 2022 Model Stormwater Management )? e or SOP has not been submitted previously, attach a copy of the ordin ediment (E&S) control plans to ensure that such plans adequately con	Yes No No nance or SOP. sider water quality impacts and
F <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX F <u>Yes</u> to #1 and the ordinance IP #4: Review Erosion and S set regulatory requirements Specify the number of E&S F	pr SOP consistent with DEP's 2022 Model Stormwater Management )? e or SOP has not been submitted previously, attach a copy of the ordin ediment (E&S) control plans to ensure that such plans adequately con Plans you reviewed during the reporting period:	Yes No nance or SOP. sider water quality impacts and
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinance IP #4: Review Erosion and S set regulatory requirements Specify the number of E&S F	pr SOP consistent with DEP's 2022 Model Stormwater Management ? e or SOP has not been submitted previously, attach a copy of the ordin ediment (E&S) control plans to ensure that such plans adequately con Plans you reviewed during the reporting period:	Yes No nance or SOP. sider water quality impacts and
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinance IP #4: Review Erosion and S set regulatory requirements Specify the number of E&S F	or SOP consistent with DEP's 2022 Model Stormwater Management )? e or SOP has not been submitted previously, attach a copy of the ordin ediment (E&S) control plans to ensure that such plans adequately con Plans you reviewed during the reporting period:	Yes No nance or SOP. sider water quality impacts and
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinance IP #4: Review Erosion and S set regulatory requirements Specify the number of E&S F Specify the number of E&S F	regarding installation and maintenance of E&S control measures durin tions, including dates and inspection results, in accordance with the r	Yes No hance or SOP. sider water quality impacts and Characters Remaining: 1000 rg earth disturbance activities. record retention requirements in
f <u>Yes</u> to #1, is the ordinance ( linance (3800-XXXXXXXXXX f <u>Yes</u> to #1 and the ordinance IP #4: Review Erosion and S set regulatory requirements Specify the number of E&S F IP #5: Conduct inspections i intain records of site inspec s permit.	Plans you reviewed during the reporting period:	Yes No hance or SOP. sider water quality impacts and Characters Remaining: 1000 hg earth disturbance activities. record retention requirements in
F <u>Yes</u> to #1, is the ordinance of linance (3800-XXXXXXXXXXX F <u>Yes</u> to #1 and the ordinance of P #4: Review Erosion and Set regulatory requirements Specify the number of E&S F Specify the number of E&S F intain records of site inspectors of spermit. Specify the number of E&S i	regarding installation and maintenance of E&S control measures durin tions, including dates and inspection results, in accordance with the r	Yes No  No  Anance or SOP.  Sider water quality impacts and  Characters Remaining: 1000  Ang earth disturbance activities.  record retention requirements in

Specify the number of e	nforcement actions you took during	the reporting period for improp	er E&S:
			Characters Demaining: 1000
P #7: Develop and impl verse impacts to water o	ement requirements for construction quality. The permittee shall provide e	ו site operators to control waste ducation on these requirement	e at construction sites that may cause s to construction site operators.
pecify the method(s) b	y which you are educating construct	ion site operators on controlling	g waste at construction sites:
			Characters Remaining: 1000
P #8: Develop and impl mitted by the public to	ement procedures for the receipt and the permittee regarding local const	d consideration of public inquir ruction activities.	ies, concerns, and information
tracking system has be	en established for receipt of public ir	nguiries and complaints.	🔿 Yes 🔿 No
			0 0
			Characters Remaining: 1000
M #4 Comments:			
			Characters Remaining: 4000
			Characters Remaining: 4000
4 #6 Attachments			Characters Remaining: 4000
M #4 Attachments:			Characters Remaining: 4000
M #4 Attachments:		Short Description	Characters Remaining: 4000
M #4 Attachments: le Name	Document Type	Short Description	Characters Remaining: 4000
M #4 Attachments:	Document Type You may uplo	Short Description	Characters Remaining: 4000
M #4 Attachments: le Name	Document Type You may uplo	Short Description	Characters Remaining: 4000 Actio
M #4 Attachments:	Document Type You may uplo	Short Description	Characters Remaining: 4000 Actio
M #4 Attachments:	Document Type You may uplo Drag and drop fi	Short Description Dad attachments here. le(s) here to upload or <u>Choose Fi</u>	Characters Remaining: 4000 Actio
M #4 Attachments:	Document Type You may uple Drag and drop fi Allowed File Types: PDF, JPG, JPEG, DOC	Short Description Dad attachments here. le(s) here to upload or <u>Choose Fil</u> , DOCX, XLS and XLSX (Max File Upload per	Characters Remaining: 4000 Action
M #4 Attachments:	Document Type You may uple Trag and drop fi Allowed File Types: PDF, JPG, JPEG, DOC	Short Description Sad attachments here. le(s) here to upload or <u>Choose Fil</u> , DOCX, XLS and XLSX  Max File Upload per	Characters Remaining: 4000 Acti
M #4 Attachments:	Document Type You may uple Drag and drop fi Allowed File Types: PDF, JPG, JPEG, DOC	Short Description Dad attachments here. le(s) here to upload or <u>Choose Fil</u> , DOCX, XLS and XLSX   <b>Max File Upload per</b>	Characters Remaining: 4000 Actio

Do you have an ordinance (m plementation and maintena	unicipal) or SOP or other mechanism (non-municipal) that requires nce of post-construction stormwater management (PCSM) BMPs?	🖲 Yes 🔵 N	lo
If <u>Yes</u> , indicate the date of th	ne ordinance or SOP:		
Date of the Ordinance	Borough/Township Name?		Action
03/03/2014	Wrightstown Township		â
12/19/2022	Wrightstown Township		Ō
	+ Add		
f <u>Yes</u> to #1, is the ordinance o dinance (3800-PM-BCW0100	or SOP consistent with DEP's 2022 Model Stormwater Management i)?	🖲 Yes 🔿 N	lo
f <u>Yes</u> to #1 and the ordinance /IP #2: Develop and impleme d redevelopment. Measures nsistent with LID practices a yo you have an ordinance (m courages and expands the us	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de ind repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment?	nance or SOP. pment (LID) in new evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implement of redevelopment. Measures insistent with LID practices a Do you have an ordinance (m courages and expands the us If <u>Yes</u> , indicate the date of th	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de and repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment? ne ordinance or SOP:	nance or SOP. pment (LID) in new evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implemend redevelopment. Measures onsistent with LID practices a Do you have an ordinance (m courages and expands the us If <u>Yes</u> , indicate the date of th Date of the Ordinance	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de and repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment? ne ordinance or SOP: Borough/Township Name?	nance or SOP. pment (LID) in new evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implement of redevelopment. Measures ponsistent with LID practices a Do you have an ordinance (m courages and expands the us If <u>Yes</u> , indicate the date of the Date of the Ordinance	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de and repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment? ne ordinance or SOP: Borough/Township Name? Wrightstown Township	nance or SOP. pment (LID) in new evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implement of redevelopment. Measures insistent with LID practices a Do you have an ordinance (m courages and expands the us If <u>Yes</u> , indicate the date of the Date of the Ordinance 03/03/2014	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de and repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment? ne ordinance or SOP: Borough/Township Name? Wrightstown Township Wrightstown Township	nance or SOP. pment (LID) in nev evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implement of redevelopment. Measures ponsistent with LID practices a Do you have an ordinance (m courages and expands the us If <u>Yes</u> , indicate the date of th Date of the Ordinance 03/03/2014	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de and repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment? ne ordinance or SOP: Borough/Township Name? Wrightstown Township + Add	nance or SOP. pment (LID) in new evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implemend redevelopment. Measures insistent with LID practices a Do you have an ordinance (m courages and expands the usual If <u>Yes</u> , indicate the date of the Date of the Ordinance 03/03/2014 12/19/2022	e or SOP has not been submitted previously, attach a copy of the ordi ant measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de and repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that se of LID in new development and redevelopment? ne ordinance or SOP: Borough/Township Name? Wrightstown Township + Add	nance or SOP. pment (LID) in new evelopment. Enact	w development ordinances
If <u>Yes</u> to #1 and the ordinance MP #2: Develop and implemend redevelopment. Measures ponsistent with LID practices a Do you have an ordinance (m iccourages and expands the us If <u>Yes</u> , indicate the date of th Date of the Ordinance 03/03/2014 12/19/2022 <b>1</b> If <u>Yes</u> to #1, is the ordinance of dinance (3800-XXXXXXXXXXX)	e or SOP has not been submitted previously, attach a copy of the ordi ent measures to encourage and expand the use of Low Impact Develo should also be included to encourage retrofitting LID into existing de ind repeal sections of ordinances that conflict with LID practices. unicipal) or SOP or other mechanism (non-municipal) that see of LID in new development and redevelopment? ne ordinance or SOP: Borough/Township Name? Wrightstown Township + Add or SOP consistent with DEP's 2022 Model Stormwater Management ? e or SOP has not been submitted previously, attach a copy of the ordi	nance or SOP. pment (LID) in new evelopment. Enact • Yes N	w development ordinances

), 2003?	🖲 Yes 🔘 No
If <u>Yes</u> to #1, complete Table 1 in the next module.	
	• •
Has proper O&M occurred during the reporting period for all PCSM BMPs?	Yes () No
If <u>No</u> to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.	
	Characters Remaining: 4000
you are relying on PA's statewide program for stormwater associated with construction activities	s, you may skip to MCM #6,
MP #4: Require the implementation of a combination of structural and/or non-structural BMPs the ommunity, that minimize water quality impacts, and that are designed to maintain pre-developme	at are appropriate to the local ent runoff conditions.
Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing g ncluding projects less than one acre that are part of a larger common plan of development or sale	reater than or equal to one acre ).
	Characters Pemaining: 1000
	Characters Remaining: <b>1000</b>
Has a tracking system been established and maintained to record qualifying projects and their ssociated BMPs?	Characters Remaining: 1000
Has a tracking system been established and maintained to record qualifying projects and their ssociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper tructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope	Characters Remaining: 1000 Yes No e permittee shall inspect all r installation of the approved emented to track the inspections rly).
Has a tracking system been established and maintained to record qualifying projects and their ssociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper tructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope During the reporting period have you inspected all qualifying development and redevelopment rojects during the construction phase to ensure proper installation of approved structural BMPs?	Characters Remaining: 1000 Ves No e permittee shall inspect all r installation of the approved emented to track the inspections rly). - Select -
Has a tracking system been established and maintained to record qualifying projects and their sociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper tructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope During the reporting period have you inspected all qualifying development and redevelopment ojects during the construction phase to ensure proper installation of approved structural BMPs? Has a tracking system been established and maintained to record results of inspections?	Characters Remaining: 1000 Yes No e permittee shall inspect all r installation of the approved emented to track the inspections rly). - Select - Yes No
Has a tracking system been established and maintained to record qualifying projects and their isociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper iructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope During the reporting period have you inspected all qualifying development and redevelopment rojects during the construction phase to ensure proper installation of approved structural BMPs? Has a tracking system been established and maintained to record results of inspections?	Characters Remaining: 1000 Yes No e permittee shall inspect all r installation of the approved emented to track the inspections rly). - Select - Yes No somponents of this MCM.
Has a tracking system been established and maintained to record qualifying projects and their isociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper iructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope During the reporting period have you inspected all qualifying development and redevelopment ojects during the construction phase to ensure proper installation of approved structural BMPs? Has a tracking system been established and maintained to record results of inspections? MP #6: Develop a written procedure that describes how the permittee shall address all required c ave you developed a written plan that addresses: 1) minimum requirements for use of structural ind/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting nd standards for sizing stormwater BMPs; and 3) implementation of an inspection program to	Characters Remaining: 1000 Characters Remaining: 1000 Yes No e permittee shall inspect all r installation of the approved emented to track the inspections rly) Select - O Yes No omponents of this MCM. O Yes No
Has a tracking system been established and maintained to record qualifying projects and their sociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper ructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed proper During the reporting period have you inspected all qualifying development and redevelopment ojects during the construction phase to ensure proper installation of approved structural BMPs? Has a tracking system been established and maintained to record results of inspections? MP #6: Develop a written procedure that describes how the permittee shall address all required c ave you developed a written plan that addresses: 1) minimum requirements for use of structural id/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting di standards for sizing stormwater BMPs; and 3) implementation of an inspection program to issure that BMPs are properly installed?	Characters Remaining: 1000  Yes No  e permittee shall inspect all r installation of the approved emented to track the inspections rly).  - Select -  Yes No omponents of this MCM.  Yes No
Has a tracking system been established and maintained to record qualifying projects and their sociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper tructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope During the reporting period have you inspected all qualifying development and redevelopment ojects during the construction phase to ensure proper installation of approved structural BMPs? Has a tracking system been established and maintained to record results of inspections? MP #6: Develop a written procedure that describes how the permittee shall address all required c ave you developed a written plan that addresses: 1) minimum requirements for use of structural Id/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting id standards for sizing stormwater BMPs; and 3) implementation of an inspection program to issure that BMPs are properly installed? ICM #5 Comments:	Characters Remaining: 1000  Yes No  e permittee shall inspect all r installation of the approved emented to track the inspections rly).  - Select -  Yes No omponents of this MCM.  Yes No
Has a tracking system been established and maintained to record qualifying projects and their sociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper irructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope During the reporting period have you inspected all qualifying development and redevelopment ojects during the construction phase to ensure proper installation of approved structural BMPs? Has a tracking system been established and maintained to record results of inspections? MP #6: Develop a written procedure that describes how the permittee shall address all required c ave you developed a written plan that addresses: 1) minimum requirements for use of structural bd/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting di standards for sizing stormwater BMPs; and 3) implementation of an inspection program to issue that BMPs are properly installed?	Characters Remaining: 1000  Yes No  Permittee shall inspect all r installation of the approved mented to track the inspections rly).  - Select -  Yes No  omponents of this MCM.  Yes No
Has a tracking system been established and maintained to record qualifying projects and their sociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper irructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple onducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope —	Characters Remaining: 1000  Yes No  Pepermittee shall inspect all r installation of the approved mented to track the inspections rly).  - Select -  Yes No  omponents of this MCM.  Yes No
Has a tracking system been established and maintained to record qualifying projects and their sociated BMPs? MP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The ualifying development or redevelopment projects during the construction phase to ensure proper ructural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be imple anducted and to track the results of the inspections (e.g., BMPs were, or were not, installed prope	Characters Remaining: 1000  Yes No  Permittee shall inspect all r installation of the approved Permented to track the inspections rly).  - Select -  Yes No  omponents of this MCM.  Yes No  Characters Remaining: 4000

мсм	#5	Attachments:	
-----	----	--------------	--

File Name	Document Type	Short Description	Action				
You may upload attachments here.							
	Drag and drop Allowed File Types: PDF, JPG, JPEG, DO	file(s) here to upload or <u>Choose File</u> DC, DOCX, XLS and XLSX   <b>Max File Upload per File:</b> 50MB					
			Complete Module				

~ **PCSM BMP Inventory Table** 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. Note: Any BMP data entered/uploaded will be prepopulated in the next reporting year. You may enter your BMPs manually or upload them using our template. Date of Date BMP Drain **BMP** Name Latest Longitude Satisfactory Active Lattitude No. Installed Area Inspection 01/01/2010 1 Wet Ponds and Wetlands Yes 40.291131 -74.996378 40 Entity Responsible for O&M: O&M Requirements: Permit Number: Description: Wrightstown Township -Per Approved Plans and Parson's Lane **BMP Manual Dry Extended Detention** 2 01/01/2010 Yes 40.291131 -74.996378 40 Basin Entity Responsible for O&M: **O&M Requirements:** Permit Number: Description: Wrightstown Township -Per Approved Plans and Parson's Lane **BMP Manual** 01/01/2007 3 Wet Ponds and Wetlands Yes 40.271390 -74.988961 Entity Responsible for O&M: O&M Requirements: Permit Number: Description: **Residential Property Owner** Per Approved Plans and - 53 Lark Lane **BMP Manual** 4 Infiltration Practices 01/01/2007 Yes 40.271390 -74.988961 Entity Responsible for O&M: **O&M Requirements:** Permit Number: Description:

Yes

40.271667

-74.988333

Property Owner - 53 Lark Per Approved Plans and Lane BMP Manual

01/01/2010

5 Infiltration Practices

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Lattitude	Longitude	Drain Area
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Resid - 35 I	dential Property Owner _ark Lane	Per Approved Pl BMP Manual for Beds	ans and Seepage					
6	Infiltration Practices	01/01/2010		~	Yes	40.271333	-74.987456	
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Resid - 42	dential Property Owner Lark Lane	Per Approved Pl BMP Manual for Beds	ans and Seepage					
8	Dry Extended Detention Basin	01/01/2007		~	Yes	40.270961	-74.988232	
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Resid - 62	dential Property Owner Lark Lane	Per Approved Pl BMP Manual	ans and					
7	Infiltration Practices	01/01/2007		~	Yes	40.270691	-74.988232	
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Resi - 62	dential Property Owner Lark Lane	Per Approved Pl BMP Manual for Beds	ans and Seepage					
9	Dry Extended Detention Basin	01/01/2011		~	Yes	40.274808	-74.990488	
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Resi - 673	dential Property Owner Durham Road	Per Approved Pl BMP Manual	ans and					
10	Dry Extended Detention Basin	01/01/2015		~	Yes	40.294329	-75.002376	
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Resi - 33 I	dential Property Owner Pine Lane	Per Approved Pl BMP Manual	ans and					
11	Bioretention - Raingarder (C/D soils w/ underdrain)	01/01/2015		~	Yes	40.290962	-75.001424	
Entit	y Responsible for O&M:	O&M Requireme	nts:	Permit Number:	Desc	cription:		
Prop - 100	erty Owner - Cemetary 4 Durham Road	Per Approved Pl BMP Manual	ans and					
12	Bioretention - Raingarder (C/D soils w/ underdrain)	01/01/2015		~	Yes	40.291551	-75.00254	

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Lattitude	Longitude	Drain Area
Entity	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	ription:		
Prop - 1004	erty Owner - Cemetary 4 Durham Road	Per Approved Pla BMP Manual	ans and					
13	Bioretention - Raingarden (C/D soils w/ underdrain)	01/01/2015		~	Yes	40.291723	-75.000826	
Entity	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	ription:		
Prop - 1004	erty Owner - Cemetary 4 Durham Road	Per Approved Pla BMP Manual	ans and					
14	Wet Ponds and Wetlands	01/01/2015		~	Yes	40.262635	-74.998667	
Entity	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	ription:		
Prop - 1004	erty Owner - Cemetary 4 Durham Road	Per Approved Pla BMP Manual	ans and					
15	Wet Ponds and Wetlands	01/01/2015		~	Yes	40.293998	-74.998667	
Entity	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	ription:		
Prop - 100	erty Owner - Cemetary 4 Durham Road	Per Approved Pla BMP Manual	ans and					
16	Wet Ponds and Wetlands	01/01/2022		~	Yes	40.267104	-75.009593	
<b>16</b> Entity	Wet Ponds and Wetlands y Responsible for O&M:	01/01/2022 O&M Requiremer	nts:	Permit Number:	<b>Yes</b> Desc	<b>40.267104</b>	-75.009593	
16 Entity Doug 2	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot	01/01/2022 O&M Requiremer Per the Approved the DEP BMP Ma	nts: d Plan and nual	Permit Number: PAC090223	<b>Yes</b> Desc	<b>40.267104</b>	-75.009593	
16 Entity Doug 2 17	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other	01/01/2022 O&M Requiremer Per the Approver the DEP BMP Ma 01/01/2022	nts: d Plan and nual	Permit Number: PAC090223	Yes Desc Yes	40.267104 rription: 40.267104	-75.009593 -75.009593	
16 Entity Doug 2 17 Entity	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M:	01/01/2022 O&M Requiremen Per the Approved the DEP BMP Ma 01/01/2022	its: d Plan and nual	Permit Number: PAC090223 Permit Number:	Yes Desc Yes	40.267104 ription: 40.267104	-75.009593 -75.009593	
16 Entity Doug 2 17 Entity 2 2	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M: gherty Subdivision- Lot	01/01/2022 O&M Requirement Per the Approved the DEP BMP Mat 01/01/2022 O&M Requirement Per the Approved the DEP BMP Mat	nts: d Plan and nual nts: d Plan and nual	Permit Number: PAC090223 Permit Number: PAC090223	Yes Desc Yes Desc Ame	40.267104 rription: 40.267104 rription: ended Soils	-75.009593	
16 Entity 2 17 Entity 2 18	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M: gherty Subdivision- Lot Wet Ponds and Wetlands	01/01/2022 O&M Requirement Per the Approved the DEP BMP Mat 01/01/2022 O&M Requirement Per the Approved the DEP BMP Mat	nts: d Plan and nual nts: d Plan and nual	<ul> <li>Permit Number:</li> <li>PAC090223</li> <li>Permit Number:</li> <li>PAC090223</li> </ul>	Yes Desc Yes Ame Yes	40.267104 arription: 40.267104 arription: anded Soils 40.267439	-75.009593	
16 Entity 2 17 Entity 2 18 Entity	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M: gherty Subdivision- Lot Wet Ponds and Wetlands y Responsible for O&M:	01/01/2022 O&M Requiremen Per the Approved the DEP BMP Ma 01/01/2022 O&M Requiremen Per the Approved the DEP BMP Ma 01/01/2022	nts: d Plan and nual nts: d Plan and nual	Permit Number: PAC090223 Permit Number: PAC090223 Permit Number: PAC090223	Yes Desc Yes Yes	40.267104  rription: 40.267104  rription: 40.267439  rription:	-75.009593	
16 Entity 2 17 Entity 18 Entity Doug 1	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M: gherty Subdivision- Lot Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot	01/01/2022 O&M Requirement Per the Approved the DEP BMP Material Ol/01/2022 O&M Requirement DEP BMP Material Ol/01/2022	nts: d Plan and nual hts: d Plan and nual	<ul> <li>Permit Number:</li> <li>PAC090223</li> <li>Permit Number:</li> <li>PAC090223</li> <li>Permit Number:</li> <li>Permit Number:</li> </ul>	Yes Desc Ves Yes Desc	40.267104 rription: 40.267104 rription: 40.267104 rription: 40.267439 rription:	-75.009593	
16 Entity 2 17 Entity 2 18 Entity 10 2 19	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M: gherty Subdivision- Lot Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other	01/01/2022 O&M Requirement Per the Approved the DEP BMP Material Ol/01/2022 O&M Requirement DEP BMP Material Ol/01/2022	nts: d Plan and nual nts: d Plan and nual	<ul> <li>Permit Number:</li> <li>PAC090223</li> <li>Permit Number:</li> <li>PAC090223</li> <li>Permit Number:</li> <li>PAC090223</li> <li>Permit Number:</li> </ul>	Yes Desc Ves Yes Yes	40.267104 aription: anded Soils 40.267439 aription: anded Soils	-75.009593 -75.009593 -75.010279	
16 Entity 2 17 Entity 18 Entity 19 Entity	Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M: gherty Subdivision- Lot Wet Ponds and Wetlands y Responsible for O&M: gherty Subdivision- Lot Other y Responsible for O&M:	01/01/2022 O&M Requirement Per the Approved the DEP BMP Mail 01/01/2022 O&M Requirement 01/01/2022 O&M Requirement Per the Approved the DEP BMP Mail 01/01/2022	nts: d Plan and nual nts: d Plan and nual nts: d Plan and nual	<ul> <li>Permit Number:</li> <li>PAC0902223</li> <li>Permit Number:</li> <li>PAC0902223</li> <li>PAC090223</li> <li>Permit Number:</li> <li>PAC090223</li> <li>PAC090223</li> </ul>	Yes Desc Ame Yes Desc Yes	40.267104 aription: 40.267104 aription: 40.267439 aription: 40.267439 aription:	-75.009593 -75.009593 -75.010279	

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Lattitude	Longitude	Drain Area
20	Wet Ponds and Wetlands	01/01/2022		~	Yes	40.266108	-75.009074	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Dou 3	gherty Subdivision- Lot	Per the Approved the DEP BMP Ma	d Plan and nual	PAC090223				
21	Other	01/01/2022		~	Yes	40.266108	-75.009074	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Dou 3	gherty Subdivision- Lot	Per the Approve the DEP BMP Ma	d Plan and nual	PAC090223	Ame	ended Soils		
22	Wet Ponds and Wetlands	01/01/2022		~	Yes	40.265743	-75.010219	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Dou 4	gherty Subdivision- Lot	Per the Approve the DEP BMP Ma	d Plan and nual	PAC090223				
23	Other	01/01/2022		~	Yes	40.265743	-75.010219	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Dou 4	gherty Subdivision- Lot	Per the Approve the DEP BMP Ma	d Plan and nual	PAC090223	Ame	ended Soils		
24	Dry Detention Basin	01/01/2021		~	Yes	40.278334	-74.979193	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Wrig Matt	ghtstown Township - thews Ridge	Per the Approve the DEP BMP Ma	d Plan and nual					
25	Dry Detention Basin	01/01/2021		~	Yes	40.278523	-74.980379	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Wrig Matt	yhtstown Township - hews Ridge	Per the Approve the DEP BMP Ma	d Plan and nual					
26	Wet Ponds and Wetlands	01/01/2021		~	Yes	40.279847	-74.977766	
Entit	y Responsible for O&M:	O&M Requiremer	nts:	Permit Number:	Desc	cription:		
Wrig Matt	yhtstown Township - thews Ridge	Per Approved Pla BMP Manual	ans and					

#### MCM #6 – Pollution Prevention / Good Housekeeping Module

le 📀

ヽ

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

When was the inventory last revi	iewed?	06/28/20	)24		
When was it last updated?		06/01/20	20		
IP #2: Develop, implement and I Ilutants from the MS4, as identit e regulated MS4.	maintain a written fied under BMP #1.	O&M program . This program	for all operations th shall address storm	at could contribu water collection o	ite to the discharge of or conveyance systems with
lave you developed a written O8	M program for the	e operations ide	entified in BMP #1?		Yes 🔿 No
Date of last review or update to v	written O&M progr	am:	06/28/2024	苗	
IP #3: Develop and implement a reducing the discharge of polluticeive training.	in employee trainir tants from operatio	ng program the ons to the regu	at addresses approp Ilated small MS4. All	riate topics to fu relevant employ	ther the goal of preventing ees and contractors shall
lave you developed an employee	e training program	?		e	Yes 🔿 No
Date of last review or update to t	raining program:		06/28/2024	曲	
ate of latest training	06/26/2024	莆			
raining topics covered:					
Training topics covered: June 26, 2024- PSAT Webinar Camille Basili. June 18, 2024- Center for Wate Selection- Stream Restoration	optimizing storm ershed Protection 1 Webinar #3 - Ma	water Basin F I- Assessing A ry Stover, P.E.	etrofits for MS4- M Iternative Tools & E , Township Engined	ary Stover, P.E., est Practices to er.	Meagan McKeon & Restoration Approach
Training topics covered: June 26, 2024- PSAT Webinar Camille Basili. June 18, 2024- Center for Wate Selection- Stream Restoration June 11, 2024 - Center for Wate	optimizing storm ershed Protection 1 Webinar #3 - Ma ershed Protection	water Basin F n- Assessing A ry Stover, P.E. n-A Whole Wa	etrofits for MS4- M Iternative Tools & E , Township Engined tershed Approach-	ary Stover, P.E., est Practices to er. Stream Restorat	Meagan McKeon & Restoration Approach ion Webinar #2 - Mary Characters Remaining: 7
Training topics covered: June 26, 2024- PSAT Webinar Camille Basili. June 18, 2024- Center for Wate Selection- Stream Restoration June 11, 2024 - Center for Wate Name(s) of training presenter(s): see above	optimizing storm ershed Protection n Webinar #3 - Ma ershed Protection	water Basin F n- Assessing A ry Stover, P.E. n-A Whole Wa	etrofits for MS4- M lternative Tools & E , Township Engined tershed Approach-	ary Stover, P.E., est Practices to er. Stream Restorat	Meagan McKeon & Restoration Approach ion Webinar #2 - Mary Characters Remaining: 7
Training topics covered: June 26, 2024- PSAT Webinar Camille Basili. June 18, 2024- Center for Wate Selection- Stream Restoration June 11, 2024 - Center for Wate Name(s) of training presenter(s): see above	optimizing storm ershed Protection 1 Webinar #3 - Ma ershed Protection	water Basin F n- Assessing A ry Stover, P.E. n-A Whole Wa	etrofits for MS4- M lternative Tools & E , Township Engined tershed Approach-	ary Stover, P.E., est Practices to er. Stream Restorat	Meagan McKeon & Restoration Approach ion Webinar #2 - Mary Characters Remaining: 7
raining topics covered: June 26, 2024- PSAT Webinar Camille Basili. June 18, 2024- Center for Wate Selection- Stream Restoration June 11, 2024 - Center for Wate Mame(s) of training presenter(s): see above	optimizing storm ershed Protection Webinar #3 - Ma ershed Protection	water Basin F I- Assessing A ry Stover, P.E. I-A Whole Wa	etrofits for MS4- M lternative Tools & E , Township Engined tershed Approach-	ary Stover, P.E., est Practices to er. Stream Restorat	Meagan McKeon & Restoration Approach ion Webinar #2 - Mary Characters Remaining: 7
Training topics covered: June 26, 2024- PSAT Webinar Camille Basili. June 18, 2024- Center for Wate Selection- Stream Restoration June 11, 2024 - Center for Wate Name(s) of training presenter(s): see above Iames of training attendees: see above	optimizing storm ershed Protection Webinar #3 - Ma ershed Protection	water Basin F n- Assessing A ry Stover, P.E. n-A Whole Wa	etrofits for MS4- M lternative Tools & E , Township Engined tershed Approach-	ary Stover, P.E., est Practices to er. Stream Restorat	Meagan McKeon & Restoration Approach ion Webinar #2 - Mary Characters Remaining: 7 Characters Remaining: 99

The Operation & Maintenance Program & Inventory are included in Appendix I. The Training Program is included in Appendix J. Characters Remaining: 3877 MCM #6 Attachments: File Name Document Type **Short Description** Action App I - 2024 O&M.pdf Operation & Maintenance Program & Good Housekeeping/C T Ш (/MS4/Report/GetDocument? Inventorv documentId=8737286) Characters Remaining: 157 App J - 2024 Training . Training Program Program.pdf Stormwater Training F • Ш (/MS4/Report/GetDocument? Characters Remaining: 184 documentId=8737287) Drag and drop file(s) here to upload or Choose File Allowed File Types: PDF, JPG, JPEG, DOC, DOCX, XLS and XLSX |Max File Upload per File: 50MB Complete Module ~ **Pollutant Control Measures (PCMs) Module**  $\bigcirc$ Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable. Anticipated Task Attached **Date Completed Completion Date** 餔 餔 12/01/2018 MM/DD/YYYY Storm Sewershed Map(s) 08/01/2020 Ē MM/DD/YYYY 餔 Source Inventory 08/01/2020 MM/DD/YYYY Ē Ħ **Investigation of Suspected Sources** Ē Ē 12/19/2022 MM/DD/YYYY **Ordinance/SOP for Controlling Animal Wastes** PCM Comments: Pathogen Possible Source Inventory was provided in 2020 Annual Report. No potential sources were found, therefore, no investigation is needed. Storm Sewer shed Map was provided in 2019 Annual Report. The Animal Waste Ordinance was provided in the 2023 Annual Report.

Characters Remaining: 3732

PCM At	tachments:
--------	------------

File Name	Document Type	Short Description	Action				
You may upload attachments here.							
	Drag and drop	file(s) here to upload or <u>Choose File</u>					
	Allowed File Types: PDF, JPG, JPEG, DC	OC, DOCX, XLS and XLSX   <b>Max File Upload per File:</b> 50MB					
		[	Complete Module				

Ø

~

Pollutant Reduction Plans (PRPs) and TMDL Plans Module

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

Type of Plan	Action	Pending Approv	g Submission I al Date I	DEP Approval Date	Surface Waters Addessed by Pla	in
Chesapeake Bay PRP (Appendix D)	<u>Select</u>					
Impaired Waters PRP (Appendix E)	Ø		04/04/2019 (	04/18/2019	Neshaminy Creek	& Jericho Creek
TMDL Plan (Appendix F)	<u>Select</u>					
Combined Chesapeake Bay / Impaired Waters PRP (include Chesepeake Bay in your entry)	<u>Select</u>					
Combined PRP / TMDL Plan	<u>Select</u>					
Joint Plan		(if checke plan belo	ed, list the name of the ow)	MS4 group or nam	es of all entities pa	rticipating in the joint
Joint Plan Participants:						
					Characte	rs Remaining: 1000
						-
. Identify the pollutants of con	cern and po	ollutant load	reduction requireme	nts under the perr	nit.	
. Identify the pollutants of con Type of Plan	cern and p	ollutant load Select	reduction requireme TSS Load Reductio (lbs/yr)	nts under the perr on TP Load R (Ibs/yr)	nit. eduction TI (I	N Load Reduction os/yr)
. Identify the pollutants of con Type of Plan Chesapeake Bay PRP (Append	cern and po	Select	reduction requireme TSS Load Reductio (Ibs/yr)	nts under the perm on TP Load R (Ibs/yr)	nit. eduction TI (I	N Load Reduction ps/yr)
. Identify the pollutants of con Type of Plan Chesapeake Bay PRP (Append Impaired Waters PRP (Append	cern and p dix D) dix E)	ollutant load Select □	reduction requireme TSS Load Reductio (Ibs/yr)	nts under the perr	nit. eduction TI (I	N Load Reduction os/yr)

Type of Plan	Select	TSS Load Reduction (Ibs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
Combined Chesapeake Bay / Impaired Waters PRP				
Combined PRP / TMDL Plan				
Date Final Report Demonstrating Ac	hievement of Po	ollutant Load Reductions D	ue: 0!	9/30/2024
. Have any modifications to the plan(s	s) occurred since	DEP approval?	۲	Yes 🔵 No
<ul> <li>If <u>Yes</u> to #4, was the updated plan(</li> </ul>	s) submitted to	DEP?	0	Yes 🗨 No
<ul> <li>If <u>Yes</u> to #4, did you comply with the appendix?</li> </ul>	ne public partici	pation requirements of the	applicable	Yes 🖲 No
• If <u>Yes</u> to #4, describe the plan mod	Iffications. (You m	ay type below or attach your expl	anation)	
✓ I will attach my explanation			Ch	aracters Remaining: 4000
Summary of progress achieved durir	ng reporting per	iod.		
Please refer to the attached Final	PRP Reports			
			Ch	aracters Remaining: <b>3954</b>
Anticipated activities for next report	ing period.			
Please refer to the attached Final	PRP Reports			
			Ch	aracters Remaining: <b>3954</b>
RP/TMDL Comments:				
Please find the Final PRP reports	for both Nesha	miny Creek and Jericho (	Creek attached.	
			Cl	naracters Remaining: <b>3913</b>
RP/TMDL Plan Attachments:				

92024 RBP Final Report:       DPP Final Report:       Seriative Creek PBP Final Report:       Imported to Creek PBP Final Report:       Importe	File Name	Document Typ	e	Short Descripti	on		Action
92242 RPP Final Report:       Neehaminy Creek PRP Final Report       Characters Remaining: 168	<u>9 2024 PRP Final Report -</u> Jericho Creek Watershed.pdf <u>(/MS4/Report/GetDocument?</u> documentId=8739670)	PRP Final Re	port	Jericho Creek I	PRP Final Report Characters Re	maining: <b>170</b>	Ô
Log and drop file(s) here to upload or <u>Choose File</u> Lewed File Types: PDF. PC, PEG, DOC. COCX.XI.S and XLSV.Max File Upload per File SOMB      Complete Module      Complete Module      MAPS For PRP/TMDL Plan Implementation Module Tables      New BMPS For PRP/TMDL Plan Implementation Table      able 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being     reed toward achieving load reductions in the permittee's PRP and/or TMDL Plan.      fyou are a member of a regional PRP, report only those BMPs implemented within your municipal boundary. If you are reporting a     sint BMP in which credit is shared with another permittee(s), report only your portion of the BMP credit.      Load     Satisfactory Active Lattitude Longitude Drain     Reduction     (IbSyear)      No data available in table      Annual     Sediment     Load     Satisfactory Active Lattitude Longitude Drain     Reduction     (IbSyear)      No data available in table	<u>9 2024 PRP Final Report -</u> <u>Neshaminy Creek.pdf</u> (/MS4/Report/GetDocument? documentId=8739672)	PRP Final Re	port	Neshaminy Cre	eek PRP Final Rep Characters Re	oort rmaining: 168	Ŵ
BMP       New BMP data entered will be prepopulated in the next reporting year.         BMP       No.       BMP Name       Date Installed       Annual Sediment (bs/year)       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       No.       BMP Name       Date Installed       Annual Sediment Load       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       Installed       Date Installed       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       No.       BMP Name       Date Installed       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       No       BMP Name       Date Installed       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       No       BMP Name       Date Installed       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       No       BMP Name       Date Installed       Satisfactory       Active       Latitude       Longitude       Drain Area         BMP       No data available in prior reporting periods and are eligible to use toward achieving load Activition (Ibs/year)       Satisfactory       Active <td></td> <td>Allowed File Types: PDF,</td> <td>g and drop file(s) h JPG, JPEG, DOC, DOCX,</td> <td>ere to upload or <u>Ch</u> XLS and XLSX  <b>Max File U</b> </td> <td>oose File pload per File: 50MB</td> <td></td> <td></td>		Allowed File Types: PDF,	g and drop file(s) h JPG, JPEG, DOC, DOCX,	ere to upload or <u>Ch</u> XLS and XLSX   <b>Max File U</b>	oose File pload per File: 50MB		
BMPs For PRP/TMDL Plan Implementation Module Tables         New BMPs For PRP/TMDL Plan Implementation Table         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.         f you are a member of a regional PRP, report only those BMPs implemented within your municipal boundary. If you are reporting a oint BMP in which credit is shared with another permittee(s), report only your portion of the BMP credit.         Note: Any new BMP data entered will be prepopulated in the next reporting year.         BMP Name       Date Installed         Date Installed       Annual Sediment Load Reduction (Ibs/year)         Sediment Load Reduction (Ibs/year)       No data available in table         BMP Inventory For PRP/TMDL Plan Implementation Table       No data available in table         BMP Inventory For PRP/TMDL Plan Implementation Table       Annual Sediment Load Reduction (Ibs/year)         BMP Name       Date Installed in prior reporting periods and are eligible to use toward achieving load aductions in the permittee's PRP and/or TMDL Plan         BMP Name       Date Installed Reduction (Ibs/year)       Satisfactory Active Lattitude Longitude Prain Area         BMP Name       Date Installed Reduction (Ibs/year)       Satisfactory Active Lattitude Longitude Prain Area         BMP Name       Date Installed Reduction (Ibs/year)       Satisfactory Active Lattitude Longitude Prain Area <td></td> <td></td> <td></td> <td></td> <td>[</td> <td>Complete M</td> <td>lodule</td>					[	Complete M	lodule
New BMPs For PRP/TMDL Plan Implementation Table         Table 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being sed toward achieving load reductions in the permittee's PRP and/or TMDL Plan.         fyou are a member of a regional PRP, report only those BMPs implemented within your municipal boundary. If you are reporting a oint BMP in which credit is shared with another permittee(s), report only your portion of the BMP credit.         int BMP in which credit is shared with another permittee(s), report only your portion of the BMP credit.         int BMP new       Date Installed         Sediment No.       BMP Name         Date Installed       Annual Sediment Reduction (lbs/year)         No data available in table       No data available in table         BMP Inventory For PRP/TMDL Plan Implementation Table       No data available in prior reporting periods and are eligible to use toward achieving load acluctions in the permittee's PRP and/or TMDL Plan         BMP Name       Date Installed       Annual Sediment Load Satisfactory Active Lattitude Longitude Drain Area         BMP Inventory For PRP/TMDL Plan Implementation Table       Annual Sediment Load Satisfactory Active Lattitude Longitude Drain Area         BMP Name       Date Installed       Satisfactory Active Lattitude Longitude Drain Area         BMP Name       Date Installed Sediment Load Reduction (Ibs/year)       Satisfactory Active Lattitude Longitude Drain Area         BMP Name       Date Installed	BMPs For PRP/TMDL Plan Impl	lementation Mod	ule Tables				^
Pable 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being seed toward achieving load reductions in the permittee's PRP and/or TMDL Plan.         Fyou are a member of a regional PRP, report only those BMPs implemented within your municipal boundary. If you are reporting a oint BMP in which credit is shared with another permittee(s), report only your portion of the BMP credit.         Idee: Any new BMP data entered will be prepopulated in the next reporting year.         BMP       Date       Date         Installed       Sediment       Satisfactory       Active       Lattitude       Longitude       Drain         MP       No.       BMP Name       Date       Sediment       Satisfactory       Active       Lattitude       Longitude       Drain         SMP       No.       BMP Name       Date       Sediment       No data available in table         BMP       Inventory For PRP/TMDL Plan Implementation Table       No data available in table       Annual         Sediment       Load       Satisfactory       Active       Lattitude       Longitude       Drain         BMP Inventory For PRP/TMDL Plan Implementation Table       Annual       Sediment       Sediment       Satisfactory       Active       Lattitude       Longitude       Drain         BMP       No.       BMP Name       Date       <	New BMPs For PRP/TMDL Plan In	nplementation Tab	le				
Arrea         BMP No.       BMP Name       Date Installed       Annual Sediment Load Reduction (Ibs/year)       Satisfactory       Active       Lattitude       Longitude       Drain Area         Sediment Load Reduction (Ibs/year)       No data available in table         No.         Satisfactory       Active       Lattitude       Longitude       Drain Area         Satisfactory For PRP/TMDL Plan Implementation Table         Satisfag structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load eductions in the permittee's PRP and/or TMDL Plan       Annual Sediment Load Reduction (Ibs/year)       Satisfactory       Active       Lattitude       Longitude       Drain Area         BMP No.       BMP Name       Date Installed       Satisfactory Reduction (Ibs/year)       Active       Lattitude       Longitude       Drain Area         No. data available in table	Table 2. List all new structural BMP         used toward achieving load reducti         If you are a member of a regional         joint BMP in which credit is share	s installed and ongo ons in the permitte PRP, report only th d with another per	bing non-structura e's PRP and/or TM nose BMPs impler mittee(s), report	al BMPs implemente DL Plan. mented within you only your portion o	ed during the repor r municipal bound ff the BMP credit.	ting period that a ary. If you are rep	re being orting a
BMP No.       BMP Name       Date Installed       Annual Sediment Load Reduction (Ibs/year)       Satisfactory       Active       Lattitude       Longitude       Drain Area         Image: Sediment Ios/(Sediment (Ibs/year)         No data available in table         Image: Sediment Ios/(Sediment)         Image: Sediment (Ibs/year)         No data available in table         Image: Sediment Implementation Table         Satisfactory PRP/TMDL Plan Implementation Table         Image: Sediment Implementation Table         Satisfactory PRP/TMDL Plan Implementation Table         Satisfactory Sediment Implementation TMDL Plan         Sediment Ioad         Sediment Ioad         Sediment Ioad       Satisfactory Active Ioad       Longitude Iongitude Ioad         BMP No.       BMP Name       Date Installed       Satisfactory Active Ioatitude Iongitude I	Note: Any new BMP data entered w	vill be prepopulated	l in the next repor	ting year.			
BMP Inventory For PRP/TMDL Plan Implementation Table         'able 3. All existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load eductions in the permittee's PRP and/or TMDL Plan         BMP No.       BMP Name         Date Installed       Sediment Load Sediment Load Reduction (lbs/year)         No data available in table	BMP BMP Name No.	Date Installed	Annual Sediment Load Reduction (Ibs/year)	Satisfactory	Active Lattituc	le Longitude	Drain Area
BMP Inventory For PRP/TMDL Plan Implementation Table         'able 3. All existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load eductions in the permittee's PRP and/or TMDL Plan         BMP Name       Date Installed         Date Installed       Sediment Load         Load       Satisfactory       Active         No.       No data available in table			No data availa	able in table			
BMP Name Date Date Installed Annual Sediment Load Satisfactory Active Lattitude Longitude Area Reduction (Ibs/year)	BMP Inventory For PRP/TMDL Pla Table 3. All existing structural BMPs reductions in the permittee's PRP a	an Implementation s that have been ins ind/or TMDL Plan	Table	orting periods and a	are eligible to use to	ward achieving lo	ad
No data available in table	BMP BMP Name No.	Date Installed	Annual Sediment Load Reduction (Ibs/year)	Satisfactory	Active Lattituc	le Longitude	Drain Area
			No data availa	able in table			

## **Appendix A:**

### **Public Education & Outreach Plan**

#### Public Education & Outreach Plan

Permittee Name:	Wrightstown Township, Bucks C	
Mailing Address: 2203	Second Street Pike	City, Wrightstown, PA 18940 State, Zip:
MCM #1 Contact Person:	Gregg Schuster	Title: Interim Township Manager
Phone Number:	(215) 598-3313	Email: manager@wrightstownpa.org
Plan Goal: To provide storm they will have an increased a local and downstream water streams, lakes and rivers.	water education to residents and awareness about stormwater and rways and be encouraged to help	I businesses within the Township so that I the impacts of stormwater discharges on the Township reduce pollutants to our
Target Audiences: Resident Strategies and Target Audier	s, Schools, Developers, Businesse nces)	25, Municipal Employees (see attached
* at leas	Stormwater Educational N	Materials
Material Type	Material Name: Municipal Web	
Newsletter	Distribution Method: Online	
Pamphlet/Flyer	Distribution Audience <sup>,</sup> All traffi	ic to municipal website
🔲 Website: (provide url)	MCM(c) Addressed: 1, 2, 2, 4, 8	2 E
<u>wrightstownpa.org</u>	Description of Contents: The we Stormwater Management Progr There are links to the following "After the Storm", "Make your H Pollution", "What the Construct Stormwater", "A Guide to Yard Y Stormwater Inlets" and "Swimm webpage also includes a section information about the operation stormwater facilities. Copies of Neshaminy Creek and Jericho Cu Links to the PADEP and EPA stor "Links" page of the Township we Date Material Last Reviewed: 6/	rebsite includes a description of the MS4 ram and the 6 minimum control measures. pamphlets: "When it Rains, it Drains", Home the Solution to Stormwater tion Industry should know about Waste and Lawn Care", "No Dumping to ning Pool Water Discharge Guidelines." The n from the Township Ordinances with and maintenance requirements for f the Pollution Reductions Plans for treek are also available on this webpage. rmwater programs are available on the rebsite.

*at least 2 ac	Additional Stormwater Educational Materials dditional educational material distribution methods are required
Material Type:	Material Name: Pamphlets/Flyers related to MS4 and Water Quality
Newsletter     Remphlet/Elver	Distribution Method: Available at the Township Building
Display/Poster	Distribution Audience: Residents
Presentation/Conference     Newspaper	MCM(s) Addressed: 1, 2 & 5
Radio/ TV     Other Advertisement:	Description of Educational Material: Stormwater/MS4 related information regarding the Township's Stormwater Management Program and ways the residents/businesses can help reduce pollutants to the waterways.
	Date Material Last Reviewed: 6/2024
	Date Material Last Updated:6/2020
Material Type:	Material Name: Construction related MS4 flyer
Newsletter     Pamphlet/Flyer	Distribution Method: Distributed with Building, Grading and Zoning permit applications
Display/Poster     Presentation/Conference	Distribution Audience: Contractors/Residents/Businesses/Developers
□ Newspaper	MCM(s) Addressed: 4
□ Radio/ TV □ Other Advertisement: 	Description of Educational Material: General water quality information, overview of storm water permit requirements, and/or tips for implementing erosion and sediment control practices
	Date Material Last Reviewed: 6/2024
	Date Material Last Updated: 6/2020
Material Type:	Material Name: Public Township Meetings
Newsletter     Pamphlet/Flyer	Distribution Method: Public Meetings at Township Building/Minutes on Website
Display/Poster Presentation/Conference	Distribution Audience: Residents/Businesses
Newspaper     Dedic (T)(	MCM(s) Addressed: 1, 2, 3, 4, 5 & 6 and PRP Plans and/or PCMs
Other Advertisement:	Description of Educational Material: Stormwater/MS4 related information is discussed at regular public meetings of the Township, as needed. A minimum of one public meeting discussion will be held during the permit term to discuss the Township's Stormwater Management Program.
	Date Material Last Reviewed: 6/2024
	Date Material Last Updated: 6/2020

\* Attach Additional Sheets as Necessary

*at least 2 ac	Additional Stormwater Educational Materials dditional educational material distribution methods are required
Material Type:	Material Name: Information regarding Stormwater/MS4 related topics
Newsletter     Pamphlet/Elver	Distribution Method: Local Cable TV Channel
Display/Poster	Distribution Audience: Residents/Businesses
Presentation/Conference	MCM(s) Addressed: 1,2,3, 4 & 5
Radio/ TV	Description of Educational Material: Stormwater/MS4 rated information is provided on Cable TV Channel.
	Date Material Last Reviewed: 6/2024
	Date Material Last Updated: 6/2020
Material Type:	Material Name: Neshaminy Watershed Spring Newsletter
Newsletter Pamphlet/Flyer	Distribution Method: Email
Display/Poster	Distribution Audience: Residents
Presentation/Conference	MCM(s) Addressed: 1,2, 3 & 6
□ Radio/ TV □ Other Advertisement: 	Description of Educational Material: Description of watersheds, Stormwater/MS4 BMPs and pollution sources.
	Date Material Last Reviewed: 9/24/2023
	Date Material Last Updated: 9/24/2023
Material Type:	Material Name:
Newsletter     Pamphlet/Flver	Distribution Method:
Display/Poster	Distribution Audience:
Presentation/Conference     Newspaper	MCM(s) Addressed:
□ Radio/ TV	Description of Educational Material:
□ Other Advertisement: 	
	Date Material Last Reviewed:
	Date Material Last Updated:

		PHASE II STORMWATER MANAGE	EMENT PROGRAM	June 2024
		WRIGHTSTOWN TOV	VNSHIP	
		<b>PUBLIC EDUCATION STRATEGIES AN</b>	ID TARGET AUDIENCES	
Who are we	How Large is the Audience?	How do they Receive	What Organizations Focus on	Strategies for Distributing
Trying to Educate?		Information?	Them?	Educational Materials
Municipal	<ul> <li>Public Works Employees</li> </ul>	<ul> <li>Paychecks</li> </ul>	<ul> <li>American Public Works Association</li> </ul>	<ul> <li>Provide Information on Township</li> </ul>
Employees	<ul> <li>Planning &amp; Zoning Employees</li> </ul>	<ul> <li>Township Newsletter</li> </ul>	<ul> <li>PSATS</li> </ul>	Website
	<ul> <li>Planning Commission Members</li> </ul>	<ul> <li>Website: wrightstownpa.org</li> </ul>		<ul> <li>Allow employees to attend appropriate</li> </ul>
	<ul> <li>Administrative Staff</li> </ul>	<ul> <li>Handouts</li> </ul>		seminars or workshops
	<ul> <li>Township Engineer's Staff</li> </ul>	Seminars		<ul> <li>Discuss issues at staff meetings and</li> </ul>
				public meetings
Residents	<ul> <li>Population: 3,286 (2020 Census)</li> </ul>	<ul> <li>Local Newspaper: Courier Times</li> </ul>	<ul> <li>Middleown Grange Fair</li> </ul>	<ul> <li>Provide Information on Township</li> </ul>
	<ul> <li>Households:1,190 (2020 Census)</li> </ul>	and Intelligencer	<ul> <li>Wrightstown Farmers Market</li> </ul>	Website
		<ul> <li>Township Website</li> </ul>	<ul> <li>Anchor Run Farm</li> </ul>	<ul> <li>Provide Information on Township Cable</li> </ul>
		<ul> <li>Village Library of Wrightown</li> </ul>	<ul> <li>Boy/Girl Scouts</li> </ul>	Channel
			<ul> <li>Local Sports Organizations</li> </ul>	<ul> <li>Discuss issues at Public Meetings</li> </ul>
			<ul> <li>Churches</li> </ul>	<ul> <li>Provide Information at the Township</li> </ul>
				Building
Schools	<ul> <li>Wrightstown Elementary School</li> </ul>	<ul> <li>Assemblies</li> </ul>	<ul> <li>Boy/Girl Scouts</li> </ul>	<ul> <li>Township Cable Channel</li> </ul>
		Clubs	<ul> <li>Student Clubs</li> </ul>	<ul> <li>Provide information and links on</li> </ul>
			<ul> <li>Local Sports Organizations</li> </ul>	Township Website
Businesses	<ul> <li>Various businesses in Wrightstown</li> </ul>	<ul> <li>Bucks County Courier Times</li> </ul>	<ul> <li>Lower Bucks County Chamber of</li> </ul>	<ul> <li>Wrightstown Township website</li> </ul>
	Township	<ul> <li>The Intelligencer</li> </ul>	Commerce	<ul> <li>Provide information at public meetings</li> </ul>
		<ul> <li>Lower Bucks County Chamber of</li> </ul>		<ul> <li>Provide Information, as needed, to</li> </ul>
		Commerce		Lower Bucks County Chamber of
				Commerce
Developers	<ul> <li>10+ Developers do work in the</li> </ul>	<ul> <li>Township Offices</li> </ul>	<ul> <li>Home Builders Associations</li> </ul>	<ul> <li>Provide Information at the Township</li> </ul>
	Township	<ul> <li>Township Website</li> </ul>	<ul> <li>Lower Bucks County Chamber of</li> </ul>	Offices
		<ul> <li>Local Newspapers</li> </ul>	Commerce	Provide Information on the Township
				Website

# Appendix B: Township Website

#### Wrightstown Township



2203 Second Street Pike Wrightstown PA • 18940

<u>215-598-3313</u>



DID

3

Home About Us Government Departments Services Links Events History Contact Us

#### Storm Water

Stormwater runoff is generated when precipitation from rain and snow melt events flow over land and impervious surfaces and does not infiltrate into the ground. The runoff from streets, lawns, farms, and construction and industrial sites pick up fertilizers, dirt, pesticides, oil, grease, and many other pollutants and discharge into our lakes, streams and rivers. This untreated discharge is detrimental to our water quality as it can adversely affect our drinking water supply and environment. Many Best Management Practices (BMPs), such as detention/retention/infiltration basins, are already in place to help keep our waters clean.

Wrightstown Township regulates stormwater management through a permit that the Township is required to obtain for the Municipal Separate Storm Sewer System (MS4) from the Pennsylvania Department of Environmental Protection (PADEP) through the National Pollution Discharge Elimination System (NPDES) program. This is a Federal requirement from the Unites States Environmental Protection Agency (EPA) that is administered by the PADEP.

The permit includes 6 Minimum Control Measures (MCMs) which are:

- Public Education and Outreach
- Public Participation and Involvement
- Illicit Discharge, Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

In addition, the Township was required to develop Pollution Reduction Plans to address sediment and nutrient impairments in the Neshaminy Creek and Jericho Creek. These plans have been approved by the PADEP and are included in the links below. The Township is also required to investigate potential sources in the Township that may contribute to the pathogen impairment in the Neshaminy Creek.

#### Questions or Illicit Discharges

If you have any questions about storm water or observe any pollutants or an illicit discharge entering the storm sewer, channels or creeks within the Township, please call the Township office at (215) 598-3313.

Here are some links that you may find helpful. These are provided in pdf format and may be referenced, downloaded or printed as necessary.

When it Rains, It Drains

After the Storm

Make Your Home the Solution to Stormwater Pollution

What the Construction Industry Should Know About Storm Water

Ordinance #303

PRP - Neshaminy Creek - January 2019

PRP - Jericho Creek - January 2019

A Guide to Yard Waste and Lawn Care

No Dumping to Stormwater Inlets

Swimming Pool Water Fact Sheet



突张

## **Appendix C:**

# Neshaminy Creek Association Newsletter & Township Facebook Posts

#### Meagan McKeon

From: Sent: To: Subject: Neshaminy Watershed Association <neshaminywatershed@gmail.com> Sunday, September 24, 2023 12:24 PM Mary Stover NWA Fall Newsletter



### Newsletter - Fall 2023

Dear Community Member,

Greetings! We hope you're doing well and are ready to dive into some intriguing insights about native plants and trees in our region through this newsletter.

In this edition, we're going to delve into why native flora is of paramount importance to the ecosystems of Pennsylvania and Bucks County. We always use native plants in our restoration projects. We hope this newsletter will give you some insights into why we do this.

Pennsylvania boasts a rich diversity of native plants, ranging from majestic trees to vibrant wildflowers and tenacious ferns. These native plants have evolved over millennia to thrive in the unique climate and environment of our state. They play a critical role in fostering biodiversity by providing sustenance and habitat for a wide array of wildlife, including birds, butterflies, pollinators, and mammals.

Native plants are those that have naturally existed in a particular region for eons. They have finely tuned themselves to the local climate, soil conditions, and other environmental factors. The significance of native plants lies in their contribution to the ecosystem – they offer nourishment and shelter to wildlife, assist in water filtration, erosion prevention, and even contribute to air quality regulation.

On the flip side, we have invasive plants, which are non-native species that have invaded new areas and spread aggressively. These interlopers can outcompete native plants for resources such as sunlight, water, and nutrients. Moreover, they can disrupt entire ecosystems by altering plant communities and food webs, ultimately affecting biodiversity, the economy, and even human health.

The advantages of native plants to Pennsylvania's ecosystem are numerous:

1. Pollinators: Native plants serve as a lifeline for pollinators like bees, butterflies, and moths, which are pivotal for the reproduction of various plants, including essential food crops.

2. Wildlife: Native plants act as the cornerstones of wildlife habitats, offering sustenance and refuge to a wide spectrum of

creatures, from birds and mammals to reptiles. They're especially crucial for endangered and threatened species.

3. Water Quality: Native plants are natural water filters, playing a vital role in preserving water quality and minimizing pollution.

4. Air Quality: Native plants help in absorbing carbon dioxide and releasing oxygen, thus enhancing air quality and mitigating the impacts of climate change.

5. Soil Health: Native plants improve soil health by enriching it with organic matter and preventing erosion, thereby promoting robust plant growth and reducing the need for artificial fertilizers and pesticides.

The significance of native plants extends beyond ecology to encompass Pennsylvania's economy and overall quality of life. They support recreation and tourism, provide essential food sources and medicinal resources, and create employment opportunities in agriculture and forestry. Furthermore, native plants help reduce the financial burden associated with stormwater management and contribute to public health improvements.

By embracing native plant cultivation in our yards, gardens, and communities, we become stewards of Pennsylvania's biodiversity, champions of environmental improvement, and contributors to a thriving economy. Some notable native plants are shown (clockwise) below.

Beebalm Black-eyed susans Redbud Swamp milkweed



On the other hand, invasive plants such as japanese knotweed, multiflora rose, purple loosestrife and garlic mustard pose significant ecological challenges and should be removed from the ecosystem if possible.

To sum it up, native plants are the backbone of Pennsylvania's well-being. They play a pivotal role in supporting wildlife,

maintaining water and air quality, and fortifying soil health. They also make significant contributions to the state's economy and our overall quality of life. By cultivating native plants, we can all play a part in creating a healthier and more sustainable future for Pennsylvania.

If you are interested in learning more about using native plants on your property, check out the <u>Home Grown National Park</u> <u>project</u>.

We extend our gratitude for your continued support of the Neshaminy Watershed Association, and we invite you to join our community by signing up for upcoming planting events planned for this fall.

Check out our new <u>Volunteer Opportunity Calendar</u> to learn about upcoming activities we have planned.

Check out our new <u>Restoration Sites Nearby</u> app to learn about sites near you.

Wishing you an inspired journey, Neshaminy Watershed Association

Join our community email list if you have not already



Copyright © 2023 Neshaminy Watershed Association, All rights reserved. You are receiving this email because you opted in via our website.

> Our mailing address is: Neshaminy Watershed Association 116 Circle Dr Chalfont, PA 18914-2021

Add us to your address book

Want to change how you receive these emails? You can <u>update your preferences</u> or <u>unsubscribe from this list</u>.






Wrightstown Township May 2 · 🕲

Reminder to all dog owners within the Township ordinance #325, dog owners are required to pick up after their dogs and to properly dispose of their waste!

It is UNLAWFUL for a dog to defecate on the private property of ANYONE besides the dog's owner's (Ordinance #325)

-----... See more





Water Cycle Glossary of Terms The water supply of Earth is a required element for life to exist and ...



Wrightstown Township November 15, 2023 · 🕑

Did you the Penn State Extension provides stormwater education? Learn more about the range of programs and information available here!

-----... See more



#### EXTENSION.PSU.EDU



Penn State Extension delivers science-based information about Agronomy, Animal Systems, Food Safety, Home Gardening, and more. Brow...



October 19, 2023 · O

DRUG TAKE BACK DAY is Coming Soon!

🍪 Saturday, October 28 from 10 am – 2 pm 🍅

Safely Dispose of Unused, Unneeded or Expired Medications and Vaping Devices!

Visit one of the sites located in Bucks County or Find a location Near You and See What's Accepted!

#BucksCoTakeBack2023 #RxTakeBackDay2023 #fyp '/ #newsfeed #Newtown #DrugTakeBackDay #DrugTakeBack #disposal #businesstips #BucksCounty

#### BCDAC.ORG

Welcome to Bucks County Drug Alcohol Commission, Inc



SAT, AUG 12 Household Hazardous Waste Collection Event Bucks County Technical High School 209 people interested



Appendix D: Cable TV Slides Wrightstown Township Cable TV Slides – 2024

# **Stormwater Update**

Wrightstown Township strives to improve our existing Stormwater Management Program using:

- Public Education & Outreach
- Public Involvement
- Illicit Discharge Detection & Elimination
- Construction Site Run-off Control
- Post-Construction Stormwater Management
- Municipal Pollution Prevention

# Stormwater Update

Further Information is available from:

PA Department of<br/>Environmental<br/>ProtectionUS Environmental<br/>Protection Agency<br/>www.wrightstownpa.orgWww.wrightstownpa.orgwww.epa.gov

www.dep.pa.gov







Wrightstown Township Cable TV Slides – 2024

# STORMWATER TIPS

 NEVER DISPOSE OF HAZARDOUS SUBSTANCES IN ANY PART OF THE STORM SEWER SYSTEM, SUCH AS:

- **O USED MOTOR OIL**
- **o CLEANING SUPPLIES**
- **o PAINT**

 USE PESTICIDES, FERTILIZERS AND HERBICIDES PROPERLY TO AVOID EXCESS RUNOFF

REPORT ANY DISCHARGE FROM STORMWATER OUTFALLS
 DURING DRY WEATHER (THIS IS A SIGN OF A PROBLEM)

## **STORMWATER TIPS**

- LOOK OUT FOR POLLUTIVE DEBRIS (SUCH AS SOIL AND OTHER CHEMICALS) COMING FROM CONSTRUCTION SITES OR ROAD VEHICLES!
  - REPORT POORLY MANAGED CONSTRUCTION SITES THAT
     COULD IMPACT OUR TOWNSHIP'S STORMWATER RUNOFF
- INSTALL INNOVATIVE STORMWATER PRACTICES ON RESIDENTIAL PROPERTIES, SUCH AS:
  - **O RAIN BARRELS**
  - **O RAIN GARDENS** 
    - O THESE METHODS CAPTURE STORMWATER AND KEEP IT ON-SITE, RATHER THAN LETTING IT DRAIN AWAY

Wrightstown Township Cable TV Slides – 2024



# Appendix E:

## Public Involvement & Participation Plan

#### Public Involvement & Participation Plan

Permittee Name:	Wrightstown Township, Bucks (	County, PA
Mailing Address: 2203 Secon	d Street Pike	City, State, Zip: Wrightstown, PA 18940
MCM #2 Contact Person: G	regg Schuster	Title: Interim Township Manager
Phone Number: (215) 598-33	13	Email: manager@wrightstownpa.org
Plan Goal: To encourage invo opportunities for the public t implementation, and update	vlvement in the municipal stormv to participate in the decision-mak of the Township's stormwater-re	vater management program by providing king processes associated with the development, elated policies, ordinances, and projects.
Efforts shall be made to enga	Target Audier	nces ecision-making processes associated with the
The following methods shall	Routine Commun be used to communicate with ta	<b>ications</b> rget audiences listed above.
⊠ Municipal Website url: <u>wrightstownpa.</u>	org	☑ Flyers Location: <u>Township Building Lobby</u>
Municipal Newsletter		Location:
⊠ Social Media Outreac ⊠ Facebook □ Twitter □ Nextdoor □ Other	h	Location: Target email Email list: Mailings
Newspaper Advertise Newspaper Name (s	ments ):	⊠ Other: <u>Cable TV Channel</u>

#### **Public Involvement**

Potential opportunities that may be provided to the public to participate in the development, update and implementation of the SWMP are listed below.

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

Event/Project: Required Public Meeting

Target Audience to be engaged: Residents in the Township

Description of Public Involvement: During a scheduled public meeting, there will be a discussion of the Township's Stormwater Management Program including progress that has been made, recently installed BMP projects and future planned BMPs and/or activities. After the discussion by the Board/Committee, the public will be given time to ask questions and/or provide feedback. A Public Meeting was held on March 28, 2019 where the Township MS4 Stormwater Management Program was discussed.

Event/Project: Illicit Discharge Reporting

Target Audience to be engaged: Residents/Businesses in the Township

Description of Public Involvement: Information on identifying and reporting of illicit discharges is provided on the Township website. Citizens are encouraged to report any suspected illicit discharges to the Township using the telephone number provided on the Township website.

Event/Project: Recycling/Hazardous Waste Collection

Target Audience to be engaged: Residents

Description of Public Involvement: The Township encourages residents to participate in the hazardous waste collection events in Bucks County. Events/information is posted on the Township website.

Event/Project:

Target Audience to be engaged: Description of Public Involvement:

Event/Project:

Target Audience to be engaged:

Description of Public Involvement:

\* Attach Additional Sheets as Necessary

Additional Cooperation with Target Audiences						
The foll	owing section documents additional instances of	public involvement in the SWMP conducted in				
coordin	ation with targeted Audiences.					
	Public	Input				
Prior to	adoption, modification, or submission to DEP, th	ne following documents will be advertised for public				
input:		-				
Orc Sta	linances ndard Operating Procedures (SOPs)					
Pol	lutant Reduction Plans (PRPs)					
TM	DL Plans (if applicable)					
For Ord	inances and SOPs, the public input process will	For PRPs and TMDL Plans, the public participation				
include	the following steps:	requirements specific in the permit appendices shall				
1.	Provide notice to the public;	be followed and documented.				
2.	Provide opportunities for public comment;					
3.	Document and evaluate the public comments;					
4.	Document responses to the comments prior to finalizing the Ordinance or SOP. The response to comments document shall be kept of file with other SWMP documentation and may be requested by DEP.					

<b>Report Availability</b> Annual MS4 Status Reports and all other permit required plans, programs, maps, and reports are available to the public via the methods described below.						
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation	Document Name: Pollution Reduction Plan         Availability to public (at least one option must be checked):         Image: Website (list url):					
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation	Document Name: Wrightstown Township Stormwater Management Ordinance         Availability to public (at least one option must be checked):            Website (list url):wrightstownpa.org             Yor view in municipal office:Available upon request             By mail by request:             Other:					
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation	Document Name: MS4 Maps         Availability to public (at least one option must be checked):         Website (list url):					
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation * Attach Additional Sheets as	Document Name: Public Meeting Minutes for MS4 Discussions by BOS         Availability to public (at least one option must be checked):         Image: Website (list url):wrightstownpa.org         Image: For view in municipal office:Available upon request         Image: By mail by request         Image: Other:					

<b>Report Availability</b> Annual MS4 Status Reports and all other permit required plans, programs, maps, and reports are available to the public via the methods described below.					
Document Type:	Document Name: MS4 Annual Reports				
<ul> <li>Pollutant Reduction</li> <li>Plan</li> <li>Stormwater</li> <li>Management Ordinance</li> <li>Other MS4</li> <li>Documentation</li> </ul>	Availability to public (at least one option must be checked):    Website (list url):				
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation	Document Name:         Availability to public (at least one option must be checked):         Website (list url):         For view in municipal office:         By mail by request:         Other:				
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation	Document Name:         Availability to public (at least one option must be checked):         Website (list url):         For view in municipal office:         By mail by request         Other:				
Document Type: Pollutant Reduction Plan Stormwater Management Ordinance Other MS4 Documentation	Document Name:         Availability to public (at least one option must be checked):         Website (list url):				

# JUNE 2024

PHASE II STORMWATER MANAGEMENT PROGRAM

# Appendix F: Board of Supervisors Minutes

#### WRIGHTSTOWN TOWNSHIP BOARD OF SUPERVISORS

#### **REGULAR MEETING MAY 6, 2024**

The Wrightstown Township Board of Supervisors met on Monday, May 6, 2024, in the Meeting Room of the Wrightstown Township Municipal Building, 2203 Second Street Pike, Wrightstown, PA. Chair Chester S. Pogonowski called the meeting to order at 7:30 P.M. Present were Vice Chair Jane B. Magne, Treasurer Robert S. Lloyd, Solicitor Vicki Kushto, Township Engineer Cindy VanHise, and Township Manager Stacey Mulholland.

#### **PUBLIC COMMENT:**

There was none.

#### **SOLICITOR'S REPORT:**

- A. Newtown Area Joint Comprehensive Plan, Resolution #2024-13. Jeremy Stoff, Planner from the Bucks County Planning Commission presented the proposed Joint Comprehensive Plan. He provided a detailed presentation covering the background, planning process, overview, and key highlights. After his presentation, the Board deliberated and adopted the proposed 10-year Plan. Vice Chair Magne made a motion to adopt Resolution #2024-13 which was seconded by Treasurer Rob Lloyd. The motion was unanimously approved.
- **B.** 239 Ridge Avenue, Conditional Use Hearing. Anthony and Giuseppina Hipple, represented by Attorney Matt McHugh, have proposed improvements to the buffer overlay zone encompassing 239 and 241 Ridge Avenue and merging lots 3 and 4. The revised plans would include removal of the existing driveway and construction of a new, wider driveway with general access to both the existing single-family dwelling and any future building areas. Adjustments to the building layout were made to comply with impervious surface regulations, specifically targeting an 8% threshold, aligning with the widened driveway. During deliberations, Dave O'Donnell, a neighbor at 285 Ridge Avenue, inquired about the restoration of the original two ponds and potential traffic ramifications stemming from commercial development. While Anthony Hipple expressed willingness to reconstruct the ponds eventually, Attorney McHugh affirmed the Hipples' commitment to adhering to all pertinent zoning regulations and ordinances for any commercial construction endeavors. Following a motion by Chair Pogonowski and seconded by Vice Chair Magne, the Board tasked Solicitor Kushto with drafting a formal decision of approval, contingent upon specified conditions. The motion was unanimously approved.
- **C. JMZ Ordinance Expansion of Non-Conforming Structures.** Solicitor Kushto opened a hearing on the proposed amendment to the Joint Zoning Ordinance regarding the expansion of non-conforming structures. It had been circulated to the Bucks County Planning Commission, as well as to Upper Makefield and Newtown Townships where it had been recommended for adoption. Treasurer Lloyd made a motion to approve Wrightstown Ordinance #334, which was seconded by Vice Chair Magne. The motion was unanimously approved.
- **D.** Intergovernmental Agreement Ordinance 335. Solicitor Kushto presented Wrightstown Ordinance #335 authorizing the Chair to sign Addendum 9 to the Jointure agreement. This revision codifies the current working relationship between the three municipalities. On a motion by Chair Pogonowski, seconded by Vice Chair Magne, the motion was unanimously approved.

#### **ENGINEER'S REPORT:**

- A. MS4 DEP Grant, Resolution #2024-10. Engineer Van Hise revisited the previously discussed MS4 restoration permit that was approved and requested Board approval to apply for a DEP Water Restoration Grant for \$292,000. On a motion by Vice Chair Magne and seconded by Treasure Lloyd, the Board unanimously approved Resolution #2024-10.
- **B.** 2024 Road Program Bids for Base Repairs on Park Avenue. Engineer Van Hise presented two bid options for base repairs on Park Avenue. Associated Paving Contractors provided the lowest bid. Chair Pogonowski made a motion to award the bid to Associated Paving Contractors for \$33,500, which was seconded by Treasurer Lloyd. The motion was unanimously approved. A summary of the bid tabulation is attached.

#### **ANNOUNCEMENTS:**

Vice Chair Magne announced that the final day of the Village Library's Spring Book Sale would be Thursday, May 9 from 10 A.M. to 6 P.M. Additionally, a Virtual Art Workshop would be held on Monday, May 13 from 6:30 to 7:45 P.M. Most Library programs will be held outdoors in the new pavilion while the Community Room is unavailable. Manager Mulholland gave an update on obtaining painter quotes for repainting the Community Room.

#### **SUPERVISORS' COMMENTS:**

Vice Chair Magne addressed a resident's concern regarding customers of Dunkin Donuts parking in the Anchor Crossing parking lot and crossing Route 413 to access the business located on the opposite side of the road. In addition, vehicles have been reported to be parking on the shoulder of 413 rather than utilizing the Dunkin parking lot. Of concern is the safety risk posed to individuals navigating the busy roadway. Engineer Van Hise and Solicitor Kushto will review possible options to establish a No Parking designation along Rt. 413 at that location. Manager Mulholland also contacted PADOT about enforcement procedures.

#### **MANAGER'S REPORT:**

- A. Washington Crossing Bridge, Resolution #2024-11. Manager Mulholland reported on a previously drafted resolution stating the Board's opposition to the Washington Crossing Bridge Replacement study. Included in the resolution were Solicitor Clemons' edits that propose making it a one-way bridge supported by traffic signals on both ends. Vice Chair Magne made a motion to approve Resolution #2024-11, which was seconded by Treasurer Lloyd. The motion was unanimously approved.
- **B. PADOT Traffic Signal Maintenance Agreement, Resolution #2024-12**. Manager Mulholland introduced a new PADOT procedure necessitating an updated maintenance plan, submitted by the Township Traffic Engineer. Along with the Township sign-off on revised ADA curb ramp plans at the Swamp Road and Route 232 intersection, PADOT has mandated a master agreement for traffic signal upgrades and a resolution for future upgrades. Chair Pogonowski moved to approve resolution #2024-12, which was seconded by Vice Chair Magne. The motion was unanimously approved.
- **C. Quotes for New Mower.** Manager Mulholland reported that a mower used by Public Works, and needed during the summer season, had reached the end of its useful lifespan. Options presented included repairing the existing mower, subcontracting mowing services, or procuring a new mower. The cost for each was discussed, along with multiple quotes for purchasing a new mower. The Board opted to defer the discussion to the next meeting and requested the Manager explore lending options in the interim.

**D. Emergency Management Services Fund Account.** Manager Mulholland reported that an EMS Fund account with First National Bank and Trust, used as a transfer account has a balance minimum attached to it to avoid service fees. Township Financial Coordinator Kim Kleinguenther suggested that the fund be moved from a money market account into a commercial checking account. Chair Pogonowski made a motion authorizing the movement of funds and Treasurer Lloyd seconded it. The motion was unanimously approved. The Manager was authorized to notify First National Bank of the Board's decision.

#### **APPROVAL OF BILLS:**

On a motion by Vice Chair Magne, seconded by Treasurer Lloyd, the attached April 15, 2024, bills list was approved unanimously. See attached.

On a motion by Vice Chair Magne, seconded by Treasurer Lloyd, the attached April 29, 2024, bills list was approved unanimously. See attached.

On a motion by Vice Chair Magne, seconded by Treasurer Lloyd, the attached May 6, 2024, bills list was approved unanimously. See attached.

#### **APPROVAL OF MINUTES:**

On a motion by Chair Pogonowski, seconded by Treasurer Lloyd, the Board of Supervisors minutes of April 8, 2024, with edits, were unanimously approved.

#### **UNFINISHED BUSINESS:**

There was none.

#### **NEW BUSINESS:**

There was none.

#### **PUBLIC COMMENT:**

There was none.

#### **EXECUTIVE SESSION:**

There was none.

#### **ADJOURNMENT:**

On a motion by Treasure Lloyd, seconded by Vice Chair Magne, all voted to adjourn. The meeting was adjourned at 9:15 P.M.

Respectfully submitted,

Stacey Mulholland, Manager

Attachments: Bid Tabulation, Bills List of April 15, 2024, April 29, 2024, and May 6, 2024

# Appendix G: Illicit Discharge Detection & Elimination Program

#### I. Unanticipated Non-Compliance or Potential Pollution Reporting

#### Immediate Reporting of Substance that is a danger of pollution or threat to property

If, because of an accident, other activity or incident, a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution of would damage property, the municipality shall:

- <u>Immediately</u> notify Pennsylvania Department of Environmental Protection (PADEP) by telephone of the location and nature of the danger:
  - $\circ\quad$  484-250-5900 between 8:00 AM and 4:00 PM
  - o 1-800-541-2050 between 4:00 PM and 8:00 AM
- Oral notification to the PADEP is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
- If reasonably possible to do so, the municipality should immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged including the location and nature of the discharge.
- The municipality shall take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution.
- Within 15 days from the incident, the municipality shall remove the residual substances contained thereon or therein from the ground and from the affected waters of the Commonwealth to the extent required by law.

Reporting for Any Pollutants which may endanger health or the environment

- 24 Hour Reporting The municipality shall orally report to PADEP any non-compliance with the MS4 permit which may endanger health or the environment within 24 hours from the time the municipality becomes aware of the circumstances.
- Written Report A written submission must be provided to the PADEP within 5 days of the time the municipality becomes aware of any non-compliance which may endanger health or the environment. The written report should contain:
  - A description of the non-compliance and its cause
  - The period of non-compliance including exact dates and times
  - The anticipated time it is expected to continue if the non-compliance has not been corrected
  - Steps taken or planned to reduce, eliminate and prevent reoccurrence of the non-compliance
- Waiver of Written Report PADEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the municipality becomes aware of the circumstances which may endanger health or the environment.

Reporting for Any Other Non-Compliance

• All instances of non-compliance that were not reported as described above should be reported in the MS4 Annual Report and include the items listed in the Written Report requirements above.

#### II. Identifying Priority Areas

Priority areas for potential illicit discharges would include areas where potential pollutants may be present. Priority areas may include:

- Industrial areas
- Commercial areas/restaurants
- Areas with on-lot sewage disposal systems
- Areas with known sanitary sewer overflows
- Areas with a past history of water pollution problems

#### III. Screening Outfalls

- All outfalls or observation points are to be screened during dry weather at least once during the 5-year permit period.
- Any outfalls where flow had been observed at the last screening should be screened annually.
- The PADEP MS4 Outfall Field Screening Report form should be used to record the results of the outfall screening for each location. The Report form must include the location, date, time, the name of the inspector and responses to all appropriate questions on the form. The form must be signed by the person responsible for the screening.
- If there is flow found during the dry weather screening, the discharge should be inspected for color, odor, floating solids, scum, sheen, and substances that result in observed deposits in the surface waters.
- If the discharge exhibits any of the characteristics listed above, the discharge should be sampled for field and/or laboratory analysis of one or more common illicit discharge parameters to determine if the flow contains an illicit substance.
- Possible parameters for analysis include, but are not limited to, the following:
  - о рН
  - Conductivity
  - Fecal Coliform bacteria
  - Heavy Metals
  - Chemical Oxygen Demand (COD)
  - 5-day Biological Oxygen Demand (BOD5)
  - Total Suspended Solids (TSS)
  - Total Dissolved Oxygen (TDS)
  - Oil and Grease
  - Total Residual Chlorine (TRC)
  - Ammonia-Nitrogen
- Monitoring must be conducted according to test procedures approved under 40 CFR part 136 unless another method is required under 40 CFR Subchapters N or O.
- Proper quality assurance and quality control procedures must be followed when collecting, transporting, or analyzing water samples. If the samples are to be tested at a laboratory, the laboratory should be contacted to determine the type of container to use for the samples, the temperature that the sample should be kept and if there is a limited amount of time for the sample to be delivered to the laboratory for analysis.
- The results of the analysis shall be kept with the inspection report for the outfall or observation point.

- All screening reports and laboratory of field analysis information must be maintained by the municipality for at least 5 years from the date of the sample measurement or report.
- The municipality must make records available to the public at reasonable times during regular business hours.

#### IV. Identifying Source of an Illicit Discharge

If it is determined that there is an illicit discharge from an outfall or as a result of a complaint, the municipality should identify the potential source of the illicit discharge using the following strategies:

- Track the flow upstream along the storm sewer or through open channel flow to determine where the flow originates using the municipality's storm sewer mapping.
- If necessary, use laboratory analysis of samples from upstream locations to determine the presence or absence of the suspected illicit discharge substance(s).
- Once the source of the discharge is found, determine the owner or responsible party for the discharge by property records, field observation or other methods.

#### V. Eliminating an Illicit Discharge

Once the source of the illicit discharge and the responsible party are identified, the municipality should enforce their stormwater ordinance requirements by:

- Issuing a written notice to the responsible party to eliminate the illicit discharge and provide a limited time period for compliance if a violation causes no immediate danger to life, public health, or property.
- Confirm that the illicit discharge has been eliminated at the end of the allotted time.
- If the owner does not correct the violation within the allowed time period, the municipality may revoke or suspend any, or all, applicable approvals and permits pertaining to any provision of their ordinance.

#### VI. Assessing the Potential for Illicit Discharges associated with Wastewater

There is a potential for illicit discharges from failing on-lot sewage disposal systems or from leaking or overflowing sanitary sewer systems.

On-lot sewage disposal systems: The municipality should enforce their ordinances for the operation and maintenance of on-lot sewage disposal systems and be aware of any complaints reported to the County Sewage Enforcement Officer.

Public sanitary sewer: The municipality or municipal authority responsible for the sanitary sewer system should have a program to address sanitary sewer overflows and potential leaking sanitary sewer systems including inspection, reporting and repairs of the system as needed.

#### VII. Access to Private Property

The municipality should have a provision in their stormwater management ordinance that allows the municipal representative, upon presentation of proper credentials, to enter at reasonable times upon any property within the municipality to inspect the condition of the stormwater

#### MCM #3: ILLICIT DISCHARGE, DETECTION & ELIMINATION PROGRAM

structures and facilities in regard to any aspect regulated by the municipality's stormwater ordinance. The property owner should be contacted to notify them of the need to access the property.

#### VIII. Program Documentation, Evaluation and Assessment

Documentation of outfall inspections, sampling, illicit discharges evaluations, enforcement or corrections should be maintained by the municipality for a minimum of 5 years.

Storm sewer mapping and the illicit discharge detection and elimination program should be reviewed each year of the permit and updated as needed.

#### IX. Addressing Public Complaints

The municipality provides a method for the public to report complaints of potential illicit discharges.

- The public is directed to call the municipal office with information regarding illicit discharges or potential pollution. The telephone number is available on the municipal website.
- The information reported to the municipal office will be documented with the time, location and nature of the complaint/situation and the name and contact information of the reporting individual.
- The municipal staff receiving the complaint will forward the information to the appropriate party for investigation.
- The investigation and subsequent action or enforcement will be documented.

# Appendix H: Outfall Inspections

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER



DEPARTMENT OF ENVIRONMENTAL PROTECTION

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	D.	NPDES Permit No.: PAG130043		
Date of Inspection:	3/21/2024		Outfall ID No.: 2		
Land Uses in Outfall Drainage Area (Select All):			Latitude:°"		
Industrial Urban Residential			Longitude:o'"		
Commercial	Suburban Resid	ential	Dry Weather Inspection? 🚯 Yes 🗌 No		
Open Space	Open Space Other:		Date of Previous Precipitation:		
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No
			Are Photograph	s Attached? MYes	🗌 No
	OU	TFALL D	ESCRIPTION		
ТҮРЕ	MATERIAL	5	SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: 18 in	In Water
		Elliptic	al 🗌 Double		U With Sediment
	Steel Other	🗌 Box	Triple		
		Other	Other		
Open Channel	Concrete	Trapez	zoid	Depth: in	
	Earthen	🗌 Parab	olic Top Width: in		
	🗌 Rip-Rap	C Other	Bottom Width:		<b>-</b>
	Other				· · · ·
Dry Weather Flow Pre	esent at Outfall During Insp	pection?	Yes 🗌 No (I	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🔲 Trickle 🗹 Mod	erate 🗌 S	ignificant 🗌 N/	A	
	DRY WE	ATHER FI	LOW EVALUA	TION	
Does the dry weather	flow contain color? L Y	′es 🛱 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗹 N	No If Yes, provid	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa cription below.	iters as a re	sult of the dischar	ge? 🗌 Yes 🖳 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids	s, scum, she	en or substances	that result in deposits'	? 🗋 Yes 🕅 No

	FIF		ATORY ANALYSIS	Asta Asta Maria	And Feller Street
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		
	, in the determined		f the illigit discharge		
If Yes, describe efforts ma	ade to determine	e the source(s) c	i the micit discharge.		
<b>—</b> "	- t-loss by the s		anao to the finding of an illi	ait discharge	
Describe corrective action	is taken by the p	bermittee in resp	ionse to the moning of an min	sit discharge.	
Inspector Comments:					
inspector commente.					
	RESP	PONSIBLE O	FFICIAL CERTIFICAT		
I certify under penalty of	RESF	Current and all	attachments were prepared	under my direction	n or supervision
I certify under penalty of accordance with a syste	RESP f law that this do am designed to a winquiry of the r	cument and all assure that qual	attachments were prepared ified personnel properly ga	under my direction thered and evaluat	n or supervision ed the informati lirectly responsit
I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform	RESP f law that this do im designed to a y inquiry of the p ation, the inform	CONSIBLE O cument and all assure that qual person or persor nation submitted	attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know	under my direction thered and evaluat or those persons d ledge and belief, to	n or supervision ed the informati lirectly responsil rue, accurate, a
I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t	RESF f law that this do arm designed to a y inquiry of the p ation, the inform hat there are sig	PONSIBLE O acument and all assure that qual person or persor nation submitted unificant penaltie	attachments were prepared ified personnel properly ga is who manage the system is, to the best of my know is for submitting false inform	under my direction thered and evaluat or those persons d ledge and belief, to nation, including the	n or supervision ed the informati lirectly responsit rue, accurate, a e possibility of fi
I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kn	RESP f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O ocument and all assure that qual person or person nation submitted unificant penaltie ations. See 18 P	attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	under my direction thered and evaluat or those persons d ledge and belief, to nation, including the sworn falsification).	n or supervision ed the informati lirectly responsit rue, accurate, a e possibility of fi
I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware t and imprisonment for kn	RESF f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig lowledge of viola	PONSIBLE O acument and all assure that qual person or persor nation submitted unificant penaltie ations. See 18 P	attachments were prepared ified personnel properly gains who manage the system is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to un	under my direction thered and evaluat or those persons d ledge and belief, to hation, including the sworn falsification).	n or supervision ed the informati lirectly responsit rue, accurate, a e possibility of fi
I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kn Sean O'[	RESP f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O becument and all assure that qual berson or persor nation submitted unificant penaltie ations. See 18 P	attachments were prepared ified personnel properly ga is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un determined)	under my direction thered and evaluat or those persons d ledge and belief, to nation, including the sworn falsification).	n or supervision ed the informati lirectly responsit rue, accurate, a e possibility of fi
I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kn Sean O'D Responsible Official Nar	RESF f law that this do an designed to a y inquiry of the p ation, the inform hat there are sig lowledge of viola	PONSIBLE O becument and all assure that qual berson or person nation submitted inificant penaltie ations. See 18 P	attachments were prepared ified personnel properly gains who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature	under my direction thered and evaluat or those persons d ledge and belief, th nation, including the sworn falsification).	n or supervision ed the informati lirectly responsit rue, accurate, a e possibility of fi
I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware t and imprisonment for km Sean O'D Responsible Official Nat 215 - 340 -	RESF f law that this do arm designed to a y inquiry of the p ation, the inform hat there are sig lowledge of viola <u>connell</u> me 0600	PONSIBLE O becument and all assure that qual berson or persor nation submitted unificant penaltie ations. See 18 P	<b>FFICIAL CERTIFICAT</b> attachments were prepared ified personnel properly gains who manage the system is, to the best of my know so for submitting false inform a. C.S. § 4904 (relating to un Signature 3/21/2	under my direction thered and evaluat or those persons d ledge and belief, to hation, including the sworn falsification).	n or supervision ed the information lirectly responsib rue, accurate, an e possibility of fin

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DEPARTMENT OF ENVIRONMENTAL PROTECTION

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	)	NPDES Permit I	No.: PAG130043	
Date of Inspection:	3/21/2024		Outfall ID No.: 3		
Land Uses in Outfall Drainage Area (Select All):			Latitude:	o ,	
Industrial	Industrial 🗌 Urban Residential			0 1	33
Commercial	🗹 Suburban Resid	ential	Dry Weather Inspection? 🖸 Yes 🗌 No		
Open Space Other:			Date of Previous Precipitation:		
			Amount of Previ	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No
			Are Photograph	s Attached? 🗹 Yes	🗌 No
	OU	TFALL D	ESCRIPTION		
TYPE	MATERIAL	5	SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe		Circula	ar 🗌 Single	Diameter: <u>24</u> in	In Water
	D PVC HDPE	Elliptic	al 🗌 Double		U With Sediment
	Steel Other	🗌 Box	Triple		
		D Other	Other		
Open Channel	Concrete	Trapez	zoid	Depth: in	
	Earthen	D Parabo	blic Top Width: in		
	🗌 Rip-Rap	C Other	Bottom Width:		<b>-</b> 11
	Other		/		
Dry Weather Flow Pre	esent at Outfall During Insp	ection? 🔽	Yes 🗌 No (/	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🔲 Trickle 🕅 Mod	erate 🗌 S	Significant 🗌 N/	A	
	DRY WE	ATHER FI	LOW 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 💟 M	No If Yes, provid	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa cription below.	iters as a re	sult of the dischar	ge? 🗌 Yes 🗹 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids	s, scum, she	een or substances	that result in deposits	? [ Yes No

			-				
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				
Is the dry weather flow ar	illicit discharge	? TYes T	No		P		
is the dry weather new ar	r mon alconal go		ent in the track areas				
If Yes, describe efforts m	ade to determine	e the source(s) of	of the illicit discharge.				
	5 7 B C - 2 - 1 - 1						
Describe corrective action	ns taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	ponse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	ponse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	ponse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	ponse to the finding of an illi	cit discharge.			
Describe corrective action	ns taken by the p	permittee in resp	FFICIAL CERTIFICAT	cit discharge.			
Describe corrective action	ns taken by the p RESP	PONSIBLE O	FFICIAL CERTIFICAT	cit discharge.	n or supervision		
Describe corrective action Inspector Comments:	ns taken by the p RESI	PONSIBLE O	FFICIAL CERTIFICAT	cit discharge.	n or supervisioned the information		
Describe corrective action Inspector Comments:	RESI f law that this do on designed to y inquiry of the p	PONSIBLE O	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga	cit discharge.	n or supervisio ed the informa lirectly respons		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform	RESI f law that this do em designed to y inquiry of the p ation, the inform	PONSIBLE O Document and all assure that qua person or person mation submitted	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system i is, to the best of my know	cit discharge. ION d under my directio thered and evaluat or those persons d vledge and belief, t	n or supervisio red the informa lirectly respons rue, accurate,		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to	RESI f law that this do em designed to y inquiry of the p ation, the inform that there are sig	PONSIBLE O Document and all assure that qua person or person nation submitted gnificant penaltie	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga ns who manage the system i is, to the best of my know es for submitting false inform	tit discharge.	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr	RESI f law that this do em designed to y inquiry of the p action, the inform that there are signowledge of viola	PONSIBLE O Document and all assure that qua berson or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un	cit discharge. ION d under my direction thered and evaluat or those persons d vledge and belief, t nation, including the asworn falsification).	n or supervision red the informa lirectly respons rue, accurate, e possibility of		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr	RESI f law that this do em designed to y inquiry of the p tation, the inform that there are signowledge of viola	PONSIBLE O Document and all assure that qua berson or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga ns who manage the system is, to the best of my know as for submitting false inform a. C.S. § 4904 (relating to ur	tit discharge.	n or supervision ed the informa lirectly respons rue, accurate, a e possibility of		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr Sean O'	RESI f law that this do em designed to y inquiry of the p nation, the inform that there are sig nowledge of viola	PONSIBLE O Document and all assure that qua berson or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un Set of the set of the set of the system)	ION d under my direction thered and evaluat or those persons d vledge and belief, t nation, including the nation, including the sworn falsification).	n or supervision red the informat lirectly respons rue, accurate, a e possibility of t		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr Sean O Responsible Official Na	RESP f law that this do em designed to y inquiry of the p hation, the inform that there are sign owledge of viola Donnell me	PONSIBLE O Document and all assure that qua berson or persor mation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un Signature	ION d under my directio thered and evaluat or those persons d vledge and belief, t nation, including the asworn falsification).	n or supervision red the informat lirectly respons rue, accurate, a e possibility of t		
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr Sean O' Responsible Official Na 215-340-0	RESI f law that this do em designed to y inquiry of the p nation, the inform that there are sig nowledge of viola Donnell me	PONSIBLE O Document and all assure that qua berson or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga as who manage the system it is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to un Aem Or Signature 3/21/24	ION d under my directio thered and evaluat or those persons d vledge and belief, t nation, including th asworn falsification).	n or supervision ed the informat lirectly responsi rue, accurate, a e possibility of t		

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	o	NPDES Permit	No.: PAG130043	
Date of Inspection:	3/21/2024		Outfall ID No.: 너		
Land Uses in Outfall Drainage Area (Select All):			Latitude:	'	
Industrial	Industrial Urban Residential			'	31 
Commercial	🗹 Suburban Resid	ential	Dry Weather Inspection? 🖺 Yes 🗌 No		
Open Space Other:			Date of Previous Precipitation:		
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No
			Are Photograph	s Attached? 🗹 Yes	🗌 No
	OU	TFALL D	ESCRIPTION		
ТҮРЕ	MATERIAL	5	SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: <u>1</u> R in	In Water
		Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Вох	Triple		
		Other	Other		
Open Channel	Concrete	🗌 Trapez	zoid	Depth: in	
	Earthen	D Parabo	olic Top Width: in		
	🗌 Rip-Rap	Other	Bottom Width:		
	Other				
Dry Weather Flow Pre	esent at Outfall During Insp	pection?	Yes 🕅 No (I	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗌 Trickle 🗌 Mod	erate 🗌 S	Significant 🗌 N/	A	
	DRY WE	ATHER FI	LOW EVALUA	TION	and the second s
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 If Yes, provide a desc	change in the receiving wa cription below.	iters as a re	sult of the dischar	ge? 🗌 Yes 🗌 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids	s, scum, she	en or substances	that result in deposits'	? 🗌 Yes 🗌 No

and the second se	FIE	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 a	analyzed by a D	EP-certified laboratory:		
		ILLICIT D	DISCHARGES		
Is the dry weather flow a	n illicit discharge	? 🗌 Yes 📉	No		
· · · · · · · · · · · · · · · · · · ·			en un verte terres		
If Yes, describe efforts n	nade to determine	e the source(s) o	of the illicit discharge.		
Describe corrective action	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective actio	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective actic	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective actic	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective actic	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective actic	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective action	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective action	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective actic	ons taken by the p	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective action	ons taken by the p RESF	permittee in resp	oonse to the finding of an illi	cit discharge.	
Describe corrective action	ons taken by the p RESF	permittee in resp PONSIBLE O	FFICIAL CERTIFICAT attachments were prepared	cit discharge. ION	n or supervisio
Describe corrective action Inspector Comments:	ons taken by the point of law that this do tem designed to a	permittee in resp PONSIBLE O pocument and all assure that qua	FFICIAL CERTIFICAT attachments were prepared	cit discharge.	n or supervisio ted the informa
Describe corrective action Inspector Comments:	ons taken by the point of law that this do tem designed to a ny inquiry of the p	PONSIBLE O	FFICIAL CERTIFICAT attachments were prepared iffied personnel properly ga	cit discharge.	n or supervisio ted the informa directly respons
Describe corrective action Inspector Comments:	RESE of law that this do tem designed to ny inquiry of the p nation, the inform	PONSIBLE O Document and all assure that qua person or person pation submitted	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system l is, to the best of my know	cit discharge.	n or supervisio ted the informa directly respons true, accurate,
Describe corrective action Inspector Comments:	RESP of law that this do tem designed to ny inquiry of the p nation, the inform that there are sid	PONSIBLE O Document and all assure that qua person or person nation submitted unificant penaltie	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga as who manage the system l is, to the best of my know as for submitting false inform	cit discharge. ION I under my directio thered and evaluat or those persons of redge and belief, the nation, including the	n or supervisio ted the informa directly respons true, accurate, e possibility of
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syst submitted. Based on m for gathering the inform complete. I am aware and imprisonment for k	RESP of law that this do tem designed to ny inquiry of the p nation, the inform that there are sig	PONSIBLE O Document and all assure that qua person or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system l is, to the best of my know es for submitting false inform ta. C.S. § 4904 (relating to un	cit discharge. Cit discharge. ION I under my direction thered and evaluat or those persons of vledge and belief, to nation, including the asworn falsification).	n or supervision ted the informat directly respons true, accurate, a e possibility of
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syst submitted. Based on n for gathering the inform complete. I am aware and imprisonment for k	ons taken by the point of law that this do the inform that there are signowledge of viola	PONSIBLE O Document and all assure that qua berson or persor hation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared iffied personnel properly ga hs who manage the system i is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to ur	ION I under my direction thered and evaluat or those persons of the dge and belief, the nation, including the the sworn falsification).	n or supervision ted the informat directly respons true, accurate, a e possibility of t
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syst submitted. Based on m for gathering the inform complete. I am aware and imprisonment for k	RESP of law that this do tem designed to a ny inquiry of the p nation, the inform that there are sig nowledge of viola	PONSIBLE O Document and all assure that qua berson or persor hation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared iffied personnel properly ga hs who manage the system i is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to ur Mean O	ION I under my direction thered and evaluat or those persons of the dge and belief, the nation, including the the sworn falsification).	n or supervision ted the informat directly respons true, accurate, a e possibility of t
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syst submitted. Based on m for gathering the inform complete. I am aware and imprisonment for k Stan C Responsible Official Na	RESP of law that this do tem designed to a ny inquiry of the p nation, the inform that there are sig mowledge of viola ) Donne II ame	PONSIBLE O Document and all assure that qua berson or person nation submitted unificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga s who manage the system l is, to the best of my know es for submitting false inform ca. C.S. § 4904 (relating to un Signature	tit discharge.	n or supervision ted the informat directly respons true, accurate, a le possibility of t
Describe corrective action Inspector Comments: I certify under penalty of accordance with a syst submitted. Based on m for gathering the inform complete. I am aware and imprisonment for k Sean C Responsible Official Na 215 - 340 -	RESP of law that this do tem designed to my inquiry of the p nation, the inform that there are sig mowledge of viola ) ' Donne II ame - 0 60 0	PONSIBLE O Document and all assure that qua berson or person nation submitted gnificant penaltie ations. See 18 P	<b>FFICIAL CERTIFICAT</b> attachments were prepared lified personnel properly ga hs who manage the system i is, to the best of my know es for submitting false inform ta. C.S. § 4904 (relating to un back of Signature 3/21/24	tit discharge.	n or supervision ted the informat directly respons true, accurate, a le possibility of t

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER



DEPARTMENT OF ENVIRONMENTAL PROTECTION

BACKGROUND INFORMATION						
Permittee Name:	Wrightstown Townshi	р	NPDES Permit No.: PAG130043			
Date of Inspection:	3/21/2024		Outfall ID No.: 5			
Land Uses in Outfall Drainage Area (Select All):			Latitude:''			
Industrial Urban Residential			Longitude:	°'-		
Commercial	Commercial Suburban Residential			Dry Weather Inspection?		
Open Space Other:			Date of Previous Precipitation:			
			Amount of Prev	ious Precipitation:	in	
Inspector Name(s): Se	ean O'Donnell	2	Were Photograp	ohs Taken? 🗹 Yes	🗌 No	
			Are Photograph	s Attached? I Yes	🗌 No	
	OL	TFALL DI	ESCRIPTION			
TYPE	MATERIAL	5	SHAPE	DIMENSIONS	SUBMERGED	
Closed Pipe		Circula	ar 🗌 Single	Diameter: <u>24</u> in	In Water	
		Elliptic	al Double		With Sediment	
	Steel Other	🗌 Вох	Triple			
		Other	Other			
Open Channel	Concrete	Trapez	coid Depth: in			
	Earthen	Parabo	olic	Top Width: in		
	🔲 Rip-Rap	Other	Bottom Width:		-	
	Other					
Dry Weather Flow Pre	esent at Outfall During Ins	pection?	Yes 🗌 No (I	f No, skip to Certificatio	on Section)	
Description of Flow R	ate: 🗹 Trickle 🗌 Moo	ierate 🗌 S	Bignificant 🗌 N/	A		
State State State	DRY WE	ATHER FI	LOW EVALUA	TION		
Does the dry weather	flow contain color?	res 🗹 No	If Yes, provide a	description below.		
Does the dry weather	flow contain an odor?	]Yes 🗹 M	No If Yes, provid	e a description below.		
Is there an observed If Yes, provide a desc	change in the receiving wa	aters as a re	sult of the dischar	ge? 🗌 Yes 🗹 No	/	
Does the dry weather If Yes, provide a desc	flow contain floating solid cription below.	s, scum, she	een or substances	that result in deposits	? 🗌 Yes 🗹 No	

	FIE	ELD / LABOR	ATORY 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 a	analyzed by a D	EP-certified laboratory:		
		ILLICIT D	DISCHARGES		
	101-14 dia ale anno 1		No		
le the dry weather flow an	Illicit discharde		NO		
Is the dry weather flow an	illicit discharge	C T tes LA	INO		
Is the dry weather flow an If Yes, describe efforts ma	ade to determine	e the source(s) c	no of the illicit discharge.		
Is the dry weather flow an If Yes, describe efforts ma	ade to determine	e the source(s) c	no of the illicit discharge.		
Is the dry weather flow an If Yes, describe efforts ma	ade to determine	r the source(s) c	no of the illicit discharge.		
Is the dry weather flow an If Yes, describe efforts ma	ade to determine	e the source(s) c	no of the illicit discharge.		
Is the dry weather flow an If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) of the source	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) of the source	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p	e the source(s) of the source(s) of the source(s) of the source of the s	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESF f law that this do	PONSIBLE O	of the illicit discharge.	cit discharge.	n or supervision
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	RESP f law that this do rem designed to a	PONSIBLE O	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat	cit discharge.	n or supervisior ed the informat
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	RESP f law that this do em designed to a v inguiry of the p	PONSIBLE O	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat s who manage the system	cit discharge.	n or supervisior ed the informat lirectly responsi
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	RESP f law that this do em designed to a y inquiry of the p ation, the inform	PONSIBLE O	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know	on on on on chered and evaluat or those persons d ledge and belief, tr	n or supervisior ed the informat lirectly responsi rue, accurate, a
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware to	RESP f law that this do y inquiry of the p ation, the inform hat there are sig	PONSIBLE O Decument and all assure that qual person or persor pation submitted inficant penaltie	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform	on on on on or those persons d ledge and belief, tr nation, including the	n or supervisior ed the informat lirectly responsi rue, accurate, a e possibility of f
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kn	RESP f law that this do em designed to a y inquiry of the p hat there are sig iowledge of viola	PONSIBLE O comment and all assure that qual person or person pation submitted inficant penaltie itions. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	Cit discharge.	n or supervision ed the informat lirectly responsi rue, accurate, a e possibility of f
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kn	RESP f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig iowledge of viola	PONSIBLE O Decrmittee in resp PONSIBLE O Document and all assure that qual person or person pation submitted inificant penaltie itions. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	cit discharge.	n or supervision ed the informat lirectly responsi rue, accurate, a e possibility of f
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware to and imprisonment for kn	RESP restaken by the p restaken by the p RESP f law that this do rem designed to a y inquiry of the p ation, the inform hat there are sig iowledge of viola	PONSIBLE O Decrmittee in resp PONSIBLE O Document and all assure that qual person or person pation submitted inificant penaltie titions. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to un	on Under my direction thered and evaluat or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervision ed the informat lirectly responsi rue, accurate, a e possibility of f
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware to and imprisonment for known Sean O'D Responsible Official Nar	RESP f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig iowledge of viola	PONSIBLE O Decrmittee in resp PONSIBLE O Incument and all assure that qual person or persor nation submitted unificant penaltie titions. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature	ON under my direction thered and evaluat or those persons d ledge and belief, tr nation, including the sworn falsification).	n or supervision ed the informat lirectly responsi rue, accurate, a e possibility of f
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware to and imprisonment for known Sean O'D Responsible Official Nar 215 - 340	RESP ade to determine ade to determine ns taken by the p staken by the p f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig iowledge of viola ) on nell me - 0 600	PONSIBLE O Dermittee in resp PONSIBLE O Decument and all assure that qual person or persor nation submitted unificant penaltie ttions. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature 3/21/24	ON under my direction thered and evaluat or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervision ed the informat lirectly responsi rue, accurate, a e possibility of f



Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N		
Permittee Name:	Wrightstown Township	NPDES Permit No.: PAG130043				
Date of Inspection: 3/21/2024			Outfall ID No.: 6			
Land Uses in Outfall	Drainage Area (Select All):		Latitude:°"			
Industrial Urban Residential			Longitude:	<u> </u>	n	
Commercial			Dry Weather Inspection?  Yes No			
Open Space Other:			Date of Previous Precipitation:			
			Amount of Prev	ious Precipitation:	in	
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No	
			Are Photograph	s Attached? 🗹 Yes	🗌 No	
	OU	TFALL D	ESCRIPTION			
TYPE	MATERIAL	, 5	HAPE	DIMENSIONS	SUBMERGED	
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: <u>24</u> in	In Water	
		Elliptic	al 🗌 Double		With Sediment	
	Steel Other	🗌 Вох	Triple			
		Other	Other			
Open Channel	Concrete	🗌 Trapez	zoid Depth: in			
	Earthen	🗌 Parabo	bolic Top Width: in Bottom Width:			
	🗌 Rip-Rap	Other				
	Other		/	Cartheological and the		
Dry Weather Flow Pre	esent at Outfall During Insp	ection? 🗹	Yes 🗌 No (I	f No, skip to Certificatio	on Section)	
Description of Flow R	ate: 🗹 Trickle 🗌 Mod	erate 🗌 S	ignificant 🗌 N/.	A		
	DRY WE	ATHER FI	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 🗹 M	lo If Yes, provide	e a description below.		
Is there an observed If Yes, provide a desc	change in the receiving wa cription below.	ters as a res	sult of the dischar	ge? 🗌 Yes 🗹 No		
					/	
Does the dry weather If Yes, provide a desc	flow contain floating solids pription below.	s, scum, she	en or substances	that result in deposits'	? 🗌 Yes 🖼 No	

PARAMETER         RESULTS         UNITS         PARAMETER         RESULTS         UNITS           Flow Rate         GPM         Fecal Coliform         No./100 mL           pH         S.U.         COD         mg/L           Total Residual Chlorine         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:         Other:         Other:		FIE	ELD / LABOR	ATORY ANALYSIS		
Iow Rate       GPM       Fecal Coliform       No./100 mL         DH       S.U.       COD       mg/L         Total Residual Chlorine       mg/L       BDD5       mg/L         Conductivity       µmhos/cm       TSS       mg/L         Ammonia-Nitrogen       mg/L       TDS       mg/L         Dther:	PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
pH       S.U.       COD       mg/L         Total Residual Chlorine       mg/L       BOD5       mg/L         Conductivity       µmhos/cm       TSS       mg/L         Conductivity       µmhos/cm       TSS       mg/L         Ammonia-Nitrogen       mg/L       TDS       mg/L         Other:	Flow Rate		GPM	Fecal Coliform		No./100 mL
Total Residual Chlorine       mg/L       BOD5       mg/L         Conductivity       μmhos/cm       TSS       mg/L         Conductivity       μmhos/cm       TSS       mg/L         Ammonia-Nitrogen       mg/L       TDS       mg/L         Other:	pH		S.U.	COD		mg/L
Conductivity       µmhos/cm       TSS       mg/L         Ammonia-Nitrogen       mg/L       TDS       mg/L         Other:	Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Ammonia-Nitrogen       mg/L       TDS       mg/L         Other:	Conductivity		µmhos/cm	TSS		mg/L
Other:	Ammonia-Nitrogen		mg/L	TDS		mg/L
Other:       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 A No         If Yes, describe efforts made to determine the source(s) of the illicit discharge.         Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         RESPONSIBLE OFFICIAL CERTIFICATION         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. L am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unswom falsification).         Sean       Donne II         Responsible Official Name       Jan / AH         A15 - 340 - 0600       Jate	Other:			Oil and Grease		mg/L
Indicate the parameters above that were analyzed by a DEP-certified laboratory:         ILLICIT DISCHARGES         Is the dry weather flow an illicit discharge?         Is the dry weather flow an illicit discharge?         If Yes A No         If Yes, describe efforts made to determine the source(s) of the illicit discharge.         Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unswom falsification).         Jean O Donnell         Action of Donnell         Action of Donnell         Action O Donnell         Action O Donnell         Action O Donnell         Date	Other:			Other:		
ILLICIT DISCHARGES         Is the dry weather flow an illicit discharge?         Is the dry weather flow an illicit discharge?       Yes A No         If Yes, describe efforts made to determine the source(s) of the illicit discharge.         Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I an aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unswom falsification).         Jean O'Donnell         Responsible Official Name         Autom Dot         Jati/AH         Date	Indicate the parameters a	bove that were a	analyzed by a D	EP-certified laboratory:		
ILLICIT DISCHARGES         Is the dry weather flow an illicit discharge?       Yes       No         If Yes, describe efforts made to determine the source(s) of the illicit discharge.         Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 response for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       Donnetl         Responsible Official Name       Jan         A15 - 340 - 0600       Jat         Telephone No.       Date						
Is the dry weather flow an illicit discharge? ☐ Yes A No If Yes, describe efforts made to determine the source(s) of the illicit discharge. Describe corrective actions taken by the permittee in response to the finding of an illicit discharge. Inspector Comments:		1	ILLICIT D	DISCHARGES		
If Yes, describe efforts made to determine the source(s) of the illicit discharge.         Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, is complete. I an aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unswom falsification).         Sean       O'Donnell         Responsible Official Name       Jat / 24         A15 - 340 - 0600       Jate	le the dry weather flow ar	illicit discharge	2 T Yes DA	No		
If Yes, describe efforts made to determine the source(s) of the illicit discharge.         Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of i and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unswom falsification).         Sean       O Donnell         Responsible Official Name       Jal/al         A15 - 340 - 0600       Jal/al         Telephone No.       Date	is the dry weather now an	Timen discharge	с поз ф	140		
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, accurate, is complete. I am aware that there are significant penalties for submitting false information, including the possibility of the and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Dopne II         Responsible Official Name       Jat - 340 - 0600         Telephone No.       Date						
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, is complete. I am aware that there are significant penalties for submitting false information, including the possibility of it and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Dopne II         Responsible Official Name       Jat Jat         A15 - 340 - 0600       Jate	If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of i and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Donnell         Responsible Official Name       Jan 24/24         A15 - 340 - 0600       Jan/24/24         Telephone No.       Date	If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Dopnell         Responsible Official Name       Jate         Als - 340 - 0600       Jal / Al         Teleohone No.       Date	If Yes, describe efforts m	ade to determine	e the source(s) o	of the illicit discharge.		
Describe corrective actions taken by the permittee in response to the minding of an most discharge.         Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision 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 response for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O'Donnell         Responsible Official Name       Jais-340-0600         Teleohone No.       Date	If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
Inspector Comments:         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informat submitted. Based on my inquiry of the person or persons who manage the system or those persons directly respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Donnell         Responsible Official Name       Jabe Dubled         A15 - 340 - 0600       Jal / 24         Telephone No.       Date	If Yes, describe efforts m	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge	
Inspector Comments:         RESPONSIBLE OFFICIAL CERTIFICATION         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informat submitted. Based on my inquiry of the person or persons who manage the system or those persons directly respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Donnell         Responsible Official Name       Jais - 340 - 0600         A15 - 340 - 0600       Jais         Telephone No.       Date	If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
Inspector Comments: <b>RESPONSIBLE OFFICIAL CERTIFICATION</b> I certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informatio submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responses for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O'Dopnell         Responsible Official Name       Jew ODomM         A15 - 340 - 0600       Signature         Telephone No.       Date	If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
Inspector Comments:         RESPONSIBLE OFFICIAL CERTIFICATION         I certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informatio submitted. Based on my inquiry of the person or persons who manage the system or those persons directly response for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O Dopnell         Responsible Official Name       Jate $\Delta 15 - 340 - 0600$ Jate	If Yes, describe efforts management of the second s	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
RESPONSIBLE OFFICIAL CERTIFICATIONI certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informati submitted. Based on my inquiry of the person or persons who manage the system or those persons directly respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).Jean O'DonnellAugust colspan="2">August colspan="2"August colspan="2"	If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
RESPONSIBLE OFFICIAL CERTIFICATIONI certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informat submitted. Based on my inquiry of the person or persons who manage the system or those persons directly response for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).SeanO DopnellResponsible Official NameJab-340-0600A15-340-0600A2/A1/A4Telephone No.Date	If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
RESPONSIBLE OFFICIAL CERTIFICATIONI certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informati submitted. Based on my inquiry of the person or persons who manage the system or those persons directly respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of ta and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).SeanO'DopnellResponsible Official NameJats - 340 - 0600Telephone No.Date	If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gathered and evaluated the informati submitted. Based on my inquiry of the person or persons who manage the system or those persons directly respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of i and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).SeanO DopnellResponsible Official NameJewDate $215 - 340 - 0600$ SignatureTelephone No. $3/21/24$	If Yes, describe efforts m Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Telephone No. Telephone No. Telep	If Yes, describe efforts managements of the second	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
accordance with a system designed to assure that qualified personner property guideled and ordination directly responses submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responses for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean       O' Dopnell         Responsible Official Name       Jabe Official Name $215 - 340 - 0600$ Signature         Telephone No.       Date	If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine ns taken by the p RESF	e the source(s) of our permittee in response	of the illicit discharge.	cit discharge.	n or supervision
Submitted. Based of my inquiry of the person of persons who manage the system of these product for persons and person of the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification). Sean O'Dopnell Responsible Official Name 215 - 340 - 0600 Telephone No. Date	If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine ns taken by the p RESF f law that this do	PONSIBLE O	of the illicit discharge.	cit discharge.	n or supervision
Interfining the information, the information submitted is, to the bost of my knowledge and bong of a possibility of and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).         Sean $O'$ Dopnell         Responsible Official Name $J_{15} - 340 - 0600$ Telephone No. $J/21/24$	If Yes, describe efforts ma Describe corrective action Inspector Comments:	RESF	PONSIBLE O	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga	cit discharge.	n or supervision ted the information
Complete: Tail aware that there are significant periative for outputting to unsworn falsification).         Sean       O'Dopnell         Responsible Official Name       Jew ODomull $215 - 340 - 0600$ $3/21/24$ Telephone No.       Date	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty o accordance with a syste submitted. Based on m	RESF f law that this do in designed to a y inquiry of the p	PONSIBLE O Document and all assure that qual person or person	FFICIAL CERTIFICAT attachments were prepared lified personnel properly gates who manage the system lise to the best of my know	cit discharge.	n or supervision ted the informative lirectly respons
Sean     O'Donnell     Jew ODamell       Responsible Official Name     Signature       215-340-0600     3/21/24       Telephone No.     Date	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty o accordance with a syste submitted. Based on m for gathering the inform	RESP f law that this do inquiry of the p ation, the inform bat there are sig	PONSIBLE O Document and all assure that qual person or person mation submitted	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga s who manage the system i is, to the best of my know	Cit discharge.	n or supervisio red the informa lirectly respons rue, accurate, e possibility of
SeanO'DonnellJew ODonullResponsible Official NameSignature215-340-06003/21/24Telephone No.Date	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty o accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kr	RESP f law that this do m designed to a y inquiry of the p ation, the inform hat there are sig	PONSIBLE O Decument and all assure that qual person or person pation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga as who manage the system l is, to the best of my know es for submitting false inform a, C,S, § 4904 (relating to un	Cit discharge.	n or supervision red the informat lirectly respons rue, accurate, a e possibility of t
Responsible Official Name     Signature       215-340-0600     3/21/24       Telephone No.     Date	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty o accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kr	RESP RESP f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig iowledge of viola	PONSIBLE O Decemittee in resp PONSIBLE O Document and all assure that qual Derson or persor nation submitted unificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga s who manage the system is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to un	cit discharge.	n or supervision ted the informat lirectly responsi rue, accurate, a e possibility of f
215-340-0600         3/21/24           Telephone No.         Date	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty o accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr	RESP f law that this do and designed to a y inquiry of the p ation, the inform hat there are sig iowledge of viola	PONSIBLE O Decemittee in response occument and all assure that qual berson or person thation submitted pations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system l is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to un	ION I under my direction thered and evaluate or those persons de ledge and belief, to hation, including the sworn falsification).	n or supervision red the informat directly responsi rue, accurate, a e possibility of f
Telephone No. Date	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr Sean O' Responsible Official National Section (Section 1997)	RESP f law that this do a designed to a y inquiry of the p ation, the inform hat there are sig towledge of viola Donnell me	PONSIBLE O Decrmittee in resp PONSIBLE O Document and all assure that qual Derson or persor nation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga s who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature	ION I under my direction thered and evaluat or those persons de ledge and belief, to nation, including the sworn falsification).	n or supervision ted the informat lirectly responsi rue, accurate, a e possibility of f
	If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr Sean O' Responsible Official Nat 215 - 340 -	RESP ns taken by the p f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig nowledge of viola Dopnell me 0600	PONSIBLE O Decemittee in resp PONSIBLE O Decument and all assure that qual person or persor nation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared iffied personnel properly gains who manage the system is, to the best of my know s for submitting false inform a. C.S. § 4904 (relating to un Signature 3/21/2t	Intered and evaluate or those persons of ledge and belief, the thread on the sworn falsification).	n or supervision ted the informat lirectly respons rue, accurate, a e possibility of t

### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER



DEPARTMENT OF ENVIRONMENTAL PROTECTION

	BACK	GROUND	INFORMATIO	N	
Permittee Name: Wrightstown Township			NPDES Permit No.: PAG130043		
Date of Inspection: 3/21/2024			Outfall ID No.:		
Land Uses in Outfall Drainage Area (Select All):			Latitude:°'"		
Industrial Urban Residential			Longitude:°'"		
Commercial Suburban Residential			Dry Weather Inspection? Yes No		
Open Space Other:			Date of Previous Precipitation:		
			Amount of Previous Precipitation: in		
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No
			Are Photograph	s Attached? 📋 Yes	🗌 No
	OL	TFALL D	ESCRIPTION		
ТҮРЕ	MATERIAL		SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: <u>)</u> in	In Water
		Elliptic	al 🗌 Double		U With Sediment
	Steel Other	🗌 Box	Triple		
		Other	Other		
Open Channel	Concrete	Trape:	zoid	Depth: in	
	Earthen	Parab	olic Top Width: in		
	🗌 Rip-Rap	Other	Bottom Width:		
	Other				
Dry Weather Flow Pre	esent at Outfall During Ins	pection?	Yes 🗌 No (li	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗹 Trickle 🗌 Mod	lerate 🗌 S	Significant 🗌 N/	A	
	DRY WE	ATHER F	LOW EVALUA	TION	
Does the dry weather	flow contain color? [ )	res 🗹 No	lf Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes V	No If Yes, provide	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa ription below.	aters as a re	sult of the dischar	ge? 🗌 Yes 🗗 No	1
Does the dry weather If Yes, provide a desc	flow contain floating solid cription below.	s, scum, she	een or substances	that result in deposits	? 🖒 Yes 🗹 No

Word bumpio(c) concered	of the dry weath	ier flow?	es 🖺 No (If Yes, No. Sa	mpies:)	
	FIE	LD / LABOR	ATORY 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 a	analyzed by a D	EP-certified laboratory:		
			ISCHARGES		
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 illi	cit discharge.	
Inspector Comments:					
Inspector Comments:	RESF	ONSIBLE O	FFICIAL CERTIFICAT	ION	
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware the and imprisonment for kn	RESF f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	CONSIBLE O cument and all assure that qual person or person ation submitted nificant penaltie tions. See 18 P	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga as who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	ION d under my directio thered and evaluat or those persons d redge and belief, t nation, including the sworn falsification).	n or supervision i ed the informatio lirectly responsib rue, accurate, an e possibility of fin
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware th and imprisonment for kn Sean (	RESF f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig lowledge of viola	CONSIBLE O cument and all assure that qual person or persor ation submitted nificant penaltie tions. See 18 P	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga as who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature	ION I under my direction thered and evaluat or those persons d riedge and belief, t nation, including the sworn falsification).	n or supervision i ed the informatio lirectly responsib rue, accurate, an e possibility of fin
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware the and imprisonment for known Sean ( Responsible Official Nar	<b>RESF</b> f law that this do am designed to a y inquiry of the p ation, the inform hat there are sig lowledge of viola <u>Donne</u> me	CONSIBLE O cument and all assure that qual person or person ation submitted nificant penaltie tions. See 18 P	FFICIAL CERTIFICAT attachments were prepared ified personnel properly ga as who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature	ION I under my direction thered and evaluat or those persons d riedge and belief, t nation, including the sworn falsification). DawM	n or supervision i ed the informatio lirectly responsib rue, accurate, an e possibility of fin
DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	)	NPDES Permit	No.: PA <b>G130043</b>	
Date of Inspection:	3/21/2024		Outfall ID No.:	10	
Land Uses in Outfall D	Drainage Area (Select All):		Latitude:	'	
Industrial	Urban Residenti	al	Longitude:	'	29
Commercial	Suburban Resid	ential	Dry Weather Ins	spection?	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 💟 Yes	🗌 No
			Are Photograph	s Attached? DY Yes	🗌 No
	OU	TFALL D	ESCRIPTION		
TYPE	MATERIAL	5	HAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: 15 in	In Water
	PVC HDPE	Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Вох	Triple		
		Other	Other		
Open Channel	Concrete	Trapez	zoid	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 (li	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗹 Trickle 🗌 Mode	erate 🗌 S	ignificant 🗌 N/	A	
	DRY WE	ATHER FI	OW EVALUA	TION	
Does the dry weather	flow contain color? Y	es 🖄 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes V	No If Yes, provide	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa cription below.	ters as a res	sult of the dischar	ge? 🗌 Yes 🗹 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids cription below.	s, scum, she	en or substances	that result in deposits	? Yes 🗹 No

	FIF		ATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
ρΗ		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		
In the dry weather flow an	illicit discharge	2 T Ves DA	No		
is the dry weather now an	mon disorial go				
If Yes, describe efforts ma	de to determine	e the source(s) o	of the illicit discharge.		
If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.		
If Yes, describe efforts ma	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma	ade to determine	e the source(s) o permittee in resp	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action	ade to determine is taken by the p RESP	e the source(s) of permittee in resp	of the illicit discharge.	cit discharge.	
If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine is taken by the p RESP	e the source(s) of permittee in resp PONSIBLE O	of the illicit discharge.	cit discharge. ION	n or supervisior
If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine is taken by the p RESP law that this do	e the source(s) of permittee in resp PONSIBLE O	of the illicit discharge.	cit discharge.	n or supervision
If Yes, describe efforts ma Describe corrective action Inspector Comments:	RESI	e the source(s) of permittee in resp PONSIBLE O pocument and all assure that qua	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga	cit discharge.	n or supervision ted the informative
If Yes, describe efforts ma Describe corrective action Inspector Comments:	RESI Iaw that this do y inquiry of the p	PONSIBLE O Document and all assure that qua	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga	cit discharge.	n or supervision ted the informat directly respons
If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform	RESI Iaw that this do y inquiry of the p ation, the inform	PONSIBLE O Document and all assure that qua Doerson or person nation submittee	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga as who manage the system is, to the best of my know	cit discharge.	n or supervision ted the informat directly respons true, accurate, a
If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the informa complete. I am aware to	RESI Iaw that this do y inquiry of the p ation, the inform hat there are sig	PONSIBLE O Document and all assure that qua Derson or person nation submitted gnificant penaltie	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga as who manage the system d is, to the best of my know as for submitting false inform	cit discharge.	n or supervision ted the informat directly respons rue, accurate, a e possibility of t
If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware to and imprisonment for kn	RESP Taken by the p RESP Taken by the p Taken by the p	PONSIBLE O Document and all assure that qua Derson or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga ns who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to ur	cit discharge. ION d under my directio thered and evaluat or those persons of vledge and belief, t nation, including th isworn falsification).	n or supervisior ted the informat directly responsi rue, accurate, a e possibility of f
If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware to and imprisonment for kn	RESP Taken by the p RESP Taken by the p Taken by the p	PONSIBLE O Document and all assure that qua person or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga s who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un	tit discharge.	n or supervisior ted the informat directly responsi true, accurate, a e possibility of f
If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the information complete. I am aware the and imprisonment for kn Sean O Responsible Official Nar	RESP I law that this do in a there are sig owledge of viola Donnell ne	PONSIBLE O Document and all assure that qua person or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un Signature	tit discharge.	n or supervision ted the informat directly responsi rue, accurate, a e possibility of f
If Yes, describe efforts main Describe corrective action Inspector Comments: I certify under penalty of accordance with a system submitted. Based on my for gathering the information complete. I am aware the and imprisonment for known Sean O Responsible Official Nar DIS - 34	RESP is taken by the p is tak	PONSIBLE O Decemittee in resp Decemittee in resp Document and all assure that qua Decesson or person thation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un Signature 3/21/	ION d under my directio thered and evaluat or those persons of reledge and belief, t nation, including th hsworn falsification).	n or supervisior ted the informat directly responsi rue, accurate, a e possibility of f
If Yes, describe efforts main Describe corrective action Inspector Comments: I certify under penalty of accordance with a system submitted. Based on my for gathering the information complete. I am aware the and imprisonment for known Sean O Responsible Official Nar 315-34 Telephone No	RESP The taken by the provided the provided to determine The taken by the provided to provide the provided to provide the provided to provide the provided the	PONSIBLE O Document and all assure that qua person or person nation submitted gnificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga s who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un Signature 3/21/ Date	tit discharge.	n or supervision ted the informat directly responsi rue, accurate, a e possibility of f

DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

# MS4 OUTFALL FIELD SCREENING REPORT

1

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	)	NPDES Permit	No.: PAG130043	
Date of Inspection:	3/21/2024		Outfall ID No .:	14	
Land Uses in Outfall D	Drainage Area (Select All):		Latitude:	0 1	<u>n</u>
Industrial	Urban Residenti	al	Longitude:	``-	"
Commercial	🗹 Suburban Resid	ential	Dry Weather Ins	spection? Yes	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Previ	ous Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No
			Are Photograph	s Attached? 🗹 Yes	🗌 No
	OU	TFALL DI	ESCRIPTION		
TYPE	MATERIAL	5	HAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: 17 in	In Water
		Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Box	Triple		
		Other	Other		·
Open Channel	Concrete	Trapez	zoid	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 (li	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗹 Trickle 🗌 Mode	erate 🗌 S	Significant 🗌 N/.	A	
Park A Carpon	DRY WE	ATHER FI	LOW 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	No If Yes, provide	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa cription below.	ters as a re	sult of the dischar	ge? 🗌 Yes 🚺 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids cription below.	s, scum, she	en or substances	that result in deposits	? 🗌 Yes 🗹 No

	FIE	LD / 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:		
Indicate the parameters a	bove that were a	analyzed by a D	EP-certified laboratory:		
いるで、自己に		ILLICIT D	DISCHARGES		
u u - de constituer flaur ar	illigit discharge	Ves Th	No		
is the dry weather flow an	i illicit discriarge		NO		
Is the dry weather flow an	ade to determine	e the source(s) c	of the illicit discharge.		
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather now an If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) o	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	ade to determine	e the source(s) of the source(s) of the source(s) of the source of the s	of the illicit discharge.	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kr	RESP f law that this do em designed to y inquiry of the p ation, the inform hat there are signowledge of viola	PONSIBLE O Decument and all assure that qual person or persor mation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system l is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to ur	cit discharge. ION I under my direction thered and evaluat or those persons d vledge and belief, to nation, including the asworn falsification).	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of
Is the dry weather now an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kn	RESP ade to determine ns taken by the p restaken by the p RESP f law that this do em designed to a y inquiry of the p ation, the inform hat there are sign owledge of viola	PONSIBLE O Decrmittee in resp PONSIBLE O Decument and all assure that qual Decrson or person thation submitted pations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga as who manage the system l is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to ur	ION d under my direction thered and evaluat or those persons d vledge and belief, the nation, including the asworn falsification).	n or supervisio red the informa lirectly respons rue, accurate, e possibility of
Is the dry weather now an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kr Scan O Responsible Official National Science of the system Responsible Official National Science of the system Responsible Official National Science of the system National Science of the system Science of the system Responsible Official National Science of the system National Science of the system National Science of the system Science of the system Responsible Official National Science of the system National Science of the system N	RESE f law that this do be designed to a y inquiry of the p ation, the inform hat there are signowledge of viola	PONSIBLE O permittee in resp permittee in resp pourment and all assure that qual person or persor pation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga s who manage the system l is, to the best of my know es for submitting false inform ta. C.S. § 4904 (relating to un Signature	ION d under my direction thered and evaluat or those persons d viedge and belief, th nation, including the sworn falsification).	n or supervisio red the informa lirectly respons rue, accurate, e possibility of
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kr Sean O Responsible Official Nation 215 - 340 - 3	RESP ade to determine ns taken by the p restaken by the p RESP f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig nowledge of viola <u>Domme 11</u> me - 0600	PONSIBLE O Decument and all assure that qual person or persor mation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared lified personnel properly ga hs who manage the system l is, to the best of my know es for submitting false inform a. C.S. § 4904 (relating to un Signature Mag 3/	tit discharge. <b>ION</b> d under my direction thered and evaluat or those persons d viedge and belief, to nation, including the isworn falsification). DDonmether 2Donmether 21/24	n or supervisio red the informa lirectly respons rue, accurate, e possibility of



Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	<b>)</b>	NPDES Permit	No.: PAG130043	
Date of Inspection:	3/21/2024		Outfall ID No.:	15	
Land Uses in Outfall D	Drainage Area (Select All):		Latitude:	'''''''	
Industrial	Urban Residenti	al	Longitude:	°'-	n
Commercial	🗹 Suburban Resid	ential	Dry Weather Ins	spection?  Yes	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗹 Yes	🗌 No
			Are Photograph	s Attached? 🗹 Yes	🗌 No
	OU	TFALL D	ESCRIPTION		
ТҮРЕ	MATERIAL	5	SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: 18 in	In Water
		Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Вох	Triple		
		Other	Other		
Open Channel	Concrete	Trapez	zoid	Depth: in	
	Earthen	Parabo	olic	Top Width: in	
	🔲 Rip-Rap	Other		Bottom Width:	-
	Other		<i>^</i>		
Dry Weather Flow Pre	esent at Outfall During Insp	pection?	Yes 🗌 No (I	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗹 Trickle 🗌 Mod	erate 🗌 S	Significant 🗌 N/	A	
	DRY WE	ATHER FI	OW EVALUA	TION	
Does the dry weather	flow contain color?	′es 🗹 No	lf Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗹 N	No If Yes, provid	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa cription below.	iters as a re	sult of the dischar	ge? 🗌 Yes 🗹 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids	s, scum, she	een or substances	that result in deposits	? 🗌 Yes 🗹 No

	FIE	ELD / LABOR	RATORY ANALYSIS		N-South States
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 [	DISCHARGES		
Is the dry weather flow an If Yes, describe efforts m Describe corrective actio	n illicit discharge ade to determine ns taken by the p	?  Yes	No of the illicit discharge. ponse to the finding of an illi	cit discharge.	
Is the dry weather flow an If Yes, describe efforts m Describe corrective actio Inspector Comments:	n illicit discharge ade to determine ns taken by the p	?  Yes	No of the illicit discharge. ponse to the finding of an illi	cit discharge.	
Is the dry weather flow an If Yes, describe efforts m Describe corrective actio Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESF	?  Yes A the source(s) o oermittee in resp PONSIBLE O	No of the illicit discharge. Donse to the finding of an illi	cit discharge.	
Is the dry weather flow an If Yes, describe efforts m Describe corrective actio Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kn Sean C Responsible Official Na 215 - 340	RESI f law that this do y inquiry of the p hation, the inform hat there are signowledge of viola	PONSIBLE O Decument and all assure that qua berson or person pation submitted pations. See 18 F	No of the illicit discharge. Donse to the finding of an illi ponse to the finding of an illi <b>FFICIAL CERTIFICAT</b> attachments were prepared lified personnel properly ga ans who manage the system d is, to the best of my know es for submitting false inform Pa. C.S. § 4904 (relating to un Signature 3/21/22	cit discharge.	n or supervision ted the informat directly respons rue, accurate, a e possibility of

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER



Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

		BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightsto	wn Township	D	NPDES Permit	No.: PA <b>G130043</b>	
Date of Inspection:	3/21/2024			Outfall ID No .:	22	
Land Uses in Outfall E	Drainage Area	a (Select All):		Latitude:	0 1	33
Industrial	🗌 Uri	ban Residenti	ial	Longitude:	'	55
Commercial	🗌 Su	burban Resid	ential	Dry Weather Ins	spection? 🗹 Yes	□ No
Open Space	🗌 Ott	ner:		Date of Previou	s Precipitation:	
				Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donne	11		Were Photograp	ohs Taken? 🗌 Yes	🗌 No
<i>.</i>				Are Photograph	s Attached?	🗌 No
		OU	TFALL DI	ESCRIPTION		
TYPE	MATE	ERIAL	5	HAPE	DIMENSIONS	SUBMERGED
Closed Pipe	I RCP	CMP	I Circula	ar 🗌 Single	Diameter: <u>2</u> ビ」in	In Water
	D PVC	HDPE	Elliptic	al 🗌 Double		U With Sediment
	Steel	Other	🗌 Box	Triple		
			Other	Other		
Open Channel	Concret	e	Trapez	zoid	Depth: in	
	Earthen	l,	D Parabo	olic	Top Width: in	
	🗌 Rip-Rap	0	Other		Bottom Width:	-
	Other					
Dry Weather Flow Pre	esent at Outfa	II During Insp	ection?	Yes 🗌 No (I	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 📋 Tric	kle 🗌 Mod	erate 🗌 S	ignificant 🗌 N/.	A	
		DRY WE	ATHER FL	OW EVALUA	TION	
Does the dry weather	flow contain	color? 🗌 Y	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 If Yes, provide a desc	change in the ription below	receiving wa	iters as a res	sult of the dischar	ge? 🗌 Yes 🗹 No	
Does the dry weather If Yes, provide a desc	flow contain cription below	floating solids	s, scum, she	en or substances	that result in deposits	? 🗌 Yes 🖞 No

PARAMETER         Flow Rate         pH         Total Residual Chlorine (TRC)         Conductivity         Ammonia-Nitrogen         Other:	FIE	UNITS	PARAMETER	RESULTS	UNITS
PARAMETER Flow Rate DH Total Residual Chlorine (TRC) Conductivity Ammonia-Nitrogen Other:	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate DH Total Residual Chlorine (TRC) Conductivity Ammonia-Nitrogen Other:					UNITO
DH Total Residual Chlorine (TRC) Conductivity Ammonia-Nitrogen Other:		GPM	Fecal Coliform		No./100 mL
Total Residual Chlorine (TRC) Conductivity Ammonia-Nitrogen Other:		S.U.	COD		mg/L
Conductivity Ammonia-Nitrogen Other:		mg/L	BOD5		mg/L
Ammonia-Nitrogen Other:		µmhos/cm	TSS		mg/L
Other:		mg/L	TDS		mg/L
			Oil and Grease		mg/L
Other:			Other:		
Indicate the parameters abo	ove that were a	analyzed by a D	EP-certified laboratory:		
			JISCHARGES		
Is the dry weather flow an il	licit discharge	? 🗌 Yes 🖪	No		
If Yes describe efforts mad	e to determine	the source(s) o	of the illicit discharge.		
			0		
	And any hear the second	e mitte e in reer	and to the finding of an illi	cit discharge	
Describe corrective actions	taken by the p	permittee in resp	bonse to the finding of art fin	cit discharge.	
1					
Inspector Comments:					
	RESP	ONSIBLE O	FFICIAL CERTIFICAT	ION	
L certify under penalty of la	aw that this do	ocument and all	attachments were prepared	under my directio	n or supervision
accordance with a system	designed to a	assure that qua	lified personnel properly ga	thered and evaluat	ed the information
submitted. Based on my i	nquiry of the p	person or persor	ns who manage the system	or those persons c	lirectly responsib
for gathering the informati	on, the inform	nation submitted	I is, to the best of my know	ledge and belief, t	rue, accurate, a
complete. I am aware that	t there are sig	nificant penaltie	es for submitting false inform	nation, including th	e possibility of fi
and imprisonment for know	vledge of viola	ations. See 18 P	a. C.S. § 4904 (relating to ur	sworn falsification).	
			p	Q. P	. 1/
Sean O'	Donne 11		Am	0 Donn	44
Responsible Official Name	9		Signature		
	0600		3/21/8	4	
215-340-			D.I.		



DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	0	NPDES Permit	No.: PAG130043	
Date of Inspection:	3/21/2024		Outfall ID No.:	1 (OP)	
Land Uses in Outfall	Drainage Area (Select All):		Latitude:	°,	
Industrial	Urban Residenti	al	Longitude:	°'	<u>n</u>
Commercial	🗂 Suburban Resid	ential	Dry Weather Ins	spection? Ves	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🗌 Yes	🗌 No
			Are Photograph	s Attached?	🗌 No
	OU	TFALL D	ESCRIPTION	Distanting of	
TYPE	MATERIAL	5	SHAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: <u>36</u> in	In Water
	PVC HDPE	Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Box	Triple		
		C Other	Other		
Open Channel	Concrete	Trapez	zoid	Depth: in	
	Earthen	Parabo	olic	Top Width: in	
	🗌 Rip-Rap	C Other		Bottom Width:	
	Other				
Dry Weather Flow Pre	esent at Outfall During Insp	ection? 🔽	Yes 🗌 No (li	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🔲 Trickle 🗹 Mode	erate 🗌 S	ignificant 🗌 N/.	4	
	DRY WE	ATHER FI	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 M	No If Yes, provide	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa ription below.	ters as a res	sult of the dischar	ge? 🗌 Yes 🖄 No	5
Does the dry weather If Yes, provide a desc	flow contain floating solids cription below.	s, scum, she	en or substances	that result in deposits'	? 🗌 Yes 📶 No

	FIE	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:		
ndicate the parameters a	bove that were a	analyzed by a D	EP-certified laboratory:		
	ALL STREET	ILLICIT D	DISCHARGES		
				a state of the second se	
11. 1	illisit disabasaa'		No		
s the dry weather flow ar	illicit discharge	? 🗆 Yes 🖨	No		
Is the dry weather flow an	illicit discharge	?  Yes	No of the illicit discharge.		
ls the dry weather flow ar If Yes, describe efforts ma	a illicit discharge	?  Yes	No of the illicit discharge.		
Is the dry weather flow ar If Yes, describe efforts ma	illicit discharge	?  Yes	No of the illicit discharge.		
Is the dry weather flow ar If Yes, describe efforts ma	i illicit discharge	?  Yes	No of the illicit discharge.		
Is the dry weather flow an If Yes, describe efforts ma	a illicit discharge	?  Yes	No of the illicit discharge.	nit discharge	Pratri 17 - 12 19
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	n illicit discharge ade to determine ns taken by the p	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	n illicit discharge ade to determine ns taken by the p	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	a illicit discharge ade to determine ns taken by the p	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action	n illicit discharge ade to determine ns taken by the p	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	1460 PT 1 2 1 2 1 2
s the dry weather flow an f Yes, describe efforts ma Describe corrective action	a illicit discharge	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
s the dry weather flow an f Yes, describe efforts ma Describe corrective action	a illicit discharge	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
s the dry weather flow an f Yes, describe efforts ma Describe corrective action	ade to determine	?  Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
s the dry weather flow an f Yes, describe efforts ma Describe corrective action	a illicit discharge ade to determine ns taken by the p	?  Yes  the source(s) of the source of the s	No of the illicit discharge. Sonse to the finding of an illic FFICIAL CERTIFICAT	cit discharge.	
s the dry weather flow an f Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESF f law that this do	PONSIBLE O	No of the illicit discharge. ponse to the finding of an illic FFICIAL CERTIFICAT	cit discharge.	n or supervision
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESF f law that this do em designed to a	PONSIBLE O	No of the illicit discharge. ponse to the finding of an illic FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat	cit discharge.	n or supervision
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESF f law that this do em designed to a y inquiry of the p	PONSIBLE O Document and all assure that qual person or person	No of the illicit discharge. The onse to the finding of an illic onse to the finding of an illic <b>FFICIAL CERTIFICAT</b> attachments were prepared ified personnel properly gat as who manage the system	on under my directior hered and evaluate or those persons d	n or supervision ed the informative
s the dry weather flow an f Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine his taken by the p ns taken by the p RESP f law that this do and designed to a y inquiry of the p ation, the inform	PONSIBLE O Document and all assure that qual person or person nation submitted	No of the illicit discharge. Donse to the finding of an illic <b>FFICIAL CERTIFICAT</b> attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know	cit discharge.	n or supervisio ed the informa irectly respons rue, accurate,
s the dry weather flow and f Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine has taken by the p RESF f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig	PONSIBLE O permittee in resp pourment and all assure that qual person or persor pation submitted prificant penaltie	No of the illicit discharge. The illicit discharge. The illicit discharge. The illicit discharge of an illicit of the finding of an illicit of an illicit set of the finding of an illicit of an illic	on under my direction hered and evaluate or those persons d ledge and belief, tr nation, including the	n or supervision ed the informa irectly respons rue, accurate, a e possibility of
Is the dry weather flow and If Yes, describe efforts matching Describe corrective action Inspector Comments: Inspector Comments:	n illicit discharge ade to determine his taken by the p RESF f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O PONSIBLE O Document and all assure that qual person or person nation submitted prificant penaltie ations. See 18 P	No of the illicit discharge. Sonse to the finding of an illic ponse to the finding of an illic <b>FFICIAL CERTIFICAT</b> attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	on on on under my direction hered and evaluate or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervision ed the informat irectly respons rue, accurate, a e possibility of t
s the dry weather flow and f Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine his taken by the p RESP f law that this do and designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O Decument and all assure that qual person or person nation submitted policiant penaltie ations. See 18 P	No of the illicit discharge. Donse to the finding of an illic <b>FFICIAL CERTIFICATI</b> attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	Cit discharge.	n or supervision ed the informat irectly responsi rue, accurate, a e possibility of t
s the dry weather flow and f Yes, describe efforts ma Describe corrective action nspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware the and imprisonment for known Sean C	n illicit discharge ade to determine his taken by the p RESP f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O PONSIBLE O Decument and all assure that qual person or persor nation submitted unificant penaltie ations. See 18 P	No of the illicit discharge. Donse to the finding of an illic ponse to the finding of an illic source of a second second second ified personnel properly gat attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	on under my direction hered and evaluate or those persons d ledge and belief, tr nation, including the sworn falsification).	n or supervision ed the informat irectly responsi- ue, accurate, a e possibility of t
s the dry weather flow and f Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware the and imprisonment for known Sean C Responsible Official Nar	n illicit discharge ade to determine his taken by the p RESE f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola Donme I me	PONSIBLE O PONSIBLE O Decument and all assure that qual Decision or person nation submitted prificant penaltie ations. See 18 P	No of the illicit discharge. Donse to the finding of an illic ponse to the finding of an illic source of a second second second second ified personnel properly gat attachments were prepared ified personnel properly gat is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature	ON under my direction hered and evaluate or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervision ed the informat irectly responsi rue, accurate, a e possibility of t
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware the and imprisonment for known Sean C Responsible Official Nar 2.15 - 340	RESP ade to determine as taken by the p s taken by the p restaken by the p f law that this do an designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola Donme I me - 0600	PONSIBLE O Decrmittee in resp PONSIBLE O Document and all assure that qual Decrson or person thation submitted portion submitted prificant penaltie ations. See 18 P	No of the illicit discharge. The illicit discharge. The illicit discharge. The illicit discharge is bonse to the finding of an illicit of an illicit attachments were prepared if ied personnel properly gat is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Signature 3/21/24	on under my direction hered and evaluate or those persons d ledge and belief, tr nation, including the sworn falsification).	n or supervision ed the informat irectly responsi rue, accurate, a e possibility of t

DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	р	NPDES Permit	No.: PAG130043	
Date of Inspection:	3/21/2024		Outfall ID No.:	國 み (OP)	
Land Uses in Outfall	Drainage Area (Select All):		Latitude:	,	
Industrial	Urban Resident	ial	Longitude:	°'-	33
Commercial	Suburban Resid	lential	Dry Weather Ins	spection? I Yes	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🛛 Yes	🗌 No
			Are Photograph	s Attached? MYes	🗌 No
	OU	TFALL DI	ESCRIPTION		
TYPE	MATERIAL	5	HAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: 24 in	In Water
	PVC HDPE	Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Box	Triple		
		Other	Other		
Open Channel	Concrete	🗌 Trapez	zoid	Depth: in	
	Earthen	Parabo	olic	Top Width: in	
	🗌 Rip-Rap	C Other		Bottom Width:	-
	Other		1.1		
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes 🗹 No (li	f No, skip to Certificatio	on Section)
Description of Flow R	ate: 🗌 Trickle 🗌 Mod	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	lo If Yes, provide	e a description below.	
Is there an observed If Yes, provide a desc	change in the receiving wa ription below.	ters as a res	sult of the discharg	ge? 🗌 Yes 🗌 No	
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	s, scum, she	en or substances	that result in deposits?	? 🗌 Yes 🗌 No

	FIE	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	bove that were	analyzed by a D	EP-certified laboratory:		
The second s			DISCHARGES		
		ILLION L			
Is the dry weather flow ar	illicit discharge		No		
Is the dry weather flow ar	n illicit discharge	? 🗌 Yes 🗹	No		
Is the dry weather flow an If Yes, describe efforts ma	n illicit discharge	?  Yes	No of the illicit discharge.		
Is the dry weather flow ar If Yes, describe efforts m	n illicit discharge	?  Yes	No of the illicit discharge.		
Is the dry weather flow ar If Yes, describe efforts ma	a illicit discharge	?  Yes	No of the illicit discharge.		
Is the dry weather flow ar If Yes, describe efforts m	n illicit discharge	?  Yes	No of the illicit discharge.	sit discharge	
Is the dry weather flow ar If Yes, describe efforts m Describe corrective action	n illicit discharge ade to determine ns taken by the p	P Yes A	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow ar If Yes, describe efforts m Describe corrective action	n illicit discharge ade to determine ns taken by the p	P Yes A	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow ar If Yes, describe efforts ma Describe corrective action	n illicit discharge ade to determine	P Yes	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts m Describe corrective action	n illicit discharge ade to determine	P Yes A	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge	P Yes A	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine	P Yes A	No of the illicit discharge. ponse to the finding of an illio	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p	PONSIBLE O	No of the illicit discharge. oonse to the finding of an illic	cit discharge.	
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESF	PONSIBLE O	No of the illicit discharge. ponse to the finding of an illic FFICIAL CERTIFICATI	cit discharge.	n or supervisio
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESP f law that this do em designed to a	PONSIBLE O	No of the illicit discharge. oonse to the finding of an illic <b>FFICIAL CERTIFICATI</b> attachments were prepared ified personnel properly gat	cit discharge.	n or supervisio ed the informa
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments:	n illicit discharge ade to determine ns taken by the p RESP f law that this do em designed to a y inquiry of the p	PONSIBLE O Decument and all assure that qual person or person	No of the illicit discharge. oonse to the finding of an illic <b>FFICIAL CERTIFICAT</b> attachments were prepared ified personnel properly gat as who manage the system	on on on under my direction thered and evaluate or those persons d	n or supervisio ed the informa irectly respons
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform	n illicit discharge ade to determine ns taken by the p RESF f law that this do em designed to a y inquiry of the p ation, the inform	PONSIBLE O Coursent and all assure that qual person or person pation submitted	No of the illicit discharge. Donse to the finding of an illic <b>FFICIAL CERTIFICATI</b> attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know	CIN CON Under my direction thered and evaluate or those persons d ledge and belief, tr	n or supervisio ed the informa irectly respons rue, accurate, a
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t	n illicit discharge ade to determine ns taken by the p RESP f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig	PONSIBLE O	No of the illicit discharge. Donse to the finding of an illic ponse to the finding of an illic sonse to the finding of an illic ponse to the finding of an illic sonse to the finding of an illic <b>FFICIAL CERTIFICATI</b> attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know is for submitting false inform a C S & 4904 (relating to un	on under my direction hered and evaluate or those persons d ledge and belief, tr hation, including the sworn falsification)	n or supervision ed the informat irectly respons rue, accurate, a e possibility of t
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kr	n illicit discharge ade to determine ns taken by the p RESF f law that this do are designed to a y inquiry of the p ation, the inform hat there are sig nowledge of viola	PONSIBLE O Ponsible of permittee in resp Ponsible of person of person person of person person of person person submitted prificant penaltie person Sible of Ponsible of person of person person of person person of person penaltie	No of the illicit discharge. Donse to the finding of an illic <b>FFICIAL CERTIFICATI</b> attachments were prepared ified personnel properly gat his who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	on on on on or those persons d ledge and belief, tr nation, including the sworn falsification).	n or supervision ed the informat irectly respons rue, accurate, a e possibility of t
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kn	n illicit discharge ade to determine ns taken by the p RESE f law that this do and designed to a y inquiry of the p ation, the inform hat there are sig nowledge of viola	PONSIBLE O Ponsible of permittee in resp Ponsible of person of person person of person person submitted person Sible of Ponsible of person of person person submitted person Sible of Ponsible of Po	No of the illicit discharge. Donse to the finding of an illic ponse to the finding of an illic source of a state of a sta	ON under my direction thered and evaluate or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervision ed the informat irectly respons rue, accurate, a e possibility of t
Is the dry weather flow an If Yes, describe efforts ma Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware t and imprisonment for kn Sean O Responsible Official Nat	n illicit discharge ade to determine ns taken by the p RESE f law that this do em designed to a y inquiry of the p ation, the inform hat there are sig nowledge of viola ' Donne I <sup>1</sup> me	PONSIBLE O Powermittee in resp PONSIBLE O Document and all assure that qual person or persor pation submitted prificant penaltie ations. See 18 P	No of the illicit discharge. Donse to the finding of an illic ponse to the finding of an illic sonse to the finding of an illic personnel properly gat attachments were prepared ified personnel properly gat is, to the best of my know as for submitting false inform a. C.S. § 4904 (relating to un Signature	ON under my direction thered and evaluate or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervision ed the informat irectly respons rue, accurate, a e possibility of t
Is the dry weather flow an If Yes, describe efforts manual Describe corrective action Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on m for gathering the inform complete. I am aware to and imprisonment for kritic Sean O Responsible Official Nation 215 - 340	RESP ade to determine ade to determine ade to determine the staken by the p <b>RESP</b> f law that this do the mage of the p ation, the inform hat there are signowledge of viola <u>Donne II</u> me - 0600	PONSIBLE O PONSIBLE O Document and all assure that qual person or persor mation submitted prificant penaltie ations. See 18 P	No of the illicit discharge. The illicit discharge. The onse to the finding of an illic ponse to the finding of an illic sonse to the finding of an illic <b>FFICIAL CERTIFICATI</b> attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know as for submitting false inform a. C.S. § 4904 (relating to un Signature 3/21/24	ON under my direction thered and evaluate or those persons d ledge and belief, tr nation, including the sworn falsification).	n or supervision ed the informat irectly respons rue, accurate, a e possibility of t

DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

BACKGROUND INFORMATION					
Permittee Name:	Wrightstown Township	o	NPDES Permit No.: PAG130043		
Date of Inspection:	3/21/2024		Outfall ID No.: 5 (OP)		
Land Uses in Outfall	Drainage Area (Select All):		Latitude:		
Industrial	Urban Residenti	al	Longitude:	'	
Commercial	🗹 Suburban Resid	ential	Dry Weather Ins	spection?  Yes	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): Se	ean O'Donnell		Were Photograp	ohs Taken? 🛛 Yes	🗌 No
			Are Photograph	s Attached? TYes	🗌 No
	OU	TFALL D	ESCRIPTION		
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: <u>24</u> in	In Water
	PVC HDPE	Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Box	Triple		
		Other	Other		<u></u>
Open Channel	Concrete	🗌 Trapez	zoid	Depth: in	
	Earthen	Parabo	olic	Top Width: in	
	🗌 Rip-Rap	C Other		Bottom Width:	-
	Other		/		
Dry Weather Flow Pre	esent at Outfall During Insp	ection? 🖸	Yes 🗌 No (li	f No, skip to Certificatio	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?  Yes No If Yes, provide a description below.					
Does the dry weather	flow contain an odor?	Yes 🔽 🕅	No If Yes, provide	e 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 pription below.	s, scum, she	en or substances	that result in deposits'	? 🗌 Yes 🗹 No

	FI	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:		
Indicate the parameters a	bove that were	analyzed by a D	EP-certified laboratory:		
		ILLICIT D	DISCHARGES		
f Yes, describe efforts ma	ade to determine	e the source(s) o	f the illicit discharge.		
Describe corrective action	is taken by the r	permittee in resp	onse to the finding of an illio	cit discharge.	
Describe controlate dealer	io tanton by the p		0		
Inspector Comments:					
Inspector Comments:					
Inspector Comments:					
Inspector Comments:	RESE	PONSIBLE O	FFICIAL CERTIFICAT	ON	
Inspector Comments:	RESF	PONSIBLE O	FFICIAL CERTIFICAT	ON under my direction	n or supervisio
Inspector Comments: I certify under penalty of accordance with a syste	RESP law that this do m designed to	PONSIBLE O	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat	ON under my direction thered and evaluat	n or supervisio ed the informa
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my	RESP f law that this do m designed to y inquiry of the p	PONSIBLE O ocument and all assure that qual person or persor	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is who manage the system is to the best of my know	ON under my direction thered and evaluat or those persons d	n or supervisio ed the informa lirectly respons
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware t	RESP f law that this do im designed to a y inquiry of the p ation, the inform hat there are sid	PONSIBLE O becument and all assure that qual berson or person nation submitted unificant penaltie	FFICIAL CERTIFICAT attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know as for submitting false inform	ON under my direction thered and evaluat or those persons d ledge and belief, to nation, including the	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware th and imprisonment for kn	RESP f law that this do im designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O becument and all assure that qual berson or persor mation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	ON under my direction thered and evaluat or those persons d ledge and belief, tu nation, including the sworn falsification).	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware th and imprisonment for kn	RESI f law that this do arm designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O becument and all assure that qual berson or persor nation submitted unificant penaltie ations. See 18 P	FFICIAL CERTIFICAT attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un	ON under my direction hered and evaluat or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware the and imprisonment for known Sean O'	RESI f law that this do at designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola	PONSIBLE O becument and all assure that qual berson or person nation submitted unificant penaltie ations. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat is who manage the system is, to the best of my know is for submitting false inform a. C.S. § 4904 (relating to un Jean C	ON under my direction thered and evaluat or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the information for gathering the information fo	RESI f law that this do im designed to a y inquiry of the p ation, the inform hat there are sig owledge of viola Donnell ne	PONSIBLE O bocument and all assure that qual berson or person nation submitted prificant penaltie ations. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know s for submitting false inform a. C.S. § 4904 (relating to un Aem Signature	ON under my direction thered and evaluat or those persons d ledge and belief, tr hation, including the sworn falsification).	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of
Inspector Comments: I certify under penalty of accordance with a syste submitted. Based on my for gathering the inform complete. I am aware th and imprisonment for kn <u>Sean</u> O' Responsible Official Nar 215 - 34	RESI f law that this do ation, the inform hat there are sign owledge of viola Donnell ne 10 - 0600	PONSIBLE O becument and all assure that qual berson or persor nation submitted unificant penaltie ations. See 18 P	FFICIAL CERTIFICATI attachments were prepared ified personnel properly gat as who manage the system is, to the best of my know s for submitting false inform a. C.S. § 4904 (relating to un Signature 3/21/2	ON under my direction thered and evaluat or those persons d ledge and belief, tr hation, including the sworn falsification). Thomas defined worn falsification of the sworn falsification of the sworn falsification of the sworn of the sworn falsification of the swor	n or supervisio ed the informa lirectly respons rue, accurate, e possibility of



Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

	BACK	GROUND	INFORMATIO	N	
Permittee Name:	Wrightstown Township	p	NPDES Permit No.: PAG130043		
Date of Inspection:	3/21/2024		Outfall ID No .:	7	
Land Uses in Outfall	Drainage Area (Select All):		Latitude:	i	
Industrial	Urban Residenti	al	Longitude:	,	
Commercial	🗹 Suburban Resid	lential	Dry Weather Ins	spection? 🗗 Yes	🗌 No
Open Space	Other:		Date of Previous	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s): S	ean O'Donnell		Were Photograp	ohs Taken? 🖸 Yes	🗌 No
			Are Photograph	s Attached? 💟 Yes	🗌 No
	OU	TFALL DI	ESCRIPTION		
TYPE	MATERIAL	s	HAPE	DIMENSIONS	SUBMERGED
Closed Pipe	RCP CMP	Circula	ar 🗌 Single	Diameter: <u>24</u> in	In Water
	PVC HDPE	Elliptic	al 🗌 Double		With Sediment
	Steel Other	🗌 Вох	Triple		
		Other	Other		
Open Channel	Concrete	🗌 Trapez	zoid Depth: in		
	Earthen	Parabo	olic Top Width: in		
	🗌 Rip-Rap	C Other	Bottom Width:		-
	Other				
Dry Weather Flow Pre	esent at Outfall During Insp	ection? 🗹	Yes 🗌 No (li	f 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?  Yes No If Yes, provide a description below.					
Does the dry weather flow contain an odor?  Yes Yo 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.	s, scum, she	en or substances	that result in deposits?	? 🗌 Yes 🕒 No

PARAMETER Flow Rate	RESULTS	LINITS			
Flow Rate		UNITO	PARAMETER	RESULTS	UNITS
oH		GPM	Fecal Coliform		No./100 mL
Total Residual Chlorine		S.U.	COD		mg/L
(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 at	ove that were	analyzed by a D	EP-certified laboratory:		
		ILLICIT D	DISCHARGES		
Is the dry weather flow an	illicit discharge	? 🗆 Yes 🕅	No		
	, in the second s		· · ·		
If Yes, describe efforts ma	de to determine	e the source(s) of	of the illicit discharge.		
	- talena buiten i	armittee in reer	analy to the finding of an illi	cit discharge	
Describe corrective action	s taken by the p	bermillee in resp	onse to the midning of an mi	on disorial go.	
Inspector Comments:					
	RESI	PONSIBLE O	FFICIAL CERTIFICAT	ION	
Leastify under penalty of	low that this de	cument and all	attachments were prepared	d under my directio	n or supervision
I certify under penalty of	naw that this ut	accure that qua	lified personnel properly ga	thered and evaluat	ted the information
accordance with a system	inquiry of the	assure that qua	ns who manage the system	or those persons of	directly respons
Submitted. Based on my	tion the inform	nation submittee	t is to the best of my know	ledge and belief, t	true, accurate,
	at there are sid	nificant penaltie	es for submitting false inform	nation, including th	e possibility of
complete I am aware th	awledge of viol	ations. See 18 P	Pa. C.S. § 4904 (relating to un	nsworn falsification).	
complete. I am aware the	JVVIEGUCE OF VIOR		0	8 8	
complete. I am aware th and imprisonment for kno	owiedge of viol				
Sean O'	Domnel	/	fein C	Danil	·
Complete. I am aware the and imprisonment for known of the second	Domnell ne	/		Danul	
The sponsible official Name $215 - 340 - 340$	Domnela 0600	/	Signature 3/21/	Dand	

# Appendix I: Operation & Maintenance

# **BMP #1: Inventory of Facilities and Activities**

Facility/Activity	Storm Sewer System Impact	Discharge To:	O&M Responsibilities	Attachment
Public Works Yard, 738 Penns Park Rd.	Runoff from Yard		Vehicle Maintenance, Material Storage	1
Streets	inlets, storm sewers, swales	Neshaminy Creek and Jericho Creek	Inlet Cleaning, Maintenance of Storm Sewers and Swales, Street Sweeping, Snow Removal/Deicing and Road Paving or Repairs	2
Township Owned Properties	inlets, storm sewers, swales, stormwater facilities	Neshaminy Creek and Jericho Creek	Inlet Cleaning, Maintenance of Stormwater Management Facilities, Lawn Maintenance and Pavement Maintenance	3

#### BMP #2: O&M Actions

#### Contact: Stacey Mulholland Attachment #1: Public Works Yard, 738 Penns Park Road

Responsibility	When and How Often?	Actions
Maintenance Operations	Daily	Perform maintenance of equipment and vehicles in building.
		• Eliminate leaks in vehicles and equipment. Use drip pans as needed.
		<ul> <li>Minimize use of solvents. Non-hazardous cleaners and solvents will be used whenever possible.</li> </ul>
		<ul> <li>Follow spill prevention and control measures and maintain a supply of materials for the cleanup of spills.</li> </ul>
		• Recycle used oil. Used rags, oil filters, air filters, batteries, tires and degreasers must be recycled or disposed of properly.
		Maintain appropriate signage.
		Keep area clean.
		• Indoor floor drains are connected to oil/grease separator which must be properly maintained.
		• When practical, chemicals, fluids & supplies should be kept inside. If outside, they must be covered and placed on spill platforms. Oils, greases & lubricants must be stored inside.
Vehicle Washing	As needed	Utilize commercial car wash whenever possible
		• If washed on-site, perform washing in building or on grass or permeable surface. No wash water shall enter the storm sewer or stream
		<ul> <li>Use phosphate-free biodegradable detergents when possible</li> </ul>
Road Salt Maintenance	Daily, when in use	<ul> <li>Keep rain off of stored road salt – store road salt in salt storage building</li> </ul>
		Calibrate spreaders
		<ul> <li>Haul and stock salt during dry weather</li> </ul>
		<ul> <li>Sweep up spills around salt/loading area</li> </ul>
Fuel – 250 gal. above	Daily	<ul> <li>All fueling operations will be monitored to prevent or react to spills</li> </ul>
ground diesel fuel storage		<ul> <li>All spills to be cleaned up immediately.</li> </ul>
tank & 250 gal. above		<ul> <li>Topping off of vehicle fuel tanks is discouraged</li> </ul>
ground gasoline storage		<ul> <li>Above ground storage tanks are maintained within a suitable secondary containment area.</li> </ul>
tank		Appropriate clean up materials such as oil dry or absorbent pads will be maintained at the
		fueling area and will be used to prevent spillage from entering a storm sewer, drainage swale or stream.

#### BMP #2: O&M Actions

#### Attachment #2: Streets – 20.81 miles of road throughout the Township

Responsibility	When and How Often?	Actions	Additional Considerations
Inlets	Annually	Inspect and clean inlets in Township roads	Check inlets after heavy rain as needed
Swales	Annually	Inspect for erosion and stabilize as needed	Check inlets after heavy rain as needed
Storm Sewers	Annually and As	Verify storm sewers are functioning and clean or	
	Needed	repair as needed	
Snow Removal/Deicing	As needed	Salting and plowing the roads, as needed, during and	Minimize the amount of salt used on
		after a snow or ice event	the roadways
Street Paving/Repair	As needed	Milling, patching, paving or repairs of Township Road	
MS4 Outfalls – 24 outfalls	Once per 5 yr. permit	Inspection of outfalls/observation points for illicit	
& 8 observation points	period. Annually if	discharges during dry weather. Follow procedures in	
	flow observed	Illicit Discharge Detection & Elimination Program.	

#### BMP #2: O&M Actions

#### Attachment #3: Township Owned Property

Responsibility	When and How Often?	Actions	Additional Considerations
Open Space	Annually	<ul> <li>Inspect swales and vegetated areas for eroded areas and stabilize as needed</li> <li>Inspect streambank for eroded areas</li> </ul>	Located in Neshaminy Creek & Jericho Creek Watersheds
Stormwater Facilities	Annually and As Needed	<ul> <li>Maintain appropriate vegetation</li> <li>Address any eroded areas</li> <li>Verify that basin is functioning properly</li> </ul>	Check stormwater management facilities after heavy rain as needed
Township Building, 1733 Township Greene	Seasonally	<ul> <li>Maintain lawn areas</li> <li>Verify all areas are stabilized to prevent erosion</li> <li>Maintain parking areas and clean inlets, storm sewers or swales associated with parking lots</li> </ul>	
Library, 727 Penns Park Road	Seasonally	<ul> <li>Maintain lawn areas</li> <li>Verify all areas are stabilized to prevent erosion</li> <li>Maintain parking areas and clean inlets, storm sewers or swales associated with parking lots</li> </ul>	

#### BMP #2: O&M Actions

#### Attachment #3: Township Owned Property

#### **Township-Owned Stormwater Facilities:**

Type of Stormwater Management Facility	Location	O&M Needs
Wet Pond Forebay/Detention Basin	Parsons Lane; Jericho Creek Watershed – within regulated MS4 Area	<ul> <li>Inspect outlet structure, outfall pipe, incoming storm sewers and repair as needed</li> <li>Inspect after major storm events</li> </ul>
		<ul> <li>Inspect vegetation</li> </ul>
Fire Pond and 2 Detention Basins	Matthews Lane; Jericho Creek Watershed – not	<ul> <li>Inspect outlet structure, outfall pipe, incoming</li> </ul>
	within regulated MS4 Area	storm sewers and repair as needed
		<ul> <li>Inspect after major storm events</li> </ul>
		<ul> <li>Inspect vegetation</li> </ul>

#### BMP #2: O&M Actions

#### Attachment #3: Township Owned Property

Location	Facilities	Property Size (ac.)	Watershed	Located in Urbanized Area/Regulated MS4 Area
797 Second Street Pike	Open Space	5.0	Neshaminy Creek Watershed	No
2203 Second Street Pike	Township Office & Open Space	62.66	Neshaminy Creek Watershed	No
727 Penns Park Road	Library	0.64	Neshaminy Creek Watershed	Yes
126 Jane Chapman Drive West	Open Space	15.66	Neshaminy Creek Watershed	No
108 Jane Chapman Drive West	Open Space	8.82	Neshaminy Creek Watershed	No
211 Brownsburg Road	Open Space & 2 Detention Basins for Matthews Lane	4.48	Jericho Creek Watershed	No
Matthews Lane Open Space	Open Space, Fire Pond & Wastewater Treatment Plant	16.45	Jericho Creek Watershed	No
Parsons Lane Open Space - North	Open Space & Stormwater Facility	9.19	Jericho Creek Watershed	Yes
Parsons Lane Open Space - South	Open Space	12.35	Jericho Creek Watershed	Yes
Perry Lane Open Space	Open Space	3.36	Neshaminy Creek Watershed	No
Anchor Run, 2576 Second Street Pike	Open Space & Farm	99.74	Neshaminy Creek Watershed	No

# Appendix J: Training Program

## Training Program Wrightstown Township

Persons to receive Training for MS4 Topics	Type of Training	MS4 Topics for Training
Township Supervisors	Provide information at Public Meetings. Attend workshops or seminars, as needed.	All MS4 Requirements and Regulations.
Volunteer Township Committee Members	Provide information at Public Meetings. Encourage attendance at educational seminars or workshops.	All MS4 Requirements and Regulations especially Public Education, Public Participation and Post- Construction Stormwater Management Requirements.
Township Staff/Consultants	Provide information on Stormwater Management Requirements. Attend workshops or seminars, as appropriate.	All MS4 Requirements and Regulations especially Public Education, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Stormwater Runoff Control and Post-Construction Stormwater Management Requirements.
Public Works Employees	Provide information on O&M procedures and good housekeeping procedures. Attend workshops or seminars, as appropriate.	All MS4 Requirements and Regulations especially Pollution Prevention/Good Housekeeping for Municipal Operations and Post Construction Stormwater Management.
Township Engineers	Attend or participate in webinars, seminars, PADEP workshops, etc. to remain current on MS4 requirements and regulations and to provide guidance to the municipality.	All MS4 Requirements and Regulations.

# STORMWATER OPERATION & MAINTENANCE WORKSHOP

Friday, Oct. 20, 2023 | 8:00 AM - 12:30 PM

Upper Merion Township Building, Freedom Hall 175 W Valley Forge Road King of Prussia, PA 19406

# AGENDA

- 8:00 8:30 Check-In & Morning Refreshments
- 8:30 8:45 Welcome & Introductions Meghan Rogalus, Schuylkill Action Network Manager

#### 8:45 - 10:00 Stormwater BMP Inspection Program Management

Beth Uhler, Pennsylvania Director, Center for Watershed Protection

- Creating and Maintaining a BMP Inventory
- Developing an Inspection Program and Procedures
- Compliance Process and Outreach Privately-owned BMPs
- Work Order Process and Training Municipally-owned BMPs
- Q&A and Discussion
- 10:00 10:15 Stretch Break

#### 10:15 - 11:30 Stormwater BMP Inspection & Maintenance

Julie Schneider, Watershed Planner, Center for Watershed Protection Paige Buzard, Landscape Designer, Center for Watershed Protection

- Nonstructural BMPs vs Structural BMPs
- Typical BMP Types
- Typical Inspection Issues
- Routine Maintenance vs Restorative Maintenance
- Q&A and Discussion
- 11:30 12:30 On-Site Mock Inspection of Rain Garden and Wet Pond Beth Uhler, Pennsylvania Director, Center for Watershed Protection

#### 12:30 Event Concludes

Financial and other support for this event is provided by the William Penn Foundation









# Perkiomen Stormwater Symposium Ursinus College | March 8, 2024



# Symposium Agenda

# Welcome

Musser Auditorium | 9 am Ryan Beltz Executive Director Perkiomen Watershed Conservancy

## Beth Uhler

Center for Watershed Protection Solving the Puzzle of IDDE (MCM #3)

# Eric Konzelmann

Montgomery County Conservation District Ch. 102 Construction Site Compliance: Conservation District & Municipal Roles

## Ruby Stanmyer

Environmental Protection Agency EPA PFAS Updates

## Jessie Kemper

Perkiomen Watershed Conservancy The Conservancy's MS4 Program and 20 Years of the Stream Clean-up

# Lunch

Wismer Cafeteria | 11:45 am

5

# Vicari & Colella - HRG

Going Beyond MCM Compliance: Collaboration for Cost-Effective Stormwater Management

# Stoltz & Mahoney

Department of Environmental Protection Keys to Success for Stream Restoration Projects as Best Management Practices for MS4

## Gilchrist & Shaw

Perkiomen Watershed Initiative: Perkiomen Mapping and Flood Reduction Study

## Beth Myers

Perkiomen Watershed Conservancy Ecological Restoration at Reiff Park

# **Closing Remarks**

# CERTIFICATE OF COMPLETION

# Meagan McKeon

has successfully completed an intensive training course titled

Webinar - Optimizing Stormwater Basin Retrofits for MS4 -6/26/24



Vard M Senko

**Executive Director** 

Completion Date June 26, 2024

# CERTIFICATE OF COMPLETION Camille Basilii

has successfully completed an intensive training course titled

Webinar - Optimizing Stormwater Basin Retrofits for MS4 -6/26/24



Dard M Senko

Executive Director

Completion Date July 08, 2024



## WRIGHTSTOWN TOWNSHIP BUCKS COUNTY, PENNSYLVANIA

## POLLUTION REDUCTION PLAN FINAL REPORT JERICHO CREEK WATERSHED

SEPTEMBER 2024

PREPARED BY: CKS Engineers, Inc. 4259 W. Swamp Road, Suite 410 Doylestown, PA 18902 3800-FM-BCW0014 Rev. 4/2024 PRP/TMDL Plan Final Report



#### Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### POLLUTANT REDUCTION PLAN (PRP) / TMDL PLAN FINAL REPORT

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

PRP / TM	<b>DL PLAN</b>	SUMMARY
----------	----------------	---------

Permittee Name: Wrightstown Township			Permit No.:	PAG130043	
PRP TMDL Plan Combined PRP / TM	/IDL Plan				
Plan Approval Date: 4/18/2019		Require	d Completion Date:	4/30/2024	
Joint Plan?  Yes  If Yes, identify all participating permittees as an attachment to this report					
Surface Waters Addressed by Plan: Jericho Ceel	k				
Permittee's Planning Area (acres): <b>113</b>	Tota	al Planning	Area (Joint Plans):		acres
Pollutant Load Reduction Calculation Methodology:					
Simplified Method Mapshed ModelMyWatershed Other:					
	TS	S	TN	ТР	
Baseline Pollutant Load – Planning Area	<b>5003.3</b> 6	lbs/yr	lbs/yr		lbs/yr
Pollutant Load Reduction Requirement (%)	10	%	%		%
Pollutant Load Reduction Requirement (lbs/yr)	5003	lbs/yr	lbs/yr		lbs/yr
WLA Reduction Requirement (TMDL Plan only)		lbs/yr	lbs/yr		lbs/yr

#### **BMP IMPLEMENTATION**

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

Pollutant Load Reductions are documented on the following attachments:

Attachment A – Infiltration BMPs	No.:	
Attachment B – BMP Retrofits	No.:	
Attachment C – Stream and/or Floodplain Restoration	No.:	
Attachment D – Street Sweeping or Storm Drain Solids Removal	No.:	
🗌 Attachment E – Riparian Buffers	No.:	
Attachment F – Tree Planting	No.:	
Attachment G – Non-structural (Annual Practice) BMPs	No.:	

BMP(s) have been implemented for which there are no attachments (attach calculations)

#### COMPLIANCE DETERMINATION

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

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

	TSS		TN	ТР	
Load Reduction Remaining	5003	lbs/yr	lbs/yr	lbs/yr	
Percent of Required Load Reduction Remaining	100	%	%	%	

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

#### CERTIFICATION

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

**Gregg Schuster** 

**Responsible Official Name** 

Signature

Interim Township Manager

Official Title

9/13/24

Date Signed

#### JERICHO CREEK PRP ADDITIONAL INFORMATION

The proposed Best Management Practice (BMP) provided in the Pollution Reduction Plan (PRP) for Jericho Creek in Wrightstown Township was to provide 112 LF of stream restoration. Two possible areas for stream restoration were identified on the mapping provided with the PRP. Both areas were investigated in June of 2020 and again in November of 2021. The proposed locations were not suitable for stream restoration. There was no active erosion or incising in the stream channel to warrant a stream restoration project. Since that determination, other potential BMPs were evaluated. However, due to the steep terrain in the watershed and the limited area available, it has been very difficult to find a potential BMP to provide the required sediment reduction.

Various roadside swales and drainage swales between existing outfall pipes and the stream were evaluated. For many of the potential sites, there was insufficient area draining to the proposed BMP in order to achieve the required sediment reduction. In other cases, the terrain was so steep and wooded that access to a potential site would be difficult and prohibitive.

A potential site for a vegetated swale is being evaluated. However, this swale is located downstream from an existing dry extended detention basin near Parsons Lane at the lower end of a steep wooded area. The Township will continue to evaluate this area and any other potential BMPs in the watershed.

Since it has been so difficult to locate a project in the Jericho Creek watershed, the proposed stream restoration project in the Neshaminy Creek watershed was extended from the required 329 LF to provide 450 LF of stream restoration to compensate for the proposed 112 LF of stream restoration that could not be achieved in the Jericho Creek watershed.

The PADEP has been advised that it has been difficult to find an appropriate BMP in the Jericho Creek watershed. It was requested that the PADEP allow for this expansion of the BMP in the Neshaminy Creek watershed for this permit term to compensate for the inability to provide an appropriate BMP in the Jericho Creek watershed at this time. This would provide the Township with more time to find, evaluate, and design a BMP in the Jericho Creek watershed to be constructed during the next permit term.

In an email from the PADEP dated January 24, 2023, the Township was requested to continue to pursue BMPs in the Jericho Creek watershed before the PADEP could consider allowing an expansion of the Neshaminy Creek BMP in lieu of providing a BMP in the Jericho Creek watershed this permit term. (See Attachment I)

The Township is continuing to evaluate potential BMPs including the potential vegetated swale downstream of the Parsons Lane basin. However, additional time is needed to

determine if the vegetated swale project is feasible, or to find another BMP to pursue. In the event that a potential BMP is determined to be feasible, the Township would need to provide an Amended PRP plan to the PADEP to review and approve including a public comment period prior to implementing an alternate BMP.

With these time constraints, the Township continues to request that the PADEP consider the Township pollutant reduction obligations for the current permit term complete with the expanded stream restoration project in the Neshaminy Creek watershed.

## Attachment I

January 24, 2023 Email from PADEP
#### **Mary Stover**

From:	Mahoney, Elizabeth <emahoney@pa.gov></emahoney@pa.gov>
Sent:	Tuesday, January 24, 2023 2:14 PM
То:	Mary Stover
Cc:	Cindy VanHise; Quinlan, Ian
Subject:	RE: [External] Wrightstown MS4 - Proposed stream restoration project

Hi Mary,

Even if the two Jericho Creek sites aren't good candidates for stream restoration, we would still ask that you try to find alternate sites and/or BMPs in this watershed in order to get as much pollutant reduction in the Jericho Creek basin as you can. DEP would then be in a better position to work with you on elongating the Neshaminy Creek stream restoration projects to make up the difference.

Beth

From: Mary Stover <mstover@cksengineers.com>
Sent: Tuesday, November 29, 2022 6:10 PM
To: Mahoney, Elizabeth <emahoney@pa.gov>
Cc: Cindy VanHise <cvanhise@cksengineers.com>; Quinlan, Ian <iquinlan@pa.gov>
Subject: RE: [External] Wrightstown MS4 - Proposed stream restoration project

Beth,

Thank you. We will proceed with the design and keep you advised.

In Wrightstown Township, there were two Pollution Reduction Plans, one for Neshaminy Creek and one for Jericho Creek. Both had proposed stream restoration. The information that I had sent you is for one of the areas identified for Neshaminy Creek. On the Jericho Creek side of the Township, there were two potential areas for stream restoration identified in the plan. Neither site looks ideal for stream restoration. One area is along a stream that does not appear to have existing eroded banks and the second area is a small tributary that may not be a considered a stream. It may be possible to create a vegetated swale along the small tributary, but the banks are fairly well vegetated.

Since the Township is required to complete these BMPs by April 30, 2024 for their current permit, would it be possible to increase the stream restoration on the Neshaminy Creek side for this permit period so that we have additional time to find a more appropriate BMP or BMPs for the Jericho Creek side in the next permit term?

Mary

Mary R. Stover, P.E.



4259 W. Swamp Road Suite 410 Doylestown, PA 18902 www.cksengineers.com

215.340.0600

From: Mahoney, Elizabeth <<u>emahoney@pa.gov</u>>
Sent: Tuesday, November 29, 2022 4:32 PM
To: Mary Stover <<u>mstover@cksengineers.com</u>>
Cc: Cindy VanHise <<u>cvanhise@cksengineers.com</u>>; Quinlan, Ian <<u>iquinlan@pa.gov</u>>
Subject: RE: [External] Wrightstown MS4 - Proposed stream restoration project

Hi Mary,

The site looks like a good candidate for a stream restoration project. As you get further along with the design, I would ask that you send us plans that detail the extent of the restoration work and associated plantings proposed so that we can nail down a crediting number. Thank you.

Beth

From: Mary Stover <<u>mstover@cksengineers.com</u>>
Sent: Tuesday, November 22, 2022 12:15 PM
To: Mahoney, Elizabeth <<u>emahoney@pa.gov</u>>
Cc: Cindy VanHise <<u>cvanhise@cksengineers.com</u>>
Subject: [External] Wrightstown MS4 - Proposed stream restoration project

**ATTENTION:** This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the <u>Report Phishing button in Outlook.</u>

Beth,

For Wrightstown Township, Bucks County, the Pollution Reduction Plan proposed 329 LF of stream restoration in the Neshaminy Creek Watershed to address their requirements. Attached is a description and photographs of the area where we are proposing the stream restoration. Prior to preparing the plans for permitting and construction, we are requesting that PADEP review the proposed stream restoration project and confirm that it would be eligible for pollutant reduction credits.

If you have any questions, or need additional information, please let me know.

Mary

Mary R. Stover, P.E.



4259 W. Swamp Road Suite 410 Doylestown, PA 18902

www.cksengineers.com 215.340.0600



#### WRIGHTSTOWN TOWNSHIP BUCKS COUNTY, PENNSYLVANIA

### POLLUTION REDUCTION PLAN FINAL REPORT NESHAMINY CREEK WATERSHED

SEPTEMBER 2024

PREPARED BY: CKS Engineers, Inc. 4259 W. Swamp Road, Suite 410 Doylestown, PA 18902 3800-FM-BCW0014 Rev. 4/2024 PRP/TMDL Plan Final Report



#### Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### POLLUTANT REDUCTION PLAN (PRP) / TMDL PLAN FINAL REPORT

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

PRP / TMDL	. PLAN	SUMMA	RY
------------	--------	-------	----

Permittee Name: Wrightstown Township		Permit No.:	PAG130043		
PRP   TMDL Plan   Combined PRP / TMDL Plan					
Plan Approval Date: 4/18/2019		Require	d Completion Date:	4/30/2024	
Joint Plan? Yes Xes No If Yes, identify all	participating	permittees a	as an attachment to th	nis report	
Surface Waters Addressed by Plan: Neshaminy	Ceek				
Permittee's Planning Area (acres): 343.8 Total Planning Area (Joint Plans): a					acres
Pollutant Load Reduction Calculation Methodology:			_		
Simplified Method Mapshed ModelMyWatershed Other:					
	тѕ	S	TN	TP	
Baseline Pollutant Load – Planning Area   147518   lbs/yr   Ibs/yr   340					lbs/yr
Pollutant Load Reduction Requirement (%)	10	%	%	5	%
Pollutant Load Reduction Requirement (lbs/yr)	14751	lbs/yr	lbs/yr	17	lbs/yr
WLA Reduction Requirement (TMDL Plan only)		lbs/yr	lbs/yr		lbs/yr

#### **BMP IMPLEMENTATION**

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

Pollutant Load Reductions are documented on the following attachments:

Attachment A – Infiltration BMPs	No.:	
Attachment B – BMP Retrofits	No.:	
Attachment C – Stream and/or Floodplain Restoration	No.: 1	
Attachment D – Street Sweeping or Storm Drain Solids Removal	No.:	
🗌 Attachment E – Riparian Buffers	No.:	
Attachment F – Tree Planting	No.:	
Attachment G – Non-structural (Annual Practice) BMPs	No.:	

BMP(s) have been implemented for which there are no attachments (attach calculations)

#### **COMPLIANCE DETERMINATION**

Were the pollutant load reduction requirements of the permit met? ☐ Yes

🖾 No

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

	TS	S	TN	TF	)
Load Reduction Remaining	14751	lbs/yr	lbs/yr	17.02	lbs/yr
Percent of Required Load Reduction Remaining	100	%	%	100	%

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

#### CERTIFICATION

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

Gregg Schuster

**Responsible Official Name** 

Dr

Signature

Interim Township Manager

Official Title

Date Signed

	ATTACHMENT C – S		ESTO	RATION				
	GENERAL	INFORMATIO	NC					
Permittee Name: Wrightstow	/n Township			Permit No.:	F	PAG13	0043	
BMP Name: Neshaming	/ Creek Stream Restoration	on		Latitude:	4	0°16'3	87.7"N	
Surface Waters: Neshaming	/ Creek			Longitude:	7	'4°59'4	2.1"W	
Municipality: Wrightstow	/n Township			County:	E	Bucks		
Construction of the BMP i	s Complete.	Date Cons	struction	n Completed:				
Photographs, Drawings, a	and O&M Plan are attache	ed*. Inspec	tion/Mo	nitoring Frequ	uency	/:		
Permits or Approvals Obtained	: Waiver 16 Approved 1	1/9/2024 - WL	. WV090	01223-001/E/	4090	1223-0	01	
Party Responsible for Long-Te	rm O&M: 🛛 Permittee	Other:						
Joint BMP? 🗌 Yes 🖾 No	If Yes, attach a list of	other permitte	ees sha	ring credit for	the E	BMP		
	STREAM RES	STORATION	TYPE					
Stream Restoration – Default F	tate: Expe	ert Panel Repo	ort Prote	ocols (Select	all tha	at appl	y):	
Simplified Method (44.88 lb	s/ft/yr)	Protocol 1: Pr	revente	d Sediment				
Mapshed/Model My Waters	hed (115 lbs/ft/yr)	Protocol 2: In	stream	and Riparian	Nutri	ent Pro	ocessing	
		Protocol 3: Fl	oodplai	n Reconnecti	on			
Does the restoration meet all th	e minimum qualifying cor	nditions for str	ream re	storation?	<b>Y</b>	′es	No	
	TSS LOAD REDUC	TION – DEFA	ULT R	ATE				
Total restoration length (center	line of stream) (ft): 450	)						
Restoration length stabilized us	sing hard armoring (if appl	licable) (ft):	0					
Restoration length armored by	"Creditable w/Limits" prac	tices (if applie	cable) (i	ft): 0				
Percent of total restoration leng	th armored by "Creditable	e w/Limits" pra	actices	(%): 33				
Creditable restoration length (fl	): 450							
TSS Credit: Creditable restor	ation length (450 ft) x Def	ault Rate ( <b>44</b>	lbs/ft/yr	) = 20	0,196		lbs/yr T	SS
Permittee Credit for Joint BMPs	s (if applicable): %	or		lbs/yr TSS (	Credit			
POLLU	TANT LOAD REDUCTIO	NS – EXPER		EL PROTOCO	OLS			
Total restoration length (ft):	Flood	plain area cre	ated (if	applicable) (a	ac):			
Protocol 1 Pollutant Load Redu	iction: TSS:	lbs/yr	TN:	lb	s/yr	TP:		lbs/yr
Protocol 2 Pollutant Load Redu	iction: TSS:	lbs/yr	TN:	lb	s/yr	TP:		lbs/yr
Protocol 3 Pollutant Load Redu	iction: TSS:	lbs/yr	TN:	lb	s/yr	TP:		lbs/yr
Permittee Credit for Joint BMPs	s (if applicable): %	or		lbs/yr TSS (	Credit			-

#### \* See Annual MS4 Status Report Instructions (3800-FM-BCW0491) for additional required attachments.

#### NESHAMINY CREEK PRP ADDITIONAL INFORMATION

The approved Pollution Reduction Plan (PRP) for the Neshaminy Creek Watershed in Wrightstown Township proposed 329 LF of stream restoration to achieve the required sediment reduction of 14,751.81 lbs/year. There were several locations identified in the plan for stream restoration. The location selected is along an unnamed tributary to Mill Creek that runs between two farmed areas adjacent to the Anchor Run Farm.

A narrative describing the eligibility criteria, and an aerial photograph was provided to the PADEP in November 2022. (See Attachment I) The Narrative includes photographs of the proposed area for stream restoration and the approved PRP for the Neshaminy Creek Watershed. The PADEP responded that the proposed location looked like a good candidate for a stream restoration project. (See Attachment II) At that point, the design was initiated. It was decided that we would design for 450 LF of stream restoration. A pre-application meeting was held with the PADEP on April 27, 2023 with PADEP MS4 staff present at the meeting. (See Attachment III) There were follow-up emails to provide additional information regarding toe protection and proposed soil lifts to confirm that the project could be fully creditable for MS4 credits. PADEP responded in an email dated May 11, 2023 that the project could be fully creditable. (See Attachment IV)

The application for Waiver 16 from the PADEP was submitted on May 16, 2023. Approval of the Waiver was approved on January 9, 2024. At that time, the project was discussed with the Wrightstown Township Board of Supervisors so that the project could be put out to bid for construction. The Board of Supervisors was concerned about the total cost of the project, and it was requested that a grant application be prepared to fund the project. An application for the Watershed Restoration Protection Program was submitted on May 30, 2024. The grant awards for this program have not been announced.

A copy of the approved permit plans is included in Attachment V.

The proposed stream restoration project consists of 450 LF along the stream channel. Using the simplified method with 44.88 lbs/LF/acre, the proposed sediment reduction is 20,196 lbs/year. The proposed total phosphorus reduction is 30.6 lbs/year using the simplified method with a reduction value of 0.068 lbs/LF/year.

The Operation and Maintenance (O&M) of the Stream Restoration after completion of the project will be the responsibility of Wrightstown Township. The O&M will consist of periodic inspections, maintenance of the vegetation, and addressing any issues found during the inspections. A specific O&M plan will be developed at the completion of the project.

The Township is waiting for the grant awards to be announced. The planned schedule for completion is as follows:

- 1. Project Bid January February 2025
- 2. Contract Award March 2025
- 3. Construction April June 2025

### Attachment I

November 2022 Project Narrative provided to the PADEP



PA DEP Southeast Regional Office
2 East Main Street
Norristown, PA 19401
November 21, 2022
Re: Wrightstown Township Neshaminy Creek Watershed Streambank Restoration Project

Wrightstown Township, Bucks County is requesting DEP provide a preliminary review of the proposed Streambank restoration project. The Township requires confirmation that the intended site is acceptable to DEP for restoration. This project was initially proposed in the Township's Neshaminy Creek PRP prepared on July 24, 2017 and revised on August 31, 2017 & January 14, 2019. The proposed projected is located just off PA state route 232 Second Street Pike (40.2777N, 74.994W).

Per the 'Considerations of Stream Restoration Projects in Pennsylvania for eligibility as an MS4 Best Management Practice' document from PA DEP published on May 11, 2018, acceptable Streambank restoration project sites must have:

- Existing channel or streambank erosion
- Be a 1<sup>st</sup> 3<sup>rd</sup> order stream
- Address at least 100 linear feet of stream channel
- Impervious area upstream of the project must be sufficiently treated to address peak flows
- Must address both sides of the channel on site where a need to do so is evident

The proposed tributary is a first order stream with the Neshaminy Creek watershed. The developed land upstream of the stream has stormwater management facilities and infrastructure which will ensure that any runoff to the stream will not compromise the channel form and function.

The Township is proposing 329 linear feet of streambank restoration along an unnamed tributary to Mill Creek. The Township is planning on using the simplified method of 44.88 lb/ft/year of sediment and therefore this project will claim credits for 14,765 lb/year. The condition of the streambanks in the area of the proposed project is poor. The banks show signs of significant erosion including steep 90-degree sides, exposed roots and trees leaning towards the stream and sediment build up along the edge of the stream.

The proposed area of streambank restoration is in a forested area between 100 - 150 feet wide. Outside of that area are farm fields on both sides of the stream. Therefore, there will be plenty of area to provide the required 30 foot riparian buffer and layback both sides of the stream.

Attached to this memo are the photos of the existing streambank conditions and a copy of the Neshaminy Creek PRP plan. The PRP plan also contains a map of the Township's MS4 system.

Please let me know if you have any questions or if you need any further information.

Mary Stover, P.E.

mstover@cksengineers.com

(215) 340-0600



Photos of Potential Stream Restoration Area Neshaminy Creek Drainage Area Wrightstown Township, Bucks County November 11, 2021



Bridge at Second Street Pike



Photos of Potential Stream Restoration Area Neshaminy Creek Drainage Area Wrightstown Township, Bucks County November 11, 2021



Photos of Potential Stream Restoration Area Neshaminy Creek Drainage Area Wrightstown Township, Bucks County November 11, 2021



## Wrightstown Township PRP for Neshaminy Creek – Siltation, Nutrients, Organic Enrichment / Low D.O.

July 24, 2017 Revised August 31, 2017 Revised January 14, 2019

Prepared for:

Wrightstown Township 2203 Second Street Pike Wrightstown, PA 18940



*Corporate Headquarters* 1456 Ferry Road, Bldg. 500 Doylestown, PA 18901 (215) 345-9400 *Regional Office* 2756 Rimrock Drive Stroudsburg, PA 18360 (570) 629-0300 *Regional Office* 559 Main Street, Suite 230 Bethlehem, PA 18018 (610) 419-9407

#### **TABLE OF CONTENTS**

1
1
2
2
2
3
4
4

APPENDIX I -	MS4 REQUIREMENTS TABLE
APPENDIX II -	PUBLIC NOTIFICATION / PUBLIC COMMENTS
APPENDIX III -	MAPPING
APPENDIX IV -	EXISTING LOAD CALCULATIONS / PARSED LOAD CALCULATIONS / EXISTING BMP LOAD REDUCTIONS
APPENDIX V -	POLLUTANT LOAD REDUCTION CALCULATIONS / POLLUTANT LOAD REDUCTION REFERENCE

M:\MS4s\PRP\PRP Data - Wrightstown\Report - Neshaminy Creek 2019\PRP-Neshaminy Creek Jan 2019.docx

#### **INTRODUCTION**

Permittees with coverage under a Municipal Separate Storm Sewer System (MS4) that discharge to certain impaired waters are required to implement Pollutant Reduction Plans (PRP) as specified in the Pennsylvania Department of Environmental Protection's (PA DEP) MS4 Requirements Table. The applicable section of the Requirements Table is included in Appendix I.

The table requires Wrightstown Township to develop a PRP for the Neshaminy Creek watershed for siltation, nutrients, organic enrichment / low D.O. Overall, a ten percent reduction in the current sediment load is required. A five percent reduction in phosphorus is required to address the nutrients, organic enrichment / low D.O.

A PRP is a planning document prepared by the permittee which guides the selection and implementation of specific BMPs to reduce pollutant loading to surface waters. The objective of a PRP is to improve the condition of surface waters such that the waters eventually attain water quality standards and its designated and existing uses in accordance with 25 Pa. Code Chapter 93. The pollutant reducing BMPs are to be completed within 5 years of DEP's permit approval.

#### PUBLIC PARTICIPATION

The PA DEP requires public participation as part of the development of a PRP. The requirements for the public participation are:

"The permittee shall make a complete copy of the PRP available for public review. The permittee shall publish, in a newspaper of general circulation in the area, a public notice containing a statement describing the plan, where it may be reviewed by the public, and the length of time the permittee will provide for the receipt of comments. The permittee must accept written comments for a minimum of 30 days from the date of public notice. The permittee must accept comments from any interested member of the public at a public meeting or hearing, which may include a regularly scheduled meeting of the governing body of the municipality or municipal authority that is the permittee. The permittee shall consider and make a record of the consideration of each timely comment received from the public during the public comment period concerning the plan, identifying any changes made to the plan in response to the comment. Modified PRPs submitted to DEP must include a copy of the newspaper notice, a copy of all written comments received from the public and a copy of the permittee's record of consideration of all timely comments received in the public comment period."

A complete copy of the PRP was available for public review at the municipal offices. A public notice was published in a local newspaper which included a description of the plan, where it could be reviewed, the 30-day comment period and the municipal meeting at which public comments would be received.

Appendix II contains the public notification, public comments and consideration of the comments. A public notification was completed during the initial preparation of this plan. Due to changes to the plan a public notification was also completed for this plan update.

#### <u>MAPPING</u>

Appendix III contains a plan developed under the MS4 program. The plan provides details concerning stormwater outfalls and watersheds. The watershed boundaries were determined based on topographic mapping, land development plans and field verifications. The plan also shows the proposed location of the BMPs proposed to reduce the pollutant load. A separate plan is included which shows the areas which were parsed and not included in the pollutant load calculations.

#### POLLUTANT OF CONCERN

The PA DEP MS4 Requirements Table specifies the pollutants of concern as siltation, nutrients organic enrichment / low D.O. A ten percent reduction for siltation is required. A five percent reduction of phosphorus is required to address the nutrients organic enrichment / low D.O.

#### DETERMINE EXISTING LOAD

The Stroud Water Research Center – Model My Watershed program was utilized to determine the watershed's land uses and loading rates. This information is compiled in Appendix IV on the Land Use Information and Pollutant Load Calculation table. The land use information is based on the current conditions in the watershed. Where recent land development has changed the land use, as indicated in the Stroud program, differences are noted on the table.

Pollutant load calculations for parsed areas, if present in the watershed, is also included in Appendix IV. Appendix IV also includes, if applicable, pollutant

reduction calculations for existing BMP's which reduce the watershed's existing pollutant load.

The overall calculated pollutant load for the Neshaminy Creek is 147,518.13 lbs/year for sediment. The PRP requires a ten percent reduction in sediment. Therefore, the required sediment reduction is 14,751.81 lbs/year. The overall calculated pollutant load for phosphorus is 340.41 lbs/year. The PRP requires a five percent reduction in phosphorus. Therefore, the required phosphorus reduction is 17.02 lbs/year.

#### **REQUIRED REDUCTION IN POLLUTANT LOADING / BMP SELECTION**

The PRP watershed was evaluated for the potential for sediment removal BMPs. This included retrofits of existing BMPs, such as older basin modifications, and new projects such as stream bank restorations.

When evaluating the potential BMPs the 'National Pollutant Discharge Elimination System (NPDES) Stormwater Discharges from Small Municipal Separate Storm Sewer Systems BMP Effectiveness Values' and the 'Recommendations of the Expert Panel to Define Removal Rates for Urban Stormwater Retrofit Projects' were used to determine the effectiveness of the proposed BMP.

No municipally owned basins or other existing BMP's were identified in the watershed which would be suitable for retrofits. To address the required pollutant load reductions the Township is proposing stream restoration on the Anchor Run Farm as shown on the map in Appendix III. The Anchor Run Farm is owned by the Township and has several thousand feet of stream channel for possible restoration. It should be noted that the Anchor Run Farm streams are located within the same HUC-12 watershed as the Neshaminy Creek.

Based on the National Pollutant Discharge Elimination System (NPDES) Stormwater Discharges from Small Municipal Separate Storm Sewer Systems BMP Effectiveness Values (3800-PM-BCW0100m) approximately 329 feet of stream restoration, at an effectiveness value of 44.88 lbs./ft./yr., will be necessary address the required sediment reduction. This amount of stream restoration would fulfill the phosphorus reduction which at 0.068 lbs./ft./yr. would require 250 feet of stream restoration.

Although additional areas, as shown on the mapping in Appendix III, are available for stream bank restoration the municipality will be implementing the minimum amount to meet the pollutant reduction requirements for the PRP.

#### **FUNDING MECHANISMS**

The municipal's general fund will be used to complete the proposed projects. The municipality will be researching other funding mechanisms, such as grants, to help offset the cost of the projects

#### **OPERATIONS AND MAINTENANCE**

It is anticipated the municipality will be responsible for operation and maintenance of the BMPs. If specific BMPs were identified in this report the operation and maintenance requirements are provided below. Operation and maintenance details for any additional BMPs will be incorporated into an update to this report.

**Stream Restoration** - Restoration areas shall be inspected a minimum of once a year as well as after major storm events. The actual schedule will depend on the type of restoration. When live plantings are involved inspection will be emphasized during plant establishment.

Inspections will document, depending on the type of restoration, the physical stability of the areas and the success of the vegetative establishment. Collection and documentation of physical data, vegetative cover, etc. may utilize stream assessment techniques, photographic stations or other suitable methods. Repairs or modification to the restoration areas will be completed as necessary.

**APPENDIX I** 

MS4 REQUIREMENTS TABLE

MS4 Name	NPDES ID	Individual Permit Required?	Reason	Impaired Downstream Waters or Applicable TMDL Name	Requirement(s)	Other Cause(s) of Impairment
Bucks County						
WARMINSTER TWP	PAG130049	Yes	TMDL Plan	Southampton Creek		Flow Alterations, Other Habitat Alterations, Water/Flow Variability (4c)
				Mill Creek		Other Habitat Alterations, Water/Flow Variability (4c)
				Neshaminy Creek	Appendix B-Pathogens (5), Appendix E-Nutrients, Organic Enrichment/Low D.O. (5)	
				Pennypack Creek	Appendix E-Siltation (5)	Cause Unknown (5)
				Little Neshaminy Creek	Appendix B-Pathogens (5), Appendix C-PCB (5), Appendix E- Nutrients, Organic Enrichment/Low D.O. (5)	Water/Flow Variability (4c)
				Southampton Creek TMDL	TMDL Plan-Nutrients, Organic Enrichment/Low D.O., Siltation (4a)	
				Unnamed Tributaries to Pennypack Creek	Appendix C-Priority Organics (5)	
				Neshaminy Creek TMDL	TMDL Plan-Siltation, Suspended Solids (4a)	
WARRINGTON TWP	PAG130055	Yes	TMDL Plan			
				Mill Creek	Appendix E-Nutrients (5)	
				Little Neshaminy Creek	Appendix B-Pathogens (5), Appendix C-PCB (5), Appendix E- Nutrients, Organic Enrichment/Low D.O. (5)	Water/Flow Variability (4c)
				Neshaminy Creek TMDL	TMDL Plan-Siltation, Suspended Solids (4a)	
				Unnamed Tributaries to Neshaminy Creek		Water/Flow Variability (4c)
				Neshaminy Creek	Appendix B-Pathogens (5), Appendix E-Nutrients, Organic Enrichment/Low D.O. (5)	
				Unnamed Tributaries to Mill Creek		Flow Alterations (4c)
				Warrington Lake	Appendix E-Nutrients (5)	Exotic Species (5)
WARWICK TWP	PAG130074	Yes	TMDL Plan	Little Neshaminy Creek	Appendix B-Pathogens (5), Appendix C-PCB (5), Appendix E- Nutrients, Organic Enrichment/Low D.O. (5)	Water/Flow Variability (4c)
				Unnamed Tributaries to Neshaminy Creek		Water/Flow Variability (4c)
				Neshaminy Creek TMDL	TMDL Plan-Siltation, Suspended Solids (4a)	
				Neshaminy Creek	Appendix B-Pathogens (5), Appendix E-Nutrients, Organic Enrichment/Low D.O. (5)	
WEST ROCKHILL TWP	PAG130046	Yes	SP	Unnamed Tributaries to East Branch Perkiomen Creek	Appendix E-Siltation (5)	Flow Alterations, Water/Flow Variability (4c)
				Tohickon Creek	Appendix E-Nutrients, Siltation (5)	
				Threemile Run	Appendix E-Nutrients (5)	Flow Alterations (4c)
				Lake Nockamixon	Appendix E-Nutrients, Suspended Solids (4a)	
				Delmont Lake		Exotic Species (5)
				Mill Creek	Appendix E-Siltation (5)	Water/Flow Variability (4c)
WRIGHTSTOWN TWP	PAG130043	No		(Neshaminy Creek)	(Appendix E-Siltation (4a), Appendix B-Pathogens (5), (Appendix E-Nutrients, Organic Enrichment/Low D.O. (5)	
				Jericho Creek	Appendix E-Siltation (5)	
				Delaware River		Mercury (5)

APPENDIX II

PUBLIC NOTIFICATION / PUBLIC COMMENTS

#### NOTICE

NOTICE IS HEREBY GIVEN by the Supervisors of Wrightstown Township, Bucks County, Pennsylvania of its intent to receive written public comments, for a period of 30 days from the date of publication of this Notice, on the following:

#### Wrightstown Township PRP for Jericho Creek – Siltation

and

Wrightstown Township PRP for Neshaminy Creek - Siltation, Nutrients, Organic Enrichment/Low D.O.

The Plans describes proposed measures to be taken to address impaired surface waters within the Township.

Written comments will be received at Wrightstown Township, 2203 Second Street Pike, Wrightstown, PA 18940.

NOTICE IS HEREBY ALSO GIVEN by the Township Supervisors that the PRPs will be presented at a public meeting on August 21, 2017 at 7:30 pm at Wrightstown Township, 2203 Second Street Pike, Wrightstown, PA 18940. The Supervisors will receive public verbal or written comments on the proposed Plans at this meeting. The public is invited to attend and comment on the Plans.

The full text of the proposed PRPs may be examined or copies obtained at cost, at Wrightstown Township, 2203 Second Street Pike, Wrightstown, PA 18940, by appointment with the Township Manager, Joseph Pantano, (215) 598-3313. In addition, a copy of the PRPs is posted on the Township website, <u>http://www.wrightstownpa.org/</u>.

Joseph Pantano Township Manager Ad Content Proof

#### NOTICE

NOTICE IS HEREBY GIVEN by the Supervisors of Wrightstown Township, Bucks County, Pennsyl-vania of its intent to receive written public comments, for a period of 30 days from the date of publication of days from the date of publication of this Notice, on the following: Wrightstown Township PRP for

Vrightstown rownship PRP for Jericho Creek – Siltation and Wrightstown Township PRP for Neshaminy Creek – Siltation, Nutrients, Organic

#### Enrichment/Low D.O.

The Plans describes proposed measures to be taken to address impaired surface waters within the Township.

Written comments will be received at Wrightstown Township, 2203 Second Street Pike, Wrightstown, PA 18940 2203

NOTICE IS HEREBY ALSO GIV-EN by the Township Supervisors that the PRPs will be presented at a public meeting on August 21, 2017 at 7:30 pm at Wrightstown Town-ship, 2203 Second Street Pike, Wrightstown, PA 18940. The Super-visors will receive public verbal or written comments on the proposed Plans at this meeting. The public is invited to attend and comment on

Invited to attend and comment on the Plans. The full text of the proposed PRPs may be examined or copies ob-tained at cost, at Wrightstown Town-ship, 2203 Second Street Pike, Wrightstown, PA 18940, by appoint-ment with the Township Manager, Joseph Pantano, (215) 598-3313. In addition, copies of the PRPs are posted on the Township website, http://www.wrightstownpa.org/ Joseph Pantano

Joseph Pantano Township Manager

7144448

1t Jy 24

#### WRIGHTSTOWN TWP 2203 SECOND ST PIKE WRIGHTSTOWN, PA 18940

1-2155983313 0007144448-01

Pat Vigneau being duly affirmed according to law, deposes and says that he/she is the Legal Billing Co-ordinator of the COURIER TIMES INCORPORATED, Publisher of The Bucks County Courier Times, a newspaper of general circulation, published and having its place of business at Levittown, Bucks County, Pa; that said newspaper was established in 1910; that securely attached hereto is a facsimile of the printed notice which is exactly as printed and published in said newspaper on

#### July 24, 2017

and is a true copy thereof; and that this affiant is not interested in said subject matter of advertising; and all of the allegations in this statement as to the time, place and character of publication are true.

LEGAL BILLING CO-ORDINATOR

Affirmed and subscribed to me before me THIS PEAK A.D. Ann Clark, Notary Public

Tullytown Boro, Bucks County My Commission Expires April 30, 2019 MEMBER PENNEYLVANIA ASSOCIATION OF NOTABLES

thm

#### Public Comment Note

No public comments were received by the Municipality concerning the July 24, 2017 Pollution Reduction Plan (PRP).

#### WRIGHTSTOWN TOWNSHIP BOARD OF SUPERVISORS REGULAR MEETING AUGUST 21, 2017

The Wrightstown Township Board of Supervisors met on Monday, August 21, 2017 in the Meeting Room of the Wrightstown Township Municipal Building, 2203 Second Street Pike, Wrightstown, PA. Chair Chester S. Pogonowski called the meeting to order at 7:35 P.M. Present were Vice Chair Jane B. Magne, Treasurer Robert S. Lloyd, Solicitor Scott MacNair, Engineer Mario Canales and Township Manager Joe Pantano.

#### **APPROVAL OF MINUTES:**

On a motion by Vice Chair Magne, seconded by Chair Pogonowski, Board of Supervisors meeting minutes of August 7, 2017 were approved unanimously. Treasurer Lloyd abstained.

#### **APPROVAL OF BILLS:**

On a motion by Vice Chair Magne, seconded by Treasurer Lloyd, the following August 21, 2017 payments were approved unanimously:

General Fund bills	\$89,684.06
Cable Access Fund bill	56.81
JCE Sewer Fund bill	6,444.73
Open Space Bond Fund bill	222.31
Total	\$96,407.91

On a motion by Vice Chair Magne, seconded by Treasurer Lloyd, the following transfers were approved unanimously.

General Fund to Payroll Fund	\$15,000.00
General Fund to Flexible Spending Account	\$443.08

#### **ANNOUNCEMENTS:**

- **A.** There were no announcements.
- **B.** There were no changes to the agenda.

#### **PUBLIC COMMENT:**

There was none.

#### **POLICE REPORT:**

Chief Pasqualini gave the July police report. There were 200 calls for service and 15 traffic citations. Chief Pasqualini introduced Kaitlyn Falcon, recently sworn in as a Newtown Township Police Department officer.

#### SOLICITOR'S REPORT:

**Plan Approval Resolution, The Gatherings.** Some changes still need to be made to the pending resolution and then reviewed by all parties involved. The final resolution will be presented for approval at the August 28 Board of Supervisors work session.

#### **ENGINEER'S REPORT:**

- **A.** The Board accepted the Engineer's report for July.
- **B.** Engineer Canales reviewed the proposed MS4 Pollution Reduction Plan Application for Jericho Creek and Neshaminy Creek. On a motion by Treasurer Lloyd, seconded by Vice Chair Magne, the Board voted unanimously to have Chair Pogonowski sign the application.

#### SUPERVISORS' COMMENTS:

There were none.

#### **DEPARTMENT REPORTS:**

- **A. Code/Zoning Department.** The Board received the July report. There were 28 permits issued, 26 permit inspections (8 failed inspections) and a total of \$5,295.00 in fees collected.
- **B.** Public Works Department. The July report was received by the Board.
- **C. Lingohocken Fire Company Report.** Chair Pogonowski reviewed the July activity report. There were 22 calls for service, 70 man-hours for responses, 77 man-hours for training and 6 man-hours for work details, for a total of 152 man-hours of service to the community.
- D. Central Bucks Rescue Squad. The Board accepted the June reports.
- E. Historical Commission. The Board accepted the meeting minutes of July 6.

#### **MANAGER'S REPORT:**

- A. PennDOT Winter Services Agreement 2017 2018. The Township received the Winter Services Agreement from PennDOT for the 2017-18 winter season. The Agreement would reimburse the Township for some of the costs associated with plowing and salting various PennDOT roads. The total reimbursement for the year would be \$9,452.98. On a motion by Treasurer Lloyd, seconded by Vice Chair Magne, the Board voted unanimously to have Manager Pantano sign the agreement.
- **B.** Salt Shed Update. The wood has been delivered for the salt shed. Manager Pantano and Public Works Foreman Steve Kraiss have been working with the Bucks County Department of Health to get the storage tank moved. Manager Pantano and Building Code Officer Ted Middleman have reviewed the draft structural drawings. Manager Pantano submitted a work change order for a quote for fencing the Public Works area and is waiting for that.
- **C. Granicus.** Manager Pantano reviewed the quotes received for new equipment for webcasting. He asked the Board to approve the purchase of the equipment from Advanced AV in the amount of \$7,190.48. On a motion by Treasurer Lloyd, seconded by Vice Chair Magne, the Board voted unanimously to approve the purchase.

#### **UNFINISHED BUSINESS:**

There was none.

#### **NEW BUSINESS:**

There was none.

#### **PUBLIC COMMENT:**

There was none.

#### **EXECUTIVE SESSION:**

There was an executive session to discuss personnel issues.

#### **ADJOURNMENT:**

There being no further business to go before the Board, on a motion by Treasurer Lloyd, seconded by Vice Chair Magne, the meeting was adjourned at 8:12 P.M.

Respectfully submitted,

Joseph F. Pantano Manager APPENDIX III MAPPING

Q:\Wrightstown TWP\GIS\2016\Drawing Set\Outfall Map\_2016.dwg



# LEGEND





PENNDOT ROADS SUBTOTAL

PENNDOT ROADS SUBTOTAL

# NOTES:

### LEGEND STREAM/WATERCOURSE OPEN CHANNEL/SWALE

STORM MANHOLE STORM PIPE

# TOWNSHIP STREET PAPER STREET PENNDOT ROAD MS4 OUTFALL NUMBER



levision

Description

#### **APPENDIX IV**

## EXISTING LOAD CALCULATIONS / PARSED LOAD CALCULATIONS / EXISTING BMP LOAD REDUCTIONS

#### Wrightstown Township Neshaminy Creek Watershed Land Use from 2011 National Land Cover Database (NLCD 2011) Revised Parsed Neshaminy Creek Watershed as per DEP Meeting on November 7, 2018

Land Use	Area (m²)	Coverage (%)	Area (acres)	% Impervious	Impervious Area (acres)	Pervious Area (acres)
Developed, Open Space	719,563.23	25.54	87.81	19	16.68	71.13
Developed, Low Intensity	204,564.11	7.26	24.96	49	12.23	12.73
Developed, Medium Intensity	62,804.77	2.23	7.66	79	6.05	1.61
Developed, High Intensity	7,177.69	0.25	0.88	100	0.88	0.00
Barren Land (Rock/Sand/Clay)	0	0.00	0.00	0	0.00	0.00
Deciduous Forest	794,031.75	28.18	96.90	0	0.00	96.90
Evergreen Forest	6,280.48	0.22	0.77	0	0.00	0.77
Mixed Forest	28,710.75	1.02	3.50	0	0.00	3.50
Shrub/Scrub	171,367.30	6.08	20.91	0	0.00	20.91
Grassland/Herbaceous	14,355.38	0.51	1.75	0	0.00	1.75
Pasture/Hay	511,410.28	18.15	62.41	0	0.00	62.41
Cultivated Crops	256,602.35	9.11	31.31	0	0.00	31.31
Woody Wetlands	40,374.50	1.43	4.93	0	0.00	4.93
Total	2,817,242.59	100.00	343.80		35.85	307.95
					10%	90%
Loading Rates	TP (lbs/acre/yr)	TSS (lbs/acre/yr)				

Impervious Development	2.28	1839
Pervious Development	0.84	264.96

#### Wrightstown Township - Neshaminy Creek Watershed Parsed Loading

	Nutrients (TP) (lbs/yr)	Sediment (TSS) (Ibs/yr)
Impervious Development	81.73	65,922.95
Pervious Development	258.68	81,595.18
Total	340.41	147,518.13

Pollution Reduction Plan (PRP) required with 10% reduction in sediment loads Pollution Reduction Plan (PRP) required with 5% reduction in nutrient loads 14,751.81 lbs/yr 17.02 lbs/yr



**Neshaminy Creek Watershed**
#### APPENDIX V

#### POLLUTANT LOAD REDUCTION CALCULATIONS / POLLUTANT LOAD REDUCTION REFERENCE

3800-PM-BCW0100m 5/2016 BMP Effectiveness Values



#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS BMP EFFECTIVENESS VALUES

This table of BMP effectiveness values (i.e., pollutant removal efficiencies) is intended for use by MS4s that are developing and implementing Pollutant Reduction Plans and TMDL Plans to comply with NPDES permit requirements. The values used in this table generally consider pollutant reductions from both overland flow and reduced downstream erosion, and are based primarily on average values within the Chesapeake Assessment Scenario Tool (CAST) (www.casttool.org). Design considerations, operation and maintenance, and construction sequences should be as outlined in the Pennsylvania Stormwater BMP Manual, Chesapeake Bay Program guidance, or other technical sources. The Department of Environmental Protection (DEP) will update the information contained in this table as new information becomes available. Interested parties may submit information to DEP for consideration in updating this table to DEP's MS4 resource account, <u>RA-EPPAMS4@pa.gov</u>. Where an MS4 proposes a BMP not identified in this document or in Chesapeake Bay Program expert panel reports, other technical resources may be consulted for BMP effectiveness values. Note – TN = Total Nitrogen and TP = Total Phosphorus.

PMD Nome	BMP Effectiveness Values			BMD Description		
Divip Name	TN	ТР	Sediment	BMP Description		
Wet Ponds and Wetlands	20% 45% 60% Auter impoundment structure that intercepts stormwater runoif then real open water system at a specified flow rate. These structure permanent pool and usually have retention times sufficient to allow se some portion of the intercepted sediments and attached nutrients/too recently, these practices were designed specifically to meet water que water quality objectives. There is little or no vegetation living within the proof are outfalls directed through vegetated areas prior to open water Nitrogen reduction is minimal.					
Dry Detention Basins and Hydrodynamic Structures	TNTPSediment20%45%60%A water impoundment st an open water system permanent pool and us some portion of the int 		10%	Dry Detention Ponds are depressions or basins created by excavation or berm construction that temporarily store runoff and release it slowly via surface flow or groundwater infiltration following storms. Hydrodynamic Structures are devices designed to improve quality of stormwater using features such as swirl concentrators, grit chambers, oil barriers, baffles, micropools, and absorbent pads that are designed to remove sediments, nutrients, metals, organic chemicals, or oil and grease from urban runoff.		
Dry Extended Detention Basins	20%	20%	60%	Dry extended detention (ED) basins are depressions created by excavation or berm construction that temporarily store runoff and release it slowly via surface flow or groundwater infiltration following storms. Dry ED basins are designed to dry out between storm events, in contrast with wet ponds, which contain standing water permanently. As such, they are similar in construction and function to dry detention basins, except that the duration of detention of stormwater is designed to be longer, theoretically improving treatment effectiveness.		

DMD Name	BMP I	Effectivenes	s Values	PMP Decorintion		
BMP Name	TN	ТР	Sediment	BMP Description		
Infiltration Practices w/ Sand, Veg.	85%	85%	95%	A depression to form an infiltration basin where sediment is trapped and water infiltrates the soil. No underdrains are associated with infiltration basins and trenches, because by definition these systems provide complete infiltration. Design specifications require infiltration basins and trenches to be built in good soil, they are not constructed on poor soils, such as C and D soil types. Engineers are required to test the soil before approval to build is issued. To receive credit over the longer term, jurisdictions must conduct yearly inspections to determine if the basin or trench is still infiltrating runoff.		
Filtering Practices	40%	60%	80%	Practices that capture and temporarily store runoff and pass it through a filter bed of either sand or an organic media. There are various sand filter designs, such as above ground, below ground, perimeter, etc. An organic media filter uses another medium besides sand to enhance pollutant removal for many compounds due to the increased cation exchange capacity achieved by increasing the organic matter. These systems require yearly inspection and maintenance to receive pollutant reduction credit.		
Filter Strip Runoff Reduction	20%	54%	56%	Urban filter strips are stable areas with vegetated cover on flat or gently sloping land. Runoff entering the filter strip must be in the form of sheet-flow and must enter at a non-erosive rate for the site-specific soil conditions. A 0.4 design ratio of filter strip length to impervious flow length is recommended for runoff reduction urban filter strips.		
Filter Strip Stormwater Treatment	0%	0%	22%	Urban filter strips are stable areas with vegetated cover on flat or gently sloping land. Runoff entering the filter strip must be in the form of sheet-flow and must enter at a non-erosive rate for the site-specific soil conditions. A 0.2 design ratio of filter strip length to impervious flow length is recommended for stormwater treatment urban filter strips.		
Bioretention – Raingarden (C/D soils w/ underdrain)	25%	45%	55%	An excavated pit backfilled with engineered media, topsoil, mulch, and vegetation. These are planting areas installed in shallow basins in which the storm water runoff is temporarily ponded and then treated by filtering through the bed components, and through biological and biochemical reactions within the soil matrix and around the root zones of the plants. This BMP has an underdrain and is in C or D soil.		
Bioretention / Raingarden (A/B soils w/ underdrain)	70%	75%	80%	An excavated pit backfilled with engineered media, topsoil, mulch, and vegetation. These are planting areas installed in shallow basins in which the storm water runoff is temporarily ponded and then treated by filtering through the bed components, and through biological and biochemical reactions within the soil matrix and around the root zones of the plants. This BMP has an underdrain and is in A or B soil.		

	<b>BMP Effectiveness Values</b>			DND Description
BMP Name	TN	TP	Sediment	BMP Description
Bioretention / Raingarden (A/B soils w/o underdrain)	80%	85%	90%	An excavated pit backfilled with engineered media, topsoil, mulch, and vegetation. These are planting areas installed in shallow basins in which the storm water runoff is temporarily ponded and then treated by filtering through the bed components, and through biological and biochemical reactions within the soil matrix and around the root zones of the plants. This BMP has no underdrain and is in A or B soil.
Vegetated Open Channels (C/D Soils)	10%	10%	50%	Open channels are practices that convey stormwater runoff and provide treatment as the water is conveyed, includes bioswales. Runoff passes through either vegetation in the channel, subsoil matrix, and/or is infiltrated into the underlying soils. This BMP has no underdrain and is in C or D soil.
Vegetated Open Channels (A/B Soils)45%45%70%Open channels are practices that as the water is conveyed, inclu- vegetation in the channel, subst soils. This BMP has no underdrain		Open channels are practices that convey stormwater runoff and provide treatment as the water is conveyed, includes bioswales. Runoff passes through either vegetation in the channel, subsoil matrix, and/or is infiltrated into the underlying soils. This BMP has no underdrain and is in A or B soil.		
Bioswale	70%	75%	80%	With a bioswale, the load is reduced because, unlike other open channel designs, there is now treatment through the soil. A bioswale is designed to function as a bioretention area.
Permeable Pavement w/o Sand or Veg. 10% (C/D Soils w/ underdrain)		20%	55%	Pavement or pavers that reduce runoff volume and treat water quality through both infiltration and filtration mechanisms. Water filters through open voids in the pavement surface to a washed gravel subsurface storage reservoir, where it is then slowly infiltrated into the underlying soils or exits via an underdrain. This BMP has an underdrain, no sand or vegetation and is in C or D soil.
Permeable Pavement w/o Sand or Veg. 45 (A/B Soils w/ underdrain)		50%	70%	Pavement or pavers that reduce runoff volume and treat water quality through both infiltration and filtration mechanisms. Water filters through open voids in the pavement surface to a washed gravel subsurface storage reservoir, where it is then slowly infiltrated into the underlying soils or exits via an underdrain. This BMP has an underdrain, no sand or vegetation and is in A or B soil.
Permeable Pavement w/o Sand or Veg. (A/B Soils w/o underdrain)	75%	80%	85%	Pavement or pavers that reduce runoff volume and treat water quality through both infiltration and filtration mechanisms. Water filters through open voids in the pavement surface to a washed gravel subsurface storage reservoir, where it is then slowly infiltrated into the underlying soils or exits via an underdrain. This BMP has no underdrain, no sand or vegetation and is in A or B soil.
Permeable Pavement w/ Sand or Veg. (A/B Soils w/ underdrain)	50%	50%	70%	Pavement or pavers that reduce runoff volume and treat water quality through both infiltration and filtration mechanisms. Water filters through open voids in the pavement surface to a washed gravel subsurface storage reservoir, where it is then slowly infiltrated into the underlying soils or exits via an underdrain. This BMP has an underdrain, has sand and/or vegetation and is in A or B soil.

#### 3800-PM-BCW0100m 5/2016 BMP Effectiveness Values

	BMP	Effectivenes	ss Values	BMP Description		
BMP Name	TN	TP	Sediment	BMP Description		
Permeable Pavement w/ Sand or Veg. (A/B Soils w/o_underdrain)	80%	80%	85%	Pavement or pavers that reduce runoff volume and treat water quality through both infiltration and filtration mechanisms. Water filters through open voids in the pavement surface to a washed gravel subsurface storage reservoir, where it is then slowly infiltrated into the underlying soils or exits via an underdrain. This BMP has no underdrain, has sand and/or vegetation and is in A or B soil.		
Permeable Pavement w/ Sand or Veg. (C/D Soils w/ underdrain)	20%	20%	55%	Pavement or pavers that reduce runoff volume and treat water quality through both infiltration and filtration mechanisms. Water filters through open voids in the pavement surface to a washed gravel subsurface storage reservoir, where it is then slowly infiltrated into the underlying soils or exits via an underdrain. This BMP has an underdrain, has sand and/or vegetation and is in C or D soil.		
Stream Restoration	0.075 Ibs/ft/yr	0.068 Ibs/ft/yr	44.88 lbs/ft/yr	An annual mass nutrient and sediment reduction credit for qualifying stream restoration practices that prevent channel or bank erosion that otherwise would be delivered downstream from an actively enlarging or incising urban stream. Applies to 0 to 3rd order streams that are not tidally influenced. If one of the protocols is cited and pounds are reported, then the mass reduction is received for the protocol.		
Forest Buffers	25%	50%	50%	An area of trees at least 35 feet wide on one side of a stream, usually accompanied by trees, shrubs and other vegetation that is adjacent to a body of water. The riparian area is managed to maintain the integrity of stream channels and shorelines, to reduce the impacts of upland sources of pollution by trapping, filtering, and converting sediments, nutrients, and other chemicals. (Note – the values represent pollutant load reductions from stormwater draining through buffers).		
Tree Planting	10%	15%	20%	The BMP effectiveness values for tree planting are estimated by DEP. DEP estimates that 100 fully mature trees of mixed species (both deciduous and non-deciduous) provide pollutant load reductions for the equivalent of one acre (i.e., one mature tree = 0.01 acre). The BMP effectiveness values given are based on immature trees (seedlings or saplings); the effectiveness values are expected to increase as the trees mature. To determine the amount of pollutant load reduction that can credited for tree planting efforts: 1) multiply the number of trees planted by 0.01; 2) multiply the acreage determined in step 1 by the pollutant loading rate for the land prior to planting the trees (in Ibs/acre/year); and 3) multiply the result of step 2 by the BMP effectiveness values given.		
Street Sweeping	3%	3%	9%	Street sweeping must be conducted 25 times annually. Only count those streets that have been swept at least 25 times in a year. The acres associated with all streets that have been swept at least 25 times in a year would be eligible for pollutant reductions consistent with the given BMP effectiveness values.		

BMD Nome	BMP	Effectivenes	ss Values	PMD Description
DWP Name	TN	ТР	Sediment	BMP Description
Storm Sewer System Solids Removal	0.0027 for sediment, 0.0111 for organic matter	0.0006 for sediment, 0.0012 for organic matter	1 – TN and TP concentrations	<ul> <li>This BMP (also referred to as "Storm Drain Cleaning") involves the collection or capture and proper disposal of solid material within the storm system to prevent discharge to surface waters. Examples include catch basins, stormwater inlet filter bags, end of pipe or outlet solids removal systems and related practices. Credit is authorized for this BMP only when proper maintenance practices are observed (i.e., inspection and removal of solids as recommended by the system manufacturer or other available guidelines). The entity using this BMP for pollutant removal credits must demonstrate that they have developed and are implementing a standard operating procedure for tracking the material removed from the sewer system. Locating such BMPs should consider the potential for backups onto roadways or other areas that can produce safety hazards.</li> <li>To determine pollutant reductions for this BMP, these steps must be taken:</li> <li>1) Measure the weight of solid/organic material collected (lbs). Sum the total weight of material collected for an annual period. Note – do not include refuse, debris and floatables in the determination of total mass collected.</li> <li>2) Convert the annual wet weight captured into annual dry weight (lbs) by using site-specific measurements (i.e., dry a sample of the wet material to find its weight) or by using default factors of 0.7 (material that is predominantly wet sediment) or 0.2 (material that is predominantly wet organic matter, e.g., leaf litter).</li> <li>3) Multiply the annual dry weight of material collected by default or site-specific pollutant concentration factors. The default concentrations are shown in the BMP Effectiveness Values columns. Alternatively, the material may be sampled (at least annually) to determine site-specific pollutant concentrations.</li> <li>DEP will allow up to 50% of total pollutant reduction requirements to be met through this BMP. The drainage area treated by this BMP may be no greater than 0.5 acre unless it can be demonstrated that t</li></ul>

#### Attachment I

### November 29, 2022 Email from PADEP indicating Project was a Good Candidate for Stream Restoration

#### **Mary Stover**

From:	Mahoney, Elizabeth <emahoney@pa.gov></emahoney@pa.gov>
Sent:	Tuesday, November 29, 2022 4:32 PM
То:	Mary Stover
Cc:	Cindy VanHise; Quinlan, Ian
Subject:	RE: [External] Wrightstown MS4 - Proposed stream restoration project

Hi Mary,

The site looks like a good candidate for a stream restoration project. As you get further along with the design, I would ask that you send us plans that detail the extent of the restoration work and associated plantings proposed so that we can nail down a crediting number. Thank you.

Beth

From: Mary Stover <mstover@cksengineers.com>
Sent: Tuesday, November 22, 2022 12:15 PM
To: Mahoney, Elizabeth <emahoney@pa.gov>
Cc: Cindy VanHise <cvanhise@cksengineers.com>
Subject: [External] Wrightstown MS4 - Proposed stream restoration project

**ATTENTION:** This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the <u>Report Phishing button in Outlook.</u>

Beth,

For Wrightstown Township, Bucks County, the Pollution Reduction Plan proposed 329 LF of stream restoration in the Neshaminy Creek Watershed to address their requirements. Attached is a description and photographs of the area where we are proposing the stream restoration. Prior to preparing the plans for permitting and construction, we are requesting that PADEP review the proposed stream restoration project and confirm that it would be eligible for pollutant reduction credits.

If you have any questions, or need additional information, please let me know.

Mary

#### Mary R. Stover, P.E.



4259 W. Swamp Road Suite 410 Doylestown, PA 18902 www.cksengineers.com

215.340.0600

#### Attachment III

## April 27, 2023 PADEP Pre-Application Meeting Minutes



ARRO Consulting, Inc. Corporate Headquarters 108 West Airport Road Lititz, PA 17543 P: (717) 569-7021

May 2, 2023

Via Email

Project: Wrightstown Stream Restoration Permitting and MS4 Concerns

- Date: Thursday April 27, 2023
- Time: 9:00 am-9:45 am

#### Attendees:

- Paul Suanlarm PADEP
- Randall T. Brown PADEP
- Nikolas Tranchik USACE
- David Caplan USACE
- Joshua Hassler PADEP
- Emily Ashberry PADEP
- Ian Quinlan PADEP
- Mary Stover CKS
- Ed Van Arsdale ARRO
- Michael Bingham ARRO
- Jeb Rosenberger ARRO
- Brad Underkoffler ARRO
- Jasmine Weaver ARRO
- Gavin Freeman ARRO

#### Recorded Minutes:

- Introductions of attendees.
- An overview of the project was given by Jeb Rosenberger.
- Stream bank stabilization was discussed. Any reinforcement below the ordinary high-water mark for a reach of 500' triggers regulation by the USACE. Only 25% of the length is proposed to have toe protection; no other concerns.
- Mary Stover asked for written confirmation that the proposed use of toe protection will not result in loss of MS4 credits. Ian Quinlan will follow-up with his team and send a written confirmation.
- Providing justification for any proposed reinforcement helps with the review process. Photos of existing conditions and detailed narrative.
- A bat species was recently added to the PNDI so it was recommended ARRO rerun the PNDI and submit the updated results.
  - New PNDI was ran and showed no threats. Updated PNDI will be included in submittal set.
- A question was raised about the maximum allowable slope for soil lifts. Ian Quinlan will follow up with his team and send a written confirmation that the soil lifts will not reduce MS4 credits and any specific requirements for the use of soil lifts. ARRO will update the detail to the approved maximum slope.

www.arroconsulting.com

- The removal of existing trees was discussed. Photos of the existing trees and a narrative to justify their removal shall be provided with the submission.
- Jeb asked about any planting requirements/recommendations of species or spacing of plantings. Only recommendation outside of general guidelines was to plant larger, more mature plants to reduce the maintenance required and increase the chance of survival.
- The slope of the stream bank is planned to be 3:1 with the use of live stakes and soil lifts in one highly eroded area. The use of this type of reinforcement is permissible although it was advised the submittal include photo documentation and a narrative description of the current conditions to support the use of soil lifts.
- Willow stakes were recommended for soils lifts. No other guidance was given for planting variety, size or density in the riparian zone.
- A question was raised about the maximum allowable slope for soil lifts. Ian Quinlan will followup with his team and sent a written confirmation. ARRO will update the detail to the approved maximum slope.
- Gavin Freeman asked the question if the required riparian buffer width of 35' could be skewed to the north side of the project area due to topographic constraints on the south side. Mary Stover pointed out the existing tree cover outside the LOD could act as a riparian buffer. Ian Quinlan will follow up with his team and send a written confirmation that the existing trees can be credited as part of the 35 feet of riparian buffer.
- The narrative should include a discussion of the existing trees along the stream channel that are being removed along with photo documentation.
- A discussion of the stream crossing confirmed the use of a bridge and abutment is allowable with wavier 16. It was recommended matting be installed before placement of the bridge to minimize disturbance and aid in clean-up efforts.
- All participants acknowledged the project seems consistent with the wavier 16 criteria.
- The application should include the information from PHMC.
- DEP will send a link to electronically submit the application.
  - Link was sent in the meeting chat.

A follow-up topic of future stream restoration projects was briefly discussed:

- Waiver 16 submission inclusions were clarified and a link was provided for more information.
- General waiver 16 requirements were discussed. No stream channel relocation, unless historic
  aerial photos or other evidence is provided to prove that the stream is being returned to its
  natural location. Armoring structures that are installed within the stream bed are scrutinized
  more but can be acceptable, as long as it does not cross the entire stream (example: J-Hooks
  are typically ok).

#### Attachment IV

## May 11, 2023 Email from PADEP indicating the Proposed Project could be Fully Creditable

#### **Mary Stover**

From:	Quinlan, lan <iquinlan@pa.gov></iquinlan@pa.gov>
Sent:	Friday, May 12, 2023 10:26 AM
То:	Rosenberger, Jeb
Cc:	Mahoney, Elizabeth; Mary Stover; Bingham, Michael
Subject:	RE: [External] ARRO request Wrightstown Stream Project

Hi Jeb,

We have responded to the tasks below in Blue.

- Mary Stover asked for written confirmation that the proposed use of toe protection will not result in loss
  of MS4 credits. Ian Quinlan will follow-up with his team and send a written confirmation. Toe protection
  is allowable as long as it is below normal water level.
- A question was raised about the maximum allowable slope for soil lifts. Ian Quinlan will follow up with his team and send a written confirmation that the soil lifts will not reduce MS4 credits and any specific requirements for the use of soil lifts. ARRO will update the detail to the approved maximum slope. Stream bank ratios should be 1.0 or less.
- Gavin Freeman asked the question if the required riparian buffer width of 35' could be skewed to the
  north side of the project area due to topographic constraints on the south side. Mary Stover pointed out
  the existing tree cover outside the LOD could act as a riparian buffer. Ian Quinlan will follow up with his
  team and send a written confirmation that the existing trees can be credited as part of the 35 feet of
  riparian buffer. Due to the size of the buffer on the north side and still having almost a 20ft buffer for
  most of the project on the south side and backing up to an established forest we can give full credit for
  the buffers.

We do feel that the project as it is designed is a good stream restoration project and should receive full credit. We reserve the right to change this determination upon inspection of the completed project.

Thank you,

**Ian Quinlan** (he/him/his) | Environmental Engineering Specialist Department of Environmental Protection | Southeast Regional Office 2 East Main Street | Norristown, Pa 19401 Phone: 484-250-5726 www.dep.pa.gov

From: Rosenberger, Jeb <jeb.rosenberger@arroconsulting.com>
Sent: Thursday, May 11, 2023 1:28 PM
To: Quinlan, Ian <iquinlan@pa.gov>
Subject: [External] ARRO request

**ATTENTION:** This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the <u>Report Phishing button in Outlook.</u>

#### Hi Ian

Just a reminder, as per the meeting notes, ARRO would like to request written confirmation of the items below:

- Mary Stover asked for written confirmation that the proposed use of toe protection will not result in loss of MS4 credits. Ian Quinlan will follow-up with his team and send a written confirmation.
- A question was raised about the maximum allowable slope for soil lifts. Ian Quinlan will follow up with his team and send a written confirmation that the soil lifts will not reduce MS4 credits and any specific requirements for the use of soil lifts. ARRO will update the detail to the approved maximum slope.
- Gavin Freeman asked the question if the required riparian buffer width of 35' could be skewed to the
  north side of the project area due to topographic constraints on the south side. Mary Stover pointed out
  the existing tree cover outside the LOD could act as a riparian buffer. Ian Quinlan will follow up with his
  team and send a written confirmation that the existing trees can be credited as part of the 35 feet of
  riparian buffer.

Thank you

Jeb Rosenberger	had a grade of the state of the
Engineer II	
ARRO Consulting, Inc.	
108 West Airport Road	
Lititz, PA 17543	
O: 717.205.4574	
Want to join the ARRO team? We're hiring!	
Evision dynamics (algore 1 halons, quantized and a state) to be able to be a state of the label to grant the the label to g	

NOTE: This electronic message may contain PRIVILEGED AND CONFIDENTIAL INFORMATION intended only for the use of the addressee(s) named above. If you are not the intended recipient of this electronic message, or the employee or agent responsible for delivering it to the intended recipient, you have no legal right to read this message and are hereby notified that any dissemination, copying or disclosure of this message is strictly prohibited. If you have received this message in error, please notify the sender immediately via reply electronic message then delete the original message.

#### Attachment V

### **Approved Permit Plans**

## **GENERAL NOTES:**

- 1. EXISTING TOPOGRAPHY AND SITE PLAN INFORMATION SHOWN HEREON IS BASED ON EXISTING SITE PLAN ING AND LIMITED FIELD SURVEYS PERFORMED BY CKS ENGINEERS, INC.
- 2. ELEVATIONS SHOWN THROUGHOUT THESE PLANS ARE BASED ON VERTICAL DATUM NAVD 88 AND
- HORIZONTAL DATUM NAD 83.
- 3. LOCATIONS OF EXISTING PIPING, UTILITIES, AND APPURTENANCES SHOWN THROUGHOUT THESE PLANS WERE OBTAINED FROM EXISTING PLANS AND LIMITED FIELD EXPLORATION. THEY ARE APPROXIMATI CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- 4. VFD = VERIFY FIELD DIMENSIONS.VMD = VERFIY MANUFACTURER'S DIMENSIONS.





CONTACTED XX SERIAL NUMBER XX

THE CONTRACTOR SHALL CONTACT ALL UTILITIES OR PRIVATE CONCERNS IN COMPLIANCE WITH THE REQUIREMENTS OF P.L. 852, No. 287, DECEMBER 10, 1974 AS AMENDED ON APRIL 28, 2018 BY ACT No. 50, 72 HOURS PRIOR TO ANY EXCAVATION BY CALLING 800-242-1776 AND/OR TELEPHONE NUMBERS LISTED BELOW. UTILITIES OR PRIVATE CONCERNS TO BE CONTACTED SHALL INCLUDE, BUT NOT BE LIMITED TO, THE



NOTICE IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXACT LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND FACILITIES AND STRUCTURES BEFORE THE START OF CONSTRUCTION ON THIS PROJECT. THIS NOTICE APPLIES TO INFORMATION SHOWN ON THIS PLAN AND ANY ASSOCIATED PLANS FOR THIS PROJECT INCLUDING PLANS OF SAME PREPARED BY OTHERS, E.G. UTILITY COMPANY PLANS.

COMPANY: EAST COAST PROPANE ADDRESS: 12 BEAVER ST HULMEVILLE, PA 19047 CONTACT: GEORGE LAMB EMAIL: george@eastcoastpropane.com PHONE: 267-560-5488

COMPANY: PECO AN EXELON COMPANY C/O USIC ADDRESS: 450 S HENDERSON ROAD SUITE B KING OF PRUSSIA, PA. 19406 CONTACT: NIKKIA SIMPKINS EMAIL: nikkiasimpkins@usicllc.com PHONE: 484–681–5720

COMPANY: COMCAST ADDRESS: 114 RIDGE RD SELLERSVILLE, PA 18960 CONTACT: JOHN GEOPHART PHONE: 215-285-8762

COMPANY: WRIGHTSTOWN TOWNSHIP ADDRESS: 12203 SECOND STREET PIKE WRIGHTSTOWN, PA. 18940 CONTACT: STEPHEN KRAISS EMAIL: stevek@wrightstownpa.org PHONE: 215-598-3313 EXT. 30 COMPANY: VERIZON BUSINESS FORMERLY MCI ADDRESS: 7000 WESTON PKWY CARY, NC. 27513 CONTACT: VICTOR WOOD EMAIL: victor.s.wood@verizon.com

PHONE: 919-414-2782

# **STREAMBANK RESTORATION PLAN** FOR **ANCHOR RUN BUCKS COUNTY, PENNSYLVANIA**

**FEBRUARY 2023** 

## **PREPARED FOR: WRIGHTSTOWN TOWNSHIP 2203 SECOND STREET PIKE** WRIGHTSTOWN, PENNSYLVANIA, 18940



4259 W. Swamp Road, Suite 410 GINEERS www.cksengineers.com 215.340.0600



LOCATION MAP SCALE: 1" = 2.000'

## DRAWING INDEX

DRAWING TITLE	SHEET NO.
TITLE SHEET	1 OF 11
EXISTING CONDITIONS/DEMOLITION PLAN	2 OF 11
EXISTING STREAM PROFILE	3 OF 11
STREAMBANK RESTORATION PLAN	4 OF 11
EROSION AND SEDIMENT CONTROL PLAN	5 OF 11
LANDSCAPE PLAN	6 OF 11
SEEDING PLAN	7 OF 11
STREAM SECTIONS	8 OF 11
STREAM SECTIONS	9 OF 11
DETAILS	10 OF 11
EROSION AND SEDIMENT CONTROL DETAILS AND NOTES	11 OF 11











		Rev. No.	Date		Descript	ion					
	ARRO CONSULTING COMPANY 4259 W. Swamp, Road	EXISTING STREAM PROFILE									
ON REGISTERED PROFESSIONAL		STREAMBANK RESTORATION PLAN FOR ANCHOR RUN									
MICHAEL J BINGHAM		Wr	rightstown Townshi	ip,	Bucks County,	Pennsylve	ania				
PE084973	Suite 410 Doylestown, PA 18902 www.cksengineers.com 215.340.0600	Date: 2/2023	Scale: AS SHOWN	Drawn By: Checked By:	SAM	Plan No. 10500-62	Sheet No. 3 OF 1	11			





				4+	26.99	
				DRODOSED		
 - FXISTING		 				
GROUND	 	 				
SURFACE	 	 		SURFACE		
 450 440 470	 	 70	 50 40	70 00 10		

GROUND		
 SURFACE		

254																			25
2.54																			2
252																			
250																			
248													DDODOCED						24
210													-PRUPUSED						-'
246					EXISTING							/	GROUND						
244					/ GROUND								SURFACE						24
2++					SURFACE								00111/102						24
242			+	/															
949																			
240																			24
238																			23
236																			
2.34																			<u> </u>
-120	-11	0 -	100 –	- 90	-80 -	70 –	60	-50	-40	30	-20	-10	0	10	20	.30	40	50	60
120		-								20	20	.0	-		20				

·
~~

50									2110.00		
48											· · · · · · · · · · · · · · · · · · ·
+6									DBODOCED		
.4 –							EXISTING				
+2							GROUND				
₀∟							SURFACE		SURFACE		
								7			
_											
4											
2											, ,
	-150 -1	40 -130 -1	120 -110 -	100 -90 -	80 –70	-60 -5	50 -40 -	30 -20 -	10 0	10 20	30 40

							1+56.95										
																UND	
											- EXISTING					FACE	
											GROUND SURFACE						
-	140 —13	50 —1	120 —	110 -10	0 -90	-80	-70	-60	-50	-40	-30	-20	-10	0	10 20	) 30	

										0+	59.40				
248 <sub>[</sub>															
246															
244															
242									- EXISTING						
240								/	GROUND						
270									SURFACE						
230															
236										~-					
234															
232															
<sub>230</sub> l															
	-100	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20 3	30	4

4+	28	.99	
----	----	-----	--

3+63.31

## 3+29.69

## 2+78.47

2+16.33



 248
246
244
 242
 240
 238
 236
 234
 232
230

		Rev. No.	Date		Descript	ion	
				STREAM	SECTION	S	
COM REGISTERED OF	CKS Engineers		STREA	MBANK F	Restoratio For Hor Run	ON PLAN	
	AN ARRO CONSULTING COMPANY 4259 W. Swamp Road	Wi	rightstown Townsh	ip,	Bucks County,	Pennsylv	ania
PE084973	Suite 410 Doylestown, PA 18902	Date:	Scale:	Drawn By:	SAM	Plan No.	Sheet No.
5/12/23	www.cksengineers.com 215.340.0600	2/2023	AS SHOWN	Checked By:		10500–62	5 OF 11



054														5+1	1.02				
254																			
252				 															
250				 															
248																			
210				 EXISTING															
240				SURFACE									SURFACE						
244		-+		 															
242															1				
240																			
238																			
236																			
230																			
234	-150 -	-140 -1.30	-120	 110	-100	-90	-80	-70	-60	-50	-40	30	-20	-10	0 10	2(	ך. ז	in 40	
	100	100	120			20	00	70	00	00	10	50	20			20			
														<b>•</b> • • •					

ASTER-TECHNICAL\ACTIVE PROJECTS\CKS ENGINEERS\WRIGHTSTOWN TOWNSHIP STREAM RESTORATION - 10500-062\CADD\DWGS\10500-62-S01 SWALE IMPROVEMENTS

6+55.30
---------

<del>ء</del> 25

254 🖂												
252												
202					— EXISTING							
250					GROUND							
248					SURFACE							
246												
244							·					
242								*********				
240									>			
238												
236 └└												
-8	0 -7	'0 –	-60 —	50 -4	40 —	30 –	20 –	10 (	ר 1	0 2	20 3	0 4

6+10.44

						/	- PROPOSED						
							GROUND						
		- EXISTING GROUND					SURFACE						
		SURFACE					,						
-	-80 —	70 —	60 -5	50 -4	+0 —	30 –	20 –	10	0	10 2	20 3	30 4	0





	 	248 246 244 242 240 238 236							
25 25 25 24 24 24 24 24 24 24 24 24 24 23 23 23 20	4 2 0 8 6 4 2 0 8 6 4								
	STANWEA,			Rev. No.	Date ST	STREA REAMBANK	Descript M SECTION RESTORATI	<u>ion</u> S ON PLAN	
	REGISTERED PROFESSIONAL MICHAEL J BING ENGINEER PE084973	5/12/23	ENGINEERS AN ARRO CONSULTING COMPANY 4259 W. Swamp Road Suite 410 Doylestown, PA 18902 www.cksengineers.com 215.340.0600	Date: 2/2023	Wrightstown To Scale: AS SHOV	ANC ownship, Drawn By: WN Checked By	FOR RUN Bucks County, SAM	Pennsylv Plan No. 10500—62	<sup>ania</sup> Sheet No. <b>6 OF 11</b>







LE3/LANCASTER-TECHNICAL/ACTIVE PROJECTS/CKS ENGINEERS/WRIGHTSTOWN TOWNSHIP STREAM RESTORATION - 10500-062/CADD/DWGS/10500-62-D01.DWG



	GENERAL STATEMENT OF THE PROJECT	J. GENERAL 1. STOCKPILL	NOTES E HEIGHTS MUS	NOT EXCEED 35	FEET; STOCK	PILE SLOPES	MUST NOT EXC	EED 2:1.
	FEATURES OF THE PROJECT	2. THE OPER SEDIMENT	ATOR/RESPONS	IBLE PERSON (0/I IS PROPERLY AN	RP) ON SITE S	SHALL ASSUR	E THAT THE AP	PROVED EROSION
	1. THE LOCATIONS OF AFFECTED PROPERTY LINES, AND THE OTHER SIGNIFICANT PHYSICAL FEATURES HAVE BEEN SHOWN ON THE ATTACHED PLANS.	3. IMMEDIATE EROSION PRACTICES	LY UPON DISCO AND/OR SEDIME S (BMPS) TO EL	VERING UNFORESE NT POLLUTION, TH IMINATE THE POTE	EN CIRCUMSTA E O/RP SHAL INTIAL FOR AC	ANCES POSINO L IMPLEMENT CELERATED E	G THE POTENTIA APPROPRIATE I ROSION AND/OF	L FOR ACCELERA BEST MANAGEMEN R SEDIMENT POLL
	NOIES FOR SEQUENCE OF CONSTRUCTION  1. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE OF STAGING OF EARTHMOVING ACTIVITIES FACIL STACE SHALL PE CONFLICTED IN CONFLICTIONS WITH CHAPTER 102 PEOPE A SUBSEQUENCE OF STAGING OF EARTHMOVING	4. THE O/RI APPROVEI FOR ALL	SHALL ASSUR BY THE BUCK SOILS AND/OR	E THAT AN EROSIC S COUNTY CONSEF ROCK SPOIL AND	N AND SEDIM RVATION DISTR BORROW AREA	ENT CONTROL ICT AND IS B \S REGARDLES	- PLAN HAS BEI BEING IMPLEMEN SS OF THEIR LO	EN PREPARED AN TED AND MAINTAIN OCATIONS.
	ACTIVITIES. EACH STAGE SHALL BE COMPLETED IN COMPLETANCE WITH CHAPTER TOZ REGULATIONS BEFORE A SUBSEQUENT STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.	5. ALL PUMPED	PING OF SEDIME WATER FILTER B	NT-LADEN WATER AG DISCHARGING (	SHALL BE THE OVER AN UND	ROUGH A SED STURBED ARE	DIMENT CONTROL	BMP SUCH AS
2.	WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE BUCKS COUNTY CONSERVATION DISTRICT.	6. A COPY ( SITE AT A	OF THE APPROV LL TIMES.	ED EROSION AND	SEDIMENT CON	ITROL PLAN M	MUST BE AVAILA	BLE ON THE PRO
3.	THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIALS OR WASTES AT THE SITE.	7. EROSION DISTURBA	AND SEDIMENT NCE BEGINS WIT	BMPS MUST BE CO HIN THE TRIBUTAR	ONSTRUCTED, Y AREAS OF 1	stabilized ai Those BMPS.	ND FUNCTIONAL	BEFORE SITE
4.	BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE OPERATOR MUST ASSURE THAT EACH SPOIL OR BORROW AREA HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE BUCKS COUNTY CONSERVATION DISTRICT, AND WHICH IS	8. AFTER FIN MUST BE IMMEDIATE	IAL SITE STABILI REMOVED. AREA LY.	ZATION HAS BEEN S DISTURBED DUR	ACHIEVED, TE RING THE REMO	MPORARY ER	OSION AND SED BMPS MUST B	IMENT BMP CONT E STABILIZED
5.	BEING IMPLEMENTED AND MAINTAINED ACCORDING TO CHAPTER 102 REGULATIONS. ANTICIPATED START OF CONSTRUCTION - XX.	9. AT LEAST ALL CONT	SEVEN (7) DAY RACTORS INVOL	'S BEFORE STARTIN /ED IN THAT ACTIV	NG ANY EARTH 'ITY, THE LAND	DISTURBANC	E ACTIVITY, THE APPROPRIATE M	O/RP SHALL IN IUNICIPAL OFFICIA
6. E/ 7. T	ACH STEP IN THE CONSTRUCTION SEQUENCE SHALL BE COMPLETED BEFORE INITIATION OF THE NEXT STEP. HE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64. EROSION CONTROL	THE EROS TO A PRE DISTURBA	CION AND SEDIM CONSTRUCTION NCE ACTIVITY, AI	ENT CONTROL PLA MEETING. ALSO, LL CONTRACTORS I	N DESIGNER A AT LEAST THR NVOLVED IN T	AND THE BUC EE (3) DAYS HAT ACTIVITY	KS COUNTY CO BEFORE START SHALL NOTIFY	NSERVATION DISTI ING ANY EARTH THE PENNSYLVAN
RI RI	JLES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL ESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.	10. IMMEDIATE DISTURBE	LY AFTER EARTH	H DISTURBANCE AC	TIVITY CEASES	, THE O/RP PERIODS, MUI	SHALL STABILIZ	E ANY AREAS
8. F T F	AILURE TO CORRECTLY INSTALL SEDIMENT CONTROL FACILITIES OR FAILURE TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE OR FAILURE TO TAKE CORRECTIVE ACTIONS TO IMMEDIATELY RESOLVE FAILURES OF SEDIMENT CONTROL FACILITIES MAY RESULT IN ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE PENNSYLVANIA DEPARTMENT SECONDENTED DEPENDENT OF SECOND SE	RATES. DI YEAR MU	STURBED AREAS	THAT ARE NOT F D IN ACCORDANCE	INISHED GRADI	E AND WHICH RARY VEGETAT	I WILL BE RE-D TIVE STABILIZATIO	DISTURBED WITHIN
l	OF ENVIRONMENTAL PROTECTION AS DEFINED IN SECTION 602 OF THE CLEAN STREAMS LAW OF PENNSYLVANIA. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND JP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.	11. DISTURBE YEAR MUS	D AREAS THAT A	RE AT A FINISHED	GRADE OR V	VHICH WILL N NENT VEGETAT	IOT BE RE-DIST	URBED WITHIN O
CO		12. AN AREA 70% VEGI ACCELERA	SHALL BE CONS TATIVE OR OTHI TED SURFACE E	SIDERED TO HAVE ER PERMANENT NC ROSION AND SUBS	ACHIEVED FIN/ N-VEGETATIVE SURFACE CHAR	AL STABILIZAT COVER WITH RACTERISTICS	ION WHEN IT H. I A DENSITY SU SUFFICIENT TO	AS A MINIMUM U FFICIENT TO RESI RESIST SLIDING /
1. A S	I LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL INVITE LL CONTRACTORS INVOLVED WITH THOSE ACTIVITIES, THE LAND OWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND EDIMENT CONTROL PLAN PREPARER, AND A REPRESENTATIVE OF THE BUCKS COUNTY CONSERVATION DISTRICT TO AN ONSITE RE—CONSTRUCTION MEETING	13. AT STREA	M CROSSINGS, A	A 50-FOOT BUFFE	R SHALL BE I	MAINTAINED. C	ON BUFFERS, CI	_EARINGS, SOD
2. A <sup>-</sup> A( E)	T LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED WITH THOSE CTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1-800-242-1776 FOR THE LOCATION OF THE (ISTING UNDERGROUND UTILITIES.	LOGS, BU REFUELIN 14. UNTIL A S	RNING CLEARED G AND MAINTAIN SITE IS STABILIZ	BRUSH, DISCHARC NG EQUIPMENT SH ED, ALL EROSION	GED RAINWATER HOULD BE AVC	R FROM TREN DIDED WITHIN	ICHES, WELDING BUFFER ZONES	PIPE SECTIONS,
3. T P N	HE CONTRACTOR MUST MAINTAIN A SURPLUS OF FILTER SOCK [TO BE PLACED ON IMPERVIOUS SURFACES], SILT FENCE [TO BE 'LACED ON NON-IMPERVIOUS SURFACES], STRAW BALES & STAKES, ORANGE CONSTRUCTION SAFETY FENCING, AND R-3 & AASHTO IO. 57 STONE [ROCK FILTER OUTLET] AT THE STABILIZED ROCK CONSTRUCTION ENTRANCE / STAGING AREA / EQUIPMENT IFANING AREA	MAINTENA AND ON REPAIR, F IMMEDIATE	NGE MUST INCLU A WEEKLY BASIS REPLACEMENT, R LY. IF EROSION	DUE INSPECTIONS ALL PREVENTATIN E-GRADING, RE-S AND SEDIMENT CO OF THOSE INSTAN	UF ALL EROSI /E AND REMEL EEDING, RE-M DNTROL BMPS	UN CONTROL DIAL MAINTENA ULCHING AND FAIL TO PER REQUIRED	BMPS AFTER E ANCE WORK, IN( REONETTING M RFORM AS EXPE	ACH RUNOFF EVE CLUDING CLEANOU IUST BE PERFORM CTED, REPLACEME
4. AL	L EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE MUST BE OMPLETED BEFORE THE FOLLOWING STAGE IS INITIATED.	15. SEDIMENT STFFP SI	REMOVED FROM	1 BMPS SHALL BE	DISPOSED OF R DRAINAGE S	ON-SITE IN	LANDSCAPED A	AREAS OUTSIDE O ABILIZED OR PIAC
5.    [	NSTALL THE STABILIZED ROCK CONSTRUCTION ENTRANCE / STAGING AREA / EQUIPMENT CLEANING AREA AS PER THE PLAN DETAILS. DESIGNATE THE AFOREMENTIONED AREA AS SUCH WITH SIGNAGE. REPAIR AND PATCH ALL DISTURBED IMPERVIOUS AREAS MMEDIATELY. SEED AND STABILIZE ALL DISTURBED ALL NON-IMPERVIOUS AREAS IMMEDIATELY TO ACHIEVE A 70% UNIFORM MECTATIVE COVER	SOIL STO 16. ALL BUILI WITH DEP AND (OR	CKPILES AND ST DING MATERIAL A 'S SOLID WASTE	ABILIZED. ND WASTES MUST REGULATIONS (25	BE REMOVED PA CODE 26	FROM THE S	SITE AND RECYC 271.1 ET SEQ	LED IN ACCORDA
6.	INSTALL ALL FILTER SOCK AND/OR SILT FENCE AS PER THE PLOT PLAN. ALL IMPERVIOUS SURFACES IMPACTED BY THE PROJECT SHALL MAINTAIN FILTER SOCK ON THE DOWN-SLOPE SIDE THE LIMIT OF DISTURBANCE. ALL NON-IMPERVIOUS SURFACES IMPACTED BY THE PROJECT SHALL MAINTAIN SILT FENCE ON THE DOWN-SLOPE SIDE THE LIMIT OF DISTURBANCE. REPAIR AND PATCH ALL DISTURBED IMPERVIOUS AREAS IMMEDIATELY. SEED AND STABILIZE ALL DISTURBED ALL NON-IMPERVIOUS AREAS IMMEDIATELY TO ACHIEVE A 70% UNIFORM VEGETATIVE COVER. WHERE GRADING OPERATIONS REQUIRE, PORTIONS OF SILT SOCK SHALL BE TEMPORARILY REMOVED TO ALLOW FOR GRADING OPERATIONS. DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED AND SILT SOCK DESTURED AS PER THE PLOT PLAN. ANY TEMPORARILY PENDORED SILT SOCK MUST BE DEDIATED.	K. SOILS /		STREAM / G		ED, DUMPED,	OR DISCHARGE	D AT THE SITE.
7.	WORKDAY. PRIOR TO THE START OF EACH WORKDAY, THE CONTRACTOR MUST REVIEW THE PREVIOUS DAY(S) ACTIVITIES TO ENSURE THAT ALL	SOILS THE USDA-S	CS (UNITED STA	TES DEPARTMENT		ure – Unite	D STATES SOIL	
8.	AREAS REMAIN STABILIZED. IF THE CONTRACTOR ENCOUNTERS AN AREA THAT IS NOT STABILIZED, THE CONTRACTOR IS PROHIBITED FROM STARTING ADDITIONAL WORK UNTIL "THAT" AREA HAS BEEN RE-STABILIZED. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST REMAIN IN PLACE UNTIL THE BUCKS COUNTY CONSERVATION DISTRICT CONFIRMS THEY CAN BE REMOVED.	THE PROJEC • Bo • PeC • RIC	T SITE SOILS A: - BOWMANSVII - PENN CHAN - REAVILLE CI	S FOLLOWS: LE-KNAUERS SILT NERY SILT LOAM, HANNERY SILT LOA	LOAMS 8 TO 15 PER M, 8 TO 15 F	CENT SLOPES	S PES	DEFINES
		RECEIVING S	<u>(REAM</u> VANIA DEPARTI	IENT OF ENVIRON	IENTAL PROTE	CTION (PADE	P) ONLINE EMA	P
TE	MPORARY CONTROL MEASURES	DEFINES THE     RECEIV     DESIGN	ING STREAM - IATED USE: WAI	RECEIVING STREAD MILL CREEK RM WATER FISHES	M AS FOLLOW	5:		
1.	COMPOST FILTER SOCK	<u>GEOLOGY</u> THE SINKHOLE MINUTE OLIAE	S AND KARST RE	LATED FEATURES O	F BUCKS COUN	ITY, PENNSYLV	'ANIA: LAMBERTV	ILLE 7.5
	b. COMPOST FILTER SOCK TO MEET APPLICATION REQUIREMENTS.	OF ENVIRONM 90–01, DEFIN • (JTrb)	ENTAL RESOURCE ES THE PROJECT BRUNSWICK FO	S, BUREAU OF TOP SITE GEOLOGY AS	OGRAPHIC AND FOLLOWS:	GEOLOGIC SUF	RVEY, OPEN REP	ORT
PE	RMANENT CONTROL MEASURES	、_ʻ	ENGINEERING CHA WILSHUSEN (1982 REDDISH-BROWN	RACTERISTICS OF T ) DEFINE THE BRUN SHALE, MUDSTONE,	HE ROCKS OF ISWICK FORMAT AND SILTSTON	PENNSYLVANIA ION AS TYPICA E, WITH BEDS	ALLY CONSISTING	AND J.P. OF AND
1.	PERMANENT GRASS OR LEGUME COVER a. ALL DISTURBED AREAS, THAT ARE NOT TO BE PAVED OR STONED, SHALL BE COVERED WITH GRASS OR A LEGUME IN OPPER TO MINIMIZE EPOSION THE CRASS OR LEGUME SHALL AS NEARLY AS POSSIBLE MATCH THE CROUND COVER		BROWN SHALE. N SOME PLACES W ALTERED TO A H DEVELOPED, THIN	EAR ITS BASE, THE TH DARK-GRAY AR ARD, DARK-COLORE , AND FLAGGY.	GILLITE. NEAR D D HORNFELS. E	H, RED ARGILI DIABASE INTRU BEDDING IS MO	LITE INTERBEDDEL SIVES, IT HAS BE DERATELY WELL	EEN
М	THAT EXISTED PRIOR TO CONSTRUCTION. SEED SHALL BE SELECTED BY THE OWNER OR THE OWNER'S REPRESENTATIVE.	APPLICATION	SPECIES	APPLICATION BATE (CONTENT		% PURE	FERTILIZER	SEEDING
M	ALL AREAS EXPOSED SHALL RECEIVE A LAYER OF COIR MULCH.	TEMPORARY	ANNUAL RYE	48 LBS./AC	2000 LBS/A	C 98%	5-5-5* @ 1000 LBS/AC	NOT AFTER OCT. 15
				46 %		98%	SEE	BETWEEN JUNF 1
a.	COR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.		ORCHARD GRASS				NOTE 1	AND OCT 15
a. b.	COR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION. IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.	PERMANENT	ORCHARD GRASS REDTOP KENTUCKY BLUFGRASS	18 %	+ 1013	98% 98%		1 1
a. b. c.	<ul> <li>CORE MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> </ul>	+ AGRICULTURA	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES	18 % 18 % TONE * COM	IMERCIAL GRAI	98% 98% DE FERTILIZEF	3	
а. b. c. ST	CORE MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION. IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER © 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS. COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1. CORR MULCH NOTES	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: D-20 ANALYSIS -0 UREA FORM	18 % 18 % TONE * CON S FOLLOWS COMMERCIAL FERT FERTILIZER @ 24.	IMERCIAL GRAI	98% 98% DE FERTILIZEF LBS./AC ANI		<u> </u> ]
a b c <b>S</b> 1. 2.	<ul> <li>COIR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER © 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> </ul> <b>TABILIZATION NOTES</b> STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER. UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0-	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: 0-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS./A	IMERCIAL GRAI	98% 98% DE FERTILIZEF LBS./AC ANI ER @ 286-2	D 242LBS./AC OR	<u> </u> ]
c t 3 1. 2.	<ul> <li>COR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>TABILIZATION NOTES STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER. UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED APEAS CUIT	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER @ 24: SULFUR COATED SULFUR COATED TAINED USING PAG (1991, 1992).	IMERCIAL GRAI	98% 98% DE FERTILIZEF LBS./AC ANI ER @ 286-2 DN NO. 408	D 242LBS./AC OR AND THE PENN	
د ۲ ۲. ۲.	<ul> <li>COIR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>TABILIZATION NOTES STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER. UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACCILERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFICED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE AND WHICH WILL BE REDISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS.</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: 0-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE.	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED SULFUR COATED ER © 295 LBS./A MIAINED USING PAE (1991, 1992). ILL BE MULCHED W	MERCIAL GRAN ILIZER © 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION WITH HAY OR	98% 98% DE FERTILIZER LBS./AC ANI EER @ 286-2 DN NO. 408 STRAW. SEE I	D 242LBS./AC OR AND THE PENN MULCH NOTES,	
a. b. c. ST 1. 2.	<ul> <li>COIR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ARCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li><b>ABILIZATION NOTES</b></li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED MITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED AREAS, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS. AND STOCKPILES MUST BF</li> </ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: 0-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE.	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED FER © 295 LBS.// MININED USING PAL (1991, 1992). ILL BE MULCHED W SEEDINC	ILIZER @ 678 2 LBS./AC OR UREA FERTILIZ COT PUBLICATION WITH HAY OR COT SCH	98% 98% DE FERTILIZER LBS./AC ANI ER @ 286-2 DN NO. 408 STRAW. SEE I IEDUL	AND THE PENN MULCH NOTES,	
<b>S</b> 1. 2. 3.	<ul> <li>a. COIR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>b. IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER © 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>c. COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>TABILIZATION NOTES</li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> </ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ FATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE.	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS.//A STAINED USING PAD (1991, 1992). ALL BE MULCHED W SEEDING MAINTENANCE	MERCIAL GRAN ILIZER @ 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION WITH HAY OR COT SCH	98% 98% DE FERTILIZEF LBS./AC AND FER @ 286-2 ON NO. 408 STRAW. SEE I	242LBS./AC OR AND THE PENN MULCH NOTES,	
a. b. c. ST 1. 2. 3. 4. 5.	<ul> <li>COIR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER © 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li><b>ABILIZATION NOTES</b></li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATE DEROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMPLIEMENT FRANCES SHALL PROPERLY IMPLIEMENT TRAPS, MAIL BE STABILIZED IMACCORDANCE SHALL PROPERLY IMPLIEMENT SEEDING</li> </ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RE b. MAINTE	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE.	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS.// MAINTENANCE DATE STREAM RESTOR MAINTENANCE SHALL BE SSARY EVERY QU	MERCIAL GRAI MERCIAL GRAI ILIZER © 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION MITH HAY OR <b>PLAN</b> ATION PERFORMED JARTER TO EN	98% 98% DE FERTILIZEF LBS./AC ANI ER @ 286-2 DN NO. 408 STRAW. SEE I IEDUL	THE OWNER'S ER FUNCTIONAL	EXPENSE.
( 1. 2. 3. 4. 5.	<ul> <li>COUR MULCH SHALL BE APPLIED TO SELDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT ERCSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>TABILIZATION NOTES</li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY. THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE ETHER AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMPLEMENT, OPERATE, AND MAINTAIN ALL THE BEST MANAGEMENT PRACTICES. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTIVE AND SEDIMENT TRAPS. AND REACHTING, MUST BE PERFORMED IMMEDIATELY.</li> </ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10–2: 38–0 32–0 1–0– 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RI b. MAINTE c. ANY S INSP PER d. VEHICL	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE AC D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND N DWN TOWNSHIP EQUIRED MAINTE NANCE IS NECI FRUCTURE THAT ECTED FOR EX YEAR OR IMME ES SHALL NOT	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED TER © 295 LBS.//A TAINED USING PAL (1991, 1992). ILL BE MULCHED W SEEDINC AINTENANCE STREAM RESTOR. NANCE SHALL BE ESSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS / DIATELY FOLLOWIN BE PARKED OR	MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION WITH HAY OR <b>PLAN</b> ATION PERFORMED JARTER TO EN O RECEIVE AN AND CLOGGING ND CL	98% 98% DE FERTILIZEF LBS./AC AND ER @ 286-2 ON NO. 408 STRAW. SEE I IEDUL BY AND AT NSURE PROP D/OR TRAP 3. INSPECTIO M CREATING HE STREAMB	THE OWNER'S ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE	EXPENSE. ITY OF THE STF EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKEI
a b c ST 1. 2. 3. 4. 5.	<ul> <li>COIR MULCH SHALL BE APPLIED TO SECURE SECURE AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER © 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li><b>TABILIZATION NOTES</b></li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFICA TORS. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMPLEMENT, OPERATE, AND AND SEDIMENTATION CONTRACTOR SHALL PROPERLY INFLAMENT, OF AVER. AND MISTORIA MARGEMENT PRACTICES. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAR, REPLACEMENT, REGARDING, RESEDING, REMELDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAR, REPLACEMENT, REGARDING, RESEDING, REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAR, REPLACEMEN</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RI b. MAINTE c. ANY S' INSP PER d. VEHICL COM e. SEDIME BE S	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND N COUNTOWNSHIP EQUIRED MAINTE NANCE IS NECT FRUCTURE THAT ECTED FOR EX YEAR OR IMME ES SHALL NOT PACTION BY MC INT REMOVED FO TABILIZED AND	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS./A TAINED USING PAE (1991, 1992). LL BE MULCHED N SEEDING MANCE SHALL BE ESSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS A DIATELY FOLLOWIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI REVEGETATED IM	MERCIAL GRAI MERCIAL GRAI ILIZER © 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION WITH HAY OR <b>PLAN</b> ATION PERFORMED JARTER TO EN D RECEIVE AN AND CLOGGING NG ANY STOR DRIVEN ON T BLE. HALL BE DISF MEDIATELY.	98% 98% 98% DE FERTILIZEF LBS./AC ANI ER @ 286-2 ON NO. 408 STRAW. SEE I IEDUL BY AND AT SURE PROP D/OR TRAP G. INSPECTIO M CREATING HE STREAMBI POSED OF PF	THE OWNER'S ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND	EXPENSE. LITY OF THE STF EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKEI ANY AREAS THA
a b c <b>ST</b> 1. 2. 3. 4. 5.	<ul> <li>COURT MULCH SHALL BE APPLIED TO SECURE AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT BLOWING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LES/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li><b>ABILIZATION NOTES</b></li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY. THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. JURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPRARY SEEDING SPECIFICIONS. DISTURBED AREAS, WHICH ARE ETHER AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE STRE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMPLEMENTE, AND MAINTAIN ALL THE BEST MANARGEMENT PRACTICES. MAINTEINANCE SHALL PROVENTY AND SEDIMENTATION CONTROL AFTER EACH RUNOFF EVENT AND ON A VERKLY BASIS. ALL PREVENTION AND SEDIMENTATION CANTER ARCRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMPLEMENTS.</li> <li>MAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, AND SEDIMENTATION CONTROL AFTER EACH RUNOFF EVENT AND ON A VERKLY BASIS</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2: 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RI b. MAINTE c. ANY S INSPE f. CARE SECTION e. SEDIME BE S f. CARE SECTION	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND N DED AREAS SHA H ABOVE. TION TOWNSHIP EQUIRED MAINTE NANCE IS NECI FRUCTURE THAT ECTED FOR EX: YEAR OR IMME ES SHALL NOT PACTION BY MC INT REMOVED F STABILIZED AND SHALL BE TAKE DURAGE INFILTR T THE STREAM	18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED FER © 295 LBS.// MAINTED USING PAL TAINED USING PAL (1991, 1992). ALL BE MULCHED W SEEDING SEEDING AND FOLLOWIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI NANCE SHALL BE SSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS / DIATELY FOLLOWIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI REVEGETATED IM N TO PREVENT C ATION. AND FLOODPLAIN	MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION WITH HAY OR <b>B SCH</b> <b>PLAN</b> ATION C PERFORMED UARTER TO EN O RECEIVE AN AND CLOGGING ND CL	98% 98% 98% DE FERTILIZEF LBS./AC AND ER @ 286-2 DN NO. 408 STRAW. SEE I IEDUL BY AND AT SURE PROP D/OR TRAP 3. INSPECTIO M CREATING HE STREAMBI POSED OF PF F IN SITU SC DFF EVENTS	THE OWNER'S ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND OILS TO PROMO AND MAKE SUF	EXPENSE. ITY OF THE STR EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKEI ANY AREAS THA DTE HEALTHY VE RE THE STREAM
a b c <b>SI</b> 1. 2. 3. 4. 5. 6. 7.	<ul> <li>DUR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT ELOWING AWAY. ANCHOR WITH WODD CELLULOSE FIBER Ø 750 LES/ACRE. OTHER MEANS OF MULCHING ANY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 311.</li> <li><b>ABILIZATION NOTES</b></li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO MHICH WILL BE REDISTORS ON DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATORS. JUSTURED AREAS, WHICH ARE ENTRE AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVENSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMPLEMENT, OPERATE, AND MAINTAIN ALL THE BEST MANAGEMENT PRACTICES. MAINTENANCE SHALL INCLUDING CLEAN OUT, REPARTE, REPLACEMENT, RECORDAN AND SUBURTATION CONTROL ATRENDED FRACTIONS. MULCHING CLEAN OUT, REPARTE, BASA CHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY MIDLEMENT, OPERATE, ACHIEVED THAND, AND SUBSURFACE COVER WITH</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2: 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RE b. MAINTE c. ANY S INSPEC BE S f. CARE S ENCL G. INSPEC WATE h. ALSO	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE A: D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND N OWN TOWNSHIP COURED MAINTE NANCE IS NECH IRUCTURE THAT ECTED FOR EX: YEAR OR IMME ES SHALL NOT PACTION BY MC INT REMOVED F STABILIZED AND SHALL BE TAKE DURAGE INFILTR T THE STREAM CR LEVELS WITH NSPECT FOR D	18 % 18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS./A MAINTENANCE STREAM RESTOR NANCE SHALL BE ESSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS / DIATELY FOLLOWIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI REVEGETATED IM N TO PREVENT C ATION. AND FLOODPLAIN IN 72 HOURS. AMAGE TO EROSIC	MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ C DOT PUBLICATION WITH HAY OR <b>B SCH</b> <b>PLAN</b> ATION PLAN ATION PLAN ATION PERFORMED JARTER TO EN O RECEIVE AN AND CLOGGING ND CLOGGING ND CLOGGING ND CLOGGING DRIVEN ON T BLE. HALL BE DISF MEDIATELY. OMPACTION O I AFTER RUNG ON CONTROL	98% 98% 98% DE FERTILIZEF LBS./AC AND FER © 286-2 ON NO. 408 STRAW. SEE I IEDUL BY AND AT SURE PROP D/OR TRAP 3. INSPECTIO M CREATING HE STREAMBI POSED OF PF F IN SITU SC OFF EVENTS MEASURES, S	THE OWNER'S ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND OILS TO PROMO AND MAKE SUP	EXPENSE. LITY OF THE STF EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKEI ANY AREAS THA DTE HEALTHY VE RE THE STREAM ER CONTAMINATIO
3. 4. 5. 6. 7. M	<ul> <li>DOIR MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>IT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANCHORED TO PREVENT ELONING AWAY. ANCHOR WITH WOOD CELLULOSE FIBER @ 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>TABILIZATION NOTES</li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY. THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED ERORSION. DURING NON-CERMINATING PERIODS, MULCH MUST BE APPLIED AT ACTIVITY. THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED ERORSION. DURING NON-CERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RESTRUE AND AT FINISHED GRADE OF WILL AT THE RESTRUE AND STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION, THE CONTROL AFTER ACH RUNDING EVENT AND ON A VERY TRANSCEMENT PRACTICES. MUST BE STABILIZED IMALGOBER TRAPS. AND STOCKPILES MUST BE STABILIZATION. THE CONTROL AFTER ACH RUNDING EVENT AND CONSE OF ALL EROSION AND SEDIMENTATION CONTROL AFTER ACH RUNDING FY EVENT AND ON A VERY TRANSCEMENT PRACTICES. MUNITEMANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL AFTER ACH RUNDING EVENT AND O</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10-2 38-0 32-0 1-0- 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RI b. MAINTE c. ANY S INSP PER d. VEHICL COM e. SEDIME BE S f. CARE S ENCO g. INSPEC WATH h. ALSO STAE i. UPKEEF SYST 1) F	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE AS D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ FATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND M DUN TOWNSHIP EQUIRED MAINTE NANCE IS NECH RUCTURE THAT ECTED FOR EX YEAR OR IMME ES SHALL NOT PACTION BY MC SHALL BE TAKE DURAGE INFILTR T THE STREAM CONT REMOVED F STABILIZED AND SHALL BE TAKE DURAGE INFILTR T THE STREAM CONT FOR D SHALL BE TAKE DURAGE INFILTR T THE STREAM CONT FOR D SHALL BE TAKE DURAGE INFILTR T THE STREAM CONT FOR D SHALL DETRIC ER LEVELS WITH NSPECT FOR D SHALL DETRIC EN ALL DETRIC EN ALL DETRIC EN ALL DETRIC	18 % 18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS./A TAINED USING PAL (1991, 1992). LL BE MULCHED N SEEDING MULCHED N SEEDING MULCHED N STREAM RESTOR NANCE SHALL BE ESSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS A DIATELY FOLLOWIN BE PARKED OR WER IF APPLICAE REVEGETATED IM N TO PREVENT C AND FLOODPLAIN IN 72 HOURS. AMAGE TO EROSIG N INCLUDING MO TUS SHALL BE RE D PESTICIDES SHA	MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ C DOT PUBLICATION WITH HAY OR <b>PLAN</b> ATION C PERFORMED JARTER TO EN D RECEIVE AN AND CLOGGING NG ANY STOR DRIVEN ON T BLE. HALL BE DISF MEDIATELY. OMPACTION O I AFTER RUNG ON CONTROL WING AND/OR MOVED FROM LI NOT BE U	98% 98% 98% DE FERTILIZER LBS./AC ANI ER @ 286-2 DN NO. 408 STRAW. SEE I IEDUL BY AND AT SURE PROP D/OR TRAP 3. INSPECTIO M CREATING HE STREAMB POSED OF PF F IN SITU SC DFF EVENTS MEASURES, SC TRIMMING SC I THE BASIN. USED IN MAIL	THE OWNER'S ER FUNCTIONAL Development MULCH NOTES, <b>E</b> <b>THE OWNER'S</b> ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND OILS TO PROMO AND MAKE SUI SIGNS OF WATE SHALL BE PERF	EXPENSE. ITY OF THE STR EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKER ANY AREAS THAT DTE HEALTHY VE RE THE STREAM ER CONTAMINATION FORMED AS NECH VEGETATION.
<b>S</b> 1. 2. 3. 4. 5. 6. 7. <b>M</b> 1.	<ul> <li>CUEN MULCH SHALL BE APPLIED TO SEEDING AREAS TO HELP ESTABLISH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>D. IT SHALL BE APPLIED AT A RATE OF APPROVIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ARCHER TO PREVENT BLOWING MAY: MICHOR WITH WOOD CELLULOSE FIBER © 750 LESCACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>C. COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>TABILIZATION NOTES</li> <li>STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVIT, THE CONTRACTOR SHALL STABLIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFICATORS. DISTURBED AREAS WHICH ARE INTER A TARKING CAND WILL NOT BE REDISTURBED AREAS MICH ANY BE STABILIZE IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE INTER AT FINISHED GRADE OR WILL NOT BE REDISTURBED AREAS WHICH ANY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE THER AT FINISHED GRADE OR WILL NOT BE REDISTURBED AREAS WHICH ANY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE THER AT FINISHED GRADE OR WILL NOT BE REDISTURBED AREAS WHICH ANY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE THER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED INMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTIL THE STE HAS ACHIEVED FINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY MILL MOST BE PERFORMED IMMEDIATELY.</li> <li>AN AREA SHALL B</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10–2 38–0 32–0 1–0– 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RE b. MAINTE c. ANY S' INSP PER d. VEHICL COM e. SEDIME BE S f. CARE S F. CARE STATE i. UPKEEF i. UPKEEF SYST 1) F 2) A 3) A	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE AD D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND N DED AREAS SHA H ABOVE. TION TOWNSHIP COURED MAINTE NANCE IS NECH FRUCTURE THAT ECTED FOR EX YEAR OR IMME ES SHALL NOT PACTION BY MC INT REMOVED F STABILIZED AND SHALL BE TAKE DURAGE INFILTR THE STREAM IR LEVELS WITH NSPECT FOR D SHALL BE TAKE DURAGE INFILTR THE STREAM IR LEVELS WITH NSPECT FOR D SHALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D SHALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D SHALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D SHALL BE TAKE DURAGE INFILTR IN LEVELS WITH NSPECT FOR D SHALL BE TAKE	18 % 18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS.//A MAINTED USING PAL (1991, 1992). ILL BE MULCHED W SEEDING MANCE SHALL BE STREAM RESTOR. MANCE SHALL BE SSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS / DIATELY FOLLOWIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI REVEGETATED IM N TO PREVENT C AND FLOODPLAIN IN TO PREVENT C AND FLOODPLAIN AND FLOODPLAIN AND FLOODPLAIN AND FLOODPLAIN AND FLOODPLAIN AND FLOODPLAIN	MERCIAL GRAM MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ NOT PUBLICATION WITH HAY OR <b>B SCH</b> <b>PLAN</b> ATION E PERFORMED JARTER TO EN ATION E PERFORMED JARTER TO EN AND CLOGGING NG ANY STOR DRIVEN ON T BLE. HALL BE DISF MEDIATELY. OMPACTION O I AFTER RUNG ON CONTROL WING AND/OR EMOVED FROM LL NOT BE L INSPECTED E INSPECTED E	98% 98% 98% DE FERTILIZEF LBS./AC ANI ER @ 286-2 DN NO. 408 STRAW. SEE I IEDUL BY AND AT ISURE PROP D/OR TRAP S. INSPECTIO M CREATING HE STREAMB POSED OF PF F IN SITU SC DFF EVENTS MEASURES, SEE IN MAIN VERY YEAR EVERY YEAR	THE OWNER'S AND THE PENN MULCH NOTES, <b>E</b> THE OWNER'S ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND OILS TO PROMO AND MAKE SUF SIGNS OF WATE SHALL BE PERF VTAINING THE V FOR ANY EROS FIR UNIVERTY COMP	EXPENSE. ITY OF THE STR EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKEN ANY AREAS THAT DTE HEALTHY VE RE THE STREAM ER CONTAMINATIC FORMED AS NECH /EGETATION. SION. GROWTH OF EX (95) DEPOSIT
<ol> <li>1</li> <li>3</li> <li>4</li> <li>5</li> <li>6.</li> <li>7.</li> <li>1.</li> <li>2.</li> </ol>	<ul> <li>c). COUR MULCH SHALL BE APPLED TO SEEDING AREAS TO HELP ESTABLEH A PERMANENT GRASS COVER AND TO PREVENT EROSION.</li> <li>b). IT SHALL BE APPLED AT A RATE OF APPROXIMATELY 3 TONS PER ACRE. COIR MULCH SHALL BE ANORED TO RREVENT BLOWING AWY, ANOLONG WITH WOOD CELLULOSE FIBER Ø 750 LBS/ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTICT STANDARDS.</li> <li>c). COR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1.</li> <li>STABILIZATION NOTES</li> <li>sTOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY. THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GREMINATING PERIOS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH HEMORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE ETHER AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH HEMORARY SEEDING SPECIFICATIONS.</li> <li>DIVERSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MULCH MUST BE APPLIED AT TATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UINTL THE SITE HAS ACHIEVED TINAL STABILIZATION, THE CONTRACTOR SHALL PROPERLY MMELBMENT, OPERATE, AND MAINTAIN ALL THE BEST MANAGEMENT PRACTICES. MAINTENANCE SHALL MANO OR A WEEKLY BASS, ALL PREVENTIVE AND REMALLATION CONTROL ATER EACH RUNOFF SENT AND ON A WEEKLY MAN MAINTENNEL COVER OR OTHER PRACTICES. MAINTENNACE OWER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RE</li></ul>	<ul> <li>PERMANENT</li> <li>+ AGRICULTURA</li> <li>1. FERTILIZ 10-2: 38-0 32-0 1-0-</li> <li>2. SPECIFIC STATE A</li> <li>3. ALL SEE SECTION</li> <li>L. OPERA</li> <li>1. WRIGHTST a. ALL RI b. MAINTE c. ANY S INSP PER</li> <li>d. VEHICL COM</li> <li>e. SEDIME BE S</li> <li>f. CARE S</li> <li>f. CARE S</li> <li>ENCO</li> <li>g. INSPECIES</li> <li>g. I</li></ul>	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE AS D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. TION AND M DWN TOWNSHIP GUIRED MAINTE NANCE IS NECH FRUCTURE THAT ECTED FOR EX YEAR OR IMME ES SHALL NOT PACTION BY MC INT REMOVED F STABILIZED AND SHALL BE TAKE DURAGE INFILTR THE STREAM CR LEVELS WITH NSPECT FOR D HUITY. OF VEGETATED SPECIES. EGETATIVE COV REESTABLISHEI PECTION CHECK ENTIME COV	18 % 18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS.//A MAINTED USING PAD (1991, 1992). ALL BE MULCHED W SEEDING ALL BE MULCHED W SEEDING ALL BE MULCHED W STREAM RESTOR. MANCE SHALL BE STREAM RESTOR. MANCE SHALL BE SSARY EVERY QU IS EXPECTED TO CESSIVE DEBRIS / DIATELY FOLLOWIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI REVEGETATED IM N TO PREVENT C ATION. AND FLOODPLAIN IIN 72 HOURS. AMAGE TO EROSIO N INCLUDING MO TUS SHALL BE RE AREAS SHALL BE AREAS SHALL BE AREAS SHALL BE AREAS SHALL BE AREAS SHALL BE AREAS SHALL BE	MERCIAL GRAM MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ C DOT PUBLICATION WITH HAY OR <b>B SCH</b> <b>PLAN</b> ATION PERFORMED JARTER TO EN ORECEIVE AN ATION CLOGGING MAD CLOGGING MAD CLOGGING I AFTER RUNG ON CONTROL WING AND/OR MOVED FROM LI NOT BE L INSPECTED E INSPECTED E INSPECTED E NTAINED AT A COVER HAS B NCLUDED IN	98% 98% 98% DE FERTILIZEF LBS./AC AND FER © 286-2 ON NO. 408 STRAW. SEE I IEDUL BY AND AT SURE PROP D/OR TRAP 3. INSPECTIO M CREATING HE STREAMBI POSED OF PF F IN SITU SC OFF EVENTS MEASURES, S THE BASIN. SED IN MAIN EVERY YEAR A MINIMUM O EEN REDUCE THE MAINTEN	THE OWNER'S AND THE PENN MULCH NOTES, ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND OILS TO PROMO AND MAKE SUI SIGNS OF WATE SHALL BE PERF NTAINING THE V FOR ANY EROS FIR UNWANTED OF NINETY-FIVE D BY TEN (10) IANCE AND SHA	EXPENSE. LITY OF THE STR EDIMENT SHALL CONDUCTED AT I ONE (1) INCH SHALL BE TAKEN ANY AREAS THAT OTE HEALTHY VEN RE THE STREAM ER CONTAMINATIO FORMED AS NECE VEGETATION. SION. GROWTH OF EX (95) PERCENT. ) PERCENT. ALL BE COMPLET
	<ul> <li>COUR MUCH SHALL BE APPLIED TO SELDING REASE TO HELP ESTABLEM A PERMANENT GRASS COVER NUCH SHALL BE APPLIED AT A PART OF APPROXIMATELY 3 TONS PER ACRE. COR MULCH SHALL BE ANCHORD TO PREVENT BLOWING AWAY, ANCHOR WITH WOOD CELLULOSE FIBER Φ 750 LBS,ACRE. OTHER MEANS OF MULCHING MAY BE USED IN CONFORMANCE WITH COUNTY CONSERVATION DISTRICT STANDARDS.</li> <li>COIR MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES GREATER THAN 3:1. STABILIZATION NOTES I. STOCKPLE HEIGHTS MUST NOT EXCEED 35'. STOCKPLE SLOPES MUST BE 2:1 OR FLATTER.</li> <li>UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR AT ANY STAGE OR PHASE OF AN ACTIVITY, THE CONTRACTOR SHALL STABILIZE IMMEDIATELY THE DISTURBED AREAS TO PROTECT FROM ACCELERATED EROSION. DURIN NON-CERMINATION PERIODS, MULCH MUST BE APPLIED AT THE SPECIFICATIONS. DISTURBED AREAS WHICH ARE ETHER AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ON USE YAR MAY BE STABILIZE IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE ETHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ON USE YAR MUST BE STABILIZED IN ACCORDANCE WITH SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE ETHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ON USE YAR MUST BE STABILIZED IN ACCORDANCE WITH FEMORARY SEEDING SPECIFICATIONS.</li> <li>DURESSION CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MUCH MUST BE APPLIED AT TRAFS OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTL THE SITE MAS ACHIVED FINAL STREILIZATION FILM THRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.</li> <li>HAY OR STRAW MUCH MUST BE APPLIED AT RATES OF AT LEAST 3.0 TONS PER ACRE.</li> <li>UNTL THE SITE MAS ACHIVED FINAL STREILIZATION MORT MORE SHALL MICTURENT, DEEMING, RESEEDING, REMULCHING, AND RENETTING MUST BE STABILIZE WITH FORMALL STREED AREAS INTO SEMENTATION CONTROL SHALL TRAFS.</li> <li>MAREA SHALL BE CONSIDERED TO HAVE ACHIVED FINAL</li></ul>	PERMANENT + AGRICULTURA 1. FERTILIZ 10–2 38–0 32–0 1–0– 2. SPECIFIC STATE A 3. ALL SEE SECTION L. OPERA 1. WRIGHTST a. ALL RI b. MAINTE c. ANY S' INSP PER d. VEHICL COM e. SEDIME BE S f. CARE S f. UPKEEF SYST 1) F 2) A 3) A 4) V j. AN INS ONC 2. ADDITIONA a. REGUL	ORCHARD GRASS REDTOP KENTUCKY BLUEGRASS L-GRADE LIMES ER SHALL BE AN D-20 ANALYSIS -0 UREA FORM -0 TO 38-0-0 0 IBDU FERTILIZ ATION ITEMS OF GRONOMY GUIDE DED AREAS SHA H ABOVE. CONTOWNSHIP GUIDED AREAS SHA H ABOVE. CONTOWNSHIP COURCE IS NECT FUCTURE THAT ECTED FOR EX YEAR OR IMME ES SHALL NOT PACTION BY MC INT REMOVED F STABILIZED AND SHALL BE TAKE DURAGE INFILTR THE STREAM IR LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IR LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH SPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN SPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH NSPECT FOR D HALL BE TAKE DURAGE INFILTR THE STREAM IN LEVELS WITH STREAM IN LEVELS WITH STREAM I	18 % 18 % 18 % TONE * COM S FOLLOWS COMMERCIAL FERT FERTILIZER © 24: SULFUR COATED ER © 295 LBS./A MAINTED USING PAL (1991, 1992). ILL BE MULCHED W SEEDING MAINTENANCE STREAM RESTORA CANNON RESTORA STREAM RESTORA CANNON FLOODENIN BE PARKED OR WER IF APPLICAE ROM THE SITE SI REVEGETATED IM N TO PREVENT C AND FLOODENIN N TO PREVENT C AND FLOODENIN OF THE STREAM S SHALL BE MAIN OF THE STREAM	MERCIAL GRAM MERCIAL GRAM MERCIAL GRAM ILIZER © 678 2 LBS./AC OR UREA FERTILIZ C DOT PUBLICATION WITH HAY OR <b>B SCH</b> <b>PLAN</b> ATION C PERFORMED JARTER TO ED D RECEIVE AN ATION C PERFORMED JARTER RUNC ON CONTROL WING AND/OR EMOVED FROM LL NOT BE L INSPECTED E INSPECTED E NTAINED AT A COVER HAS B NCLUDED IN SHALL OCCU	98% 98% 98% DE FERTILIZEF LBS./AC ANI ER @ 286-2 DN NO. 408 STRAW. SEE I IEDUL BY AND AT NSURE PROP D/OR TRAP S. INSPECTIO M CREATING HE STREAMB POSED OF PF F IN SITU SC DFF EVENTS MEASURES, S THE BASIN. JSED IN MAIN EVERY YEAR A MINIMUM O EEN REDUCE THE MAINTEN R TO ASSUR	THE OWNER'S AND THE PENN MULCH NOTES, <b>E</b> THE OWNER'S ER FUNCTIONAL DEBRIS AND S NS SHALL BE GREATER THAN ED AND CARE ROPERLY, AND OILS TO PROMO AND MAKE SUF SIGNS OF WATE SHALL BE PERF NTAINING THE V FOR ANY EROS FIR UNWANTED OF NINETY-FIVE D BY TEN (10 IANCE AND SHA E PROPER IMP ERSON WINCT	EXPENSE. ITY OF THE STR EDIMENT SHALL CONDUCTED AT II ONE (1) INCH SHALL BE TAKEN ANY AREAS THAT DTE HEALTHY VEO RE THE STREAM ER CONTAMINATIO FORMED AS NECE (95) PERCENT. OPERCENT. QUE COMPLET LEMENTATION OF MAY INCLUSE

TED UTION. IED

JECT

ROLS

FIED ONE

NIFORM ND

ED IN

**ICE** SEQ.)

BE THOROUGHLY MINIMUM FOUR (4) TIMERS OF WATER. TO AVOID EXCESSIVE WERE DISTURBED SHALL GETATION GROWTH AND TO RETURNS TO AVERAGE N/SPILLS, AND SLOPE ESSARY TO SUSTAIN THE

OTIC AND/OR INVASIVE VEGETATION SHALL BE TED AT A MINIMUM OF

BMP'S. OPERATION AND HE LANDOWNER OR THE



NOTES: 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/ STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON

BLANKET TYPE, TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

## EMBANKMENT PROTECTION



\* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

#### NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

## ROCK CONSTRUCTION ENTRANCE

NO SCALE





NOTES:

ONWEA

A professional A

MICHAEL J BINGHAM

ENGINEER

PE084973

1 Children

5/12/23



ELEVATION VIEW

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD		
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN		
GRAB TENSILE	ASTM D-4632	205 LB		
PUNCTURE	ASTM D-4833	110 LB		
MULLEN BURST	ASTM D-3786	350 PSI		
UV RESISTANCE	ASTM D-4355	70%		
AOS % RETAINED	ASTM D-4751	80 SIEVE		
	•	•		

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

PUMPED WATER FILTER BAG DETAIL

PUMPED WATER FILTER BAGS SHALL BE SURROUNDED BY A RING OF COMPOST FILTER SOCK.



NOTES: 1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2.

3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8

4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN

6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE

7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK DETAIL

NO SCALE

Description

Pennsylvania

10500-62 11 OF 1

sheet No.

EROSION AND SEDIMENT CONTROL DETAILS AND NOTES

STREAMBANK RESTORATION PLAN

FOR

ANCHOR RUN

Drawn By

Checked Bv

Bucks County,

SAM

\_\_\_

5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO

FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT (FIGURE 4.1). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL

NOT EXCEED THAT SHOWN ON FIGURE 4.2. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.

MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

ev No

2/2023

Wrightstown Township,

AS SHOWN

IN ARRO CONSULTING COMPAN

oylestown, PA 18902

4259 W. Swamp Rod

www.cksengineers.cor

15.340.0600

Suite 410